



WINTER BREAK ASSIGNMENT
SESSION (2024-25)
SUBJECT – ACCOUNTANCY (055)
CLASS- XI

General Instructions:

1. The assignment includes all topics covered from April – December.
2. The date of submission of this assignment is 07 January 2025
3. The assignment is to be attempted in classwork registers.
4. The assignment is prepared on the pattern of Annual Examination 2025.
5. Neatness & timely submission of assignments carries extra marks.

1	Choose the correct answer from the following. Seema Furniture House returned tables and chairs worth ₹ 1,10,000 to Mahesh Furniture Mart. Where would you record this transaction? a) Journal proper b) Return Inward book c) Return outward book d) Cash Book	1
2	Double Entry means: a) Entry for the two aspects of books b) Entry at two dates c) Entry in two aspects of transaction d) All of the above	1
3	The liability arising from the purchase of goods on credit is called a) Creditors b) Accounts Receivable c) Loan d) Payable expenses	1
4	If the capital of a business is Rs 5,00,000 and outside liabilities are Rs 2,00,000. Calculate the total assets of the business a) Rs 7,00,000 b) Rs 3,00,000 c) Rs 9,00,000 d) None of these	1
5	Distinction between an expenditure whose benefit will be for a long period and whose benefit for a short period of say up to one year, is made under which of	1

	<p>the following.</p> <p>a) Accounting Entity b) Going concern Entity c) Money Measuring Entity d) Accounting Period</p>	
6	<p>The following balances appear in the books of Ram & CO Cash – ₹20,000; Machinery – ₹50,000; stock – ₹1,00,000; Debtors – ₹40,000 and creditors– ₹30,000 The value of capital will be</p> <p>a) ₹2,10,000 b) ₹1,80,000 c) ₹1,00,000 d) ₹1,60,000</p>	1
7	<p>Income Tax paid by a sole trader is reflected in his financial statements:</p> <p>a) On the debit side of the Trading a/c b) On the debit side of Profit and Loss a/c c) As an asset in the Balance Sheet d) As way of deduction from Capital in the Balance sheet.</p>	1
8	<p>The Manager is entitled to a commission of 5% on profit after charging such commission. The profit before charging such commission is ₹ 10500. Hence the Manager's commission will be _____</p>	1
9	<p>Choose the correct chronological order of ascertainment of the following profits from the profit and loss account:</p> <p>a) Operating Profit, Net Profit, Gross Profit b) Operating Profit, Gross Profit, Net Profit c) Gross Profit, Operating Profit, Net Profit d) Gross Profit, Net Profit, Operating Profit</p>	1
10	<p>If Closing Stock appears in the Trial Balance then it will be appearing in:</p> <p>a) Trading a/c b) Balance Sheet c) Profit and Loss a/c d) Trading a/c and Balance Sheet.</p>	1
11	<p>If the Rent of One month is still to be paid the adjustment entry will be:</p> <p>a) Debit outstanding rent a/c and Credit Rent a/c b) Debit Profit & Loss a/c and Credit rent a/c c) Debit Rent a/c and Credit Profit & Loss a/c d) Debit Rent a/c and Credit Outstanding rent a/c.</p>	1

12	Which of the following errors is revealed by the Trial Balance: a) Wrong amount entered into the book of Original entry b) Wrong amount posted in the ledger account c) Complete omission of an entry from the books of original entry d) When accounting principle is violated while recording a transaction in the booksof Account.	1
13	Out of the following Assets which one is not an Intangible Assets: a) Patents b) Investment c) Goodwill d) Trademark	1
14	Amount received from sale of goods is: a) Revenue receipts b) Capitalize receipts c) a and b both d) None of these	1
15	Credit balance of bank account in cash book shows : a) Overdraft b) Cash deposited in our bank c) Cash withdrawn from bank d) None of these	1
16	“When a person brings in some money as capital into his business, in accounting records,it is treated as liability of the business to the owner.” The concept relate to the..... a) Objectivity b) Money measurement c) Business entity d) Duel aspect	1
17	“Valuation of stock to be made either at its book value or its market value whichever is less” It is stated by which accounting concept? a) Cost b) Money measurement c) Objectivity d) Prudence	1
18	Goods purchased from Raghav for ₹ 4,500 but goods recorded as ₹ 5,400 in the PurchasesBook. The type of error related to: a) Error of Omission b) Error of Commission c) Error of Partial Omission d) Error of Principle	1

19	<p>X Ltd of Bilaspur, an owner of a shopping mall received rent on 1st April, 2020 from 20 tenants @ ₹ 15,000 per month for 18 months for the year ended 31st March, 2021. As per the revenue recognition concept of accounting, Rent an income to be realised by ₹</p> <p>_____.</p> <p>a) 1,80,000 b) 2,70,000 c) 36,00,000 d) 54,00,000</p>	1																																	
20	<p>The accounting concept which suggested that each transaction should be recorded in the books of account by supporting vouchers of transactions.</p> <p>a) Objectivity b) Dual aspect c) Materiality d) Consistency</p>	1																																	
21	<p>Enter the following transactions in a Cash Book with Cash and Bank Columns :-</p> <table border="1"> <thead> <tr> <th>2012</th> <th></th> <th>`</th> </tr> </thead> <tbody> <tr> <td data-bbox="277 936 407 1014">Mar 1</td> <td data-bbox="407 936 1214 1014">Commenced business with ` 1,00,000 of which ` 20,000 were borrowed from Mr RAtan</td> <td data-bbox="1214 936 1356 1014"></td> </tr> <tr> <td data-bbox="277 1014 407 1056">2</td> <td data-bbox="407 1014 1214 1056">Opened current account with Pubjab National Bank</td> <td data-bbox="1214 1014 1356 1056">75,000</td> </tr> <tr> <td data-bbox="277 1056 407 1098">4</td> <td data-bbox="407 1056 1214 1098">Bought goods by cheque</td> <td data-bbox="1214 1056 1356 1098">60,000</td> </tr> <tr> <td data-bbox="277 1098 407 1167">5</td> <td data-bbox="407 1098 1214 1167">Purchased a typewriter for ` 4,000 and spent ` 1000 on its repairs</td> <td data-bbox="1214 1098 1356 1167"></td> </tr> <tr> <td data-bbox="277 1167 407 1209">12</td> <td data-bbox="407 1167 1214 1209">Sold goods for ` 25,000 and Cheque ` 15,000</td> <td data-bbox="1214 1167 1356 1209"></td> </tr> <tr> <td data-bbox="277 1209 407 1251">15</td> <td data-bbox="407 1209 1214 1251">Purchased goods from Ram Singh on Credit</td> <td data-bbox="1214 1209 1356 1251">25,000</td> </tr> <tr> <td data-bbox="277 1251 407 1293">18</td> <td data-bbox="407 1251 1214 1293">Settled Ram Singh's Account by cheque</td> <td data-bbox="1214 1251 1356 1293">24,750</td> </tr> <tr> <td data-bbox="277 1293 407 1335">20</td> <td data-bbox="407 1293 1214 1335">Sent a cheque in payment of the fees of Proprietor's son</td> <td data-bbox="1214 1293 1356 1335">500</td> </tr> <tr> <td data-bbox="277 1335 407 1377">25</td> <td data-bbox="407 1335 1214 1377">Cash sales, received a cheque</td> <td data-bbox="1214 1335 1356 1377">4,000</td> </tr> <tr> <td data-bbox="277 1377 407 1434">31</td> <td data-bbox="407 1377 1214 1434">Repaid the loan taken from Mr Ratan including interest @ 18% p.a.</td> <td data-bbox="1214 1377 1356 1434"></td> </tr> </tbody> </table>	2012		`	Mar 1	Commenced business with ` 1,00,000 of which ` 20,000 were borrowed from Mr RAtan		2	Opened current account with Pubjab National Bank	75,000	4	Bought goods by cheque	60,000	5	Purchased a typewriter for ` 4,000 and spent ` 1000 on its repairs		12	Sold goods for ` 25,000 and Cheque ` 15,000		15	Purchased goods from Ram Singh on Credit	25,000	18	Settled Ram Singh's Account by cheque	24,750	20	Sent a cheque in payment of the fees of Proprietor's son	500	25	Cash sales, received a cheque	4,000	31	Repaid the loan taken from Mr Ratan including interest @ 18% p.a.		8
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23	<p>A trial Balance showed excess credit, which were placed in a suspense account. Later on the following errors were located. Pass rectifying entries.</p> <ol style="list-style-type: none"> 1. ` 825, the total of purchase return book has been posted to the debit of sales return account. 2. Goods purchased from Suresh ` 1,800 recorded in Sales Book as ` 180. 3. An item of `328 written off as a bad debt from Ajay Sharma has not been debited to Bad Debts Account. 4. Goods purchased from X `3,500 and from Y `4,000, but were recorded in the purchase book as X `4,000 and Y `3,500. 	8																																	

	<p>5. Goods returned to Ramesh for `2,600 was correctly recorded in the return outward book but was wrongly posted to his account as `260.</p> <p>6. A sum of `2,210 stolen by an ex-employee stand debited to Suspense A/c.</p> <p>7. A sum of `500 written off as depreciation on Machinery, were not posted to Machinery account.</p>																																	
24	<p>Pass Journal Entries in the books of Shri Zahid of Rajasthan assuming CGST@9% andSGST @9% for the following transactions:</p> <p>(a) Purchased goods for ₹3,00,000from Jitender of Gujrat.</p> <p>(b) Sold goods costing ₹80,000 to Mr. Babudin of Rajasthan at a profit of 25% on costless trade discount 10%.</p> <p>(c) Paid for advertisement ₹50,000.</p> <p>(d) Proprietor withdrew for personal use ₹10,000.</p> <p>(e) Paid rent ₹50,000.</p>	5																																
26	<p>Following transactions were recorded in the books of Sh Darshan Kumar :-</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">2012</td> <td></td> </tr> <tr> <td style="text-align: center;">Mar 1</td> <td>Sold to Chandra Light House :-</td> </tr> <tr> <td></td> <td>50 Tube lights @ ` 60 each Less : 20%</td> </tr> <tr> <td></td> <td>20 Heaters @ ` 120 each Less : 25%</td> </tr> <tr> <td style="text-align: center;">5</td> <td>Purchased from Charat Ram Electric Co :-</td> </tr> <tr> <td></td> <td>25 Table Fans @ ` 800 each</td> </tr> <tr> <td></td> <td>20 Ceiling Fans @ ` 800 each</td> </tr> <tr> <td style="text-align: center;">10</td> <td>Chaudhry & Sons purchased from us :-</td> </tr> <tr> <td></td> <td>80 Dozen Bulbs @ ` 90 per Dozen</td> </tr> <tr> <td style="text-align: center;">12</td> <td>Purchased from Ram Lal & Sons one Typewriter for ` 6,000 on credit, for office use.</td> </tr> <tr> <td style="text-align: center;">16</td> <td>Sri Ram & Sons sold to us :-</td> </tr> <tr> <td></td> <td>10 Electric Irons @ ` 180 each less : 10%</td> </tr> <tr> <td style="text-align: center;">20</td> <td>Chandra Light House returned :-</td> </tr> <tr> <td></td> <td>5 Tube lights sold on March 1</td> </tr> <tr> <td style="text-align: center;">22</td> <td>Sold goods to Jai Bhagwan & Co. for cash ` 10,000</td> </tr> <tr> <td style="text-align: center;">25</td> <td>Returned to Sri Ram & Sons 2 Electric Irons purchased on March 16.</td> </tr> </table> <p style="text-align: center;">You are required to prepare (i) Purchase Book; (ii) Sales Return Book.</p>	2012		Mar 1	Sold to Chandra Light House :-		50 Tube lights @ ` 60 each Less : 20%		20 Heaters @ ` 120 each Less : 25%	5	Purchased from Charat Ram Electric Co :-		25 Table Fans @ ` 800 each		20 Ceiling Fans @ ` 800 each	10	Chaudhry & Sons purchased from us :-		80 Dozen Bulbs @ ` 90 per Dozen	12	Purchased from Ram Lal & Sons one Typewriter for ` 6,000 on credit, for office use.	16	Sri Ram & Sons sold to us :-		10 Electric Irons @ ` 180 each less : 10%	20	Chandra Light House returned :-		5 Tube lights sold on March 1	22	Sold goods to Jai Bhagwan & Co. for cash ` 10,000	25	Returned to Sri Ram & Sons 2 Electric Irons purchased on March 16.	4
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28	<p>On 30th June 1994 Pass Book showed a balance of `5,200. Prepare Bank Reconciliation Statement from the following particulars :-</p> <ol style="list-style-type: none"> 1. Out of total cheques amounting to `16,000 deposited, cheques amounting to `9,000 were credited in June 1994, Cheques amounting to ` 3,000 were credited in July 1994, and the rest have not been collected so far. 2. Out of total cheques amounting to `45,000 drawn, cheques amounting to `7,500 were presented in June 1994, Cheques amounting to `18,000 were presented in July 1994, and the rest have not been presented so far. 3. Amount wrongly credited by bank `3,400. 4. Payment side of the Cash Book has been undercast by `200. 	8																																

	<p>5. Cheques recorded in the Cash Book in June 1994 but sent to bank in July 1994 `2,500.</p> <p>6. A cheque of `20,000 deposited in the bank has been dishonoured but no intimation was received till June 1994</p>																																																																																	
29	<p>A firm purchased on 1st April, 2009 a second-hand Machinery for `36,000 and spent `4,000 on its installation. On 1st Oct. in the same year another Machinery costing `20,000 was purchased. On 1st Oct., 2011, the Machinery bought on 1st April, 2009 was sold off for `12,000 and on the same date a fresh Machine was purchased for `64,000. Depreciation is provided annually on 31st March, @ 10% p.a. on the Written Down Value Method. Show the Machine A/c from 1st April, 2009 to 31st March, 2012.</p>	12																																																																																
30	<p>Prepare a trading and profit & loss account of M/s Green Club Ltd for the year from the following figures taken from his trial balance:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 35%;">Debit Balances</th> <th style="width: 10%; text-align: center;">`</th> <th style="width: 35%;">Credit Balance</th> <th style="width: 20%; text-align: center;">`</th> </tr> </thead> <tbody> <tr> <td>Opening Stock</td> <td style="text-align: right;">1,25,000</td> <td>Sales</td> <td style="text-align: right;">2,50,000</td> </tr> <tr> <td>Purchases</td> <td style="text-align: right;">35,000</td> <td>Purchase Return</td> <td style="text-align: right;">6,000</td> </tr> <tr> <td>Return inward</td> <td style="text-align: right;">25,000</td> <td>Creditors</td> <td style="text-align: right;">55,000</td> </tr> <tr> <td>Postage and telegram</td> <td style="text-align: right;">600</td> <td>Capital</td> <td style="text-align: right;">50,000</td> </tr> <tr> <td>Salary</td> <td style="text-align: right;">12,300</td> <td>Discount received</td> <td style="text-align: right;">1,000</td> </tr> <tr> <td>Wages</td> <td style="text-align: right;">3,000</td> <td>Provision for bad debts</td> <td style="text-align: right;">4,500</td> </tr> <tr> <td>Rent and rates</td> <td style="text-align: right;">1,000</td> <td>Commission received</td> <td style="text-align: right;">5,400</td> </tr> <tr> <td>Packing and transport</td> <td style="text-align: right;">500</td> <td></td> <td></td> </tr> <tr> <td>General expenses</td> <td style="text-align: right;">400</td> <td></td> <td></td> </tr> <tr> <td>Insurance</td> <td style="text-align: right;">4,000</td> <td></td> <td></td> </tr> <tr> <td>Debtors</td> <td style="text-align: right;">50,000</td> <td></td> <td></td> </tr> <tr> <td>Cash in hand</td> <td style="text-align: right;">20,000</td> <td></td> <td></td> </tr> <tr> <td>Closing Stock</td> <td style="text-align: right;">40,000</td> <td></td> <td></td> </tr> <tr> <td>Machinery</td> <td style="text-align: right;">20,000</td> <td></td> <td></td> </tr> <tr> <td>Lighting</td> <td style="text-align: right;">5,000</td> <td></td> <td></td> </tr> <tr> <td>Discount</td> <td style="text-align: right;">3,500</td> <td></td> <td></td> </tr> <tr> <td>Bad debts</td> <td style="text-align: right;">3,500</td> <td></td> <td></td> </tr> <tr> <td>Investments :</td> <td style="text-align: right;">23,100</td> <td></td> <td></td> </tr> <tr> <td></td> <td style="text-align: right; border-top: 1px solid black;"><u>3,71,900</u></td> <td></td> <td style="text-align: right; border-top: 1px solid black;"><u>3,71,900</u></td> </tr> </tbody> </table> <p>(i) Depreciation charged on Machinery @ 5% p.a.</p> <p>(ii) Further Bad-debts `1,500, provision for discount on debtors @5% and provision for Doubtful Debts on debtors @ 6%.</p> <p>(iii) Wages prepaid `1,000.</p> <p>(iv) Interest on investments @ 5% p.a.</p>	Debit Balances	`	Credit Balance	`	Opening Stock	1,25,000	Sales	2,50,000	Purchases	35,000	Purchase Return	6,000	Return inward	25,000	Creditors	55,000	Postage and telegram	600	Capital	50,000	Salary	12,300	Discount received	1,000	Wages	3,000	Provision for bad debts	4,500	Rent and rates	1,000	Commission received	5,400	Packing and transport	500			General expenses	400			Insurance	4,000			Debtors	50,000			Cash in hand	20,000			Closing Stock	40,000			Machinery	20,000			Lighting	5,000			Discount	3,500			Bad debts	3,500			Investments :	23,100				<u>3,71,900</u>		<u>3,71,900</u>	15
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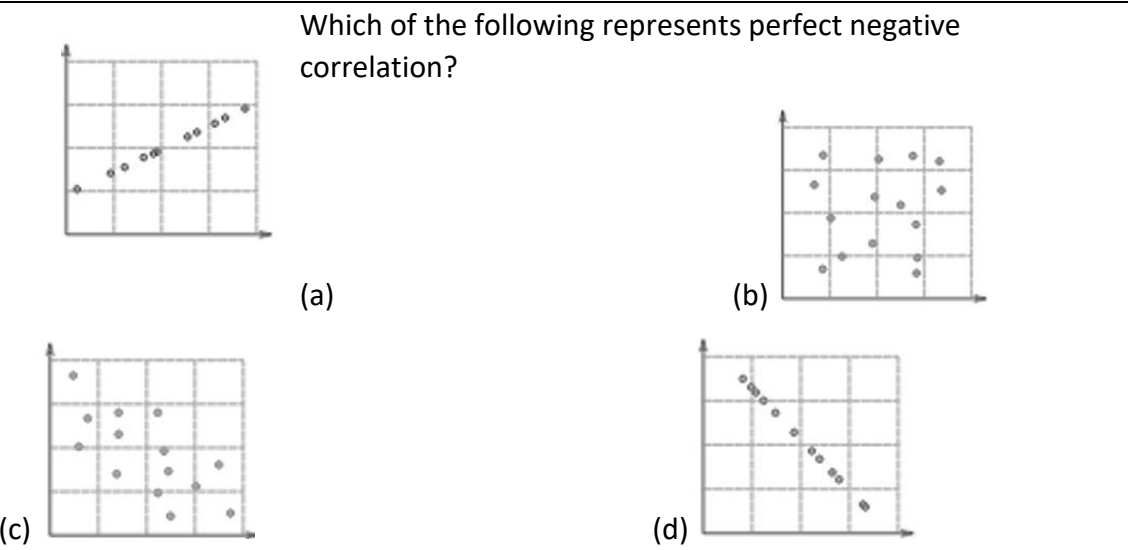
WINTER BREAK ASSIGNMENT
SESSION (2024-25)
SUBJECT – ARTIFICIAL INTELLIGENCE (843)
CLASS- XI

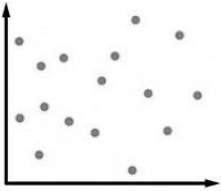
General Instructions:

1. The assignment includes all topics covered from April – December.
2. The date of submission of this assignment is 07 January 2025
3. The assignment is to be attempted in classwork registers.
4. The assignment is prepared on the pattern of Annual Examination 2025.
5. Neatness & timely submission of assignments carries extra marks.

Q1	Answer the given questions on Employability Skills	(1 × 4 = 4 marks)
1	Which of the following is not a factor in the 7Cs of communication? (a) Concrete (b) Coherent (c) Careful (d) Concise	1
2	Which shortcut key is used to create a new document? (a) Ctrl+ C (b) Ctrl + N (c) Ctrl + M (d) Ctrl + D	1
3	Which of the following statements is true? (a) You cannot replace all matching words with another word in one go (b) You can align text in the center (c) When we use cut and paste, the text appears in both the places (d) All of these	1
4	What is the purpose of communication? (a) Inform (tell someone about something) (b) Influence (get someone to do something you want) (c) Share thoughts, ideas, feelings (d) All of the above	1
Q2	Answer the given subject specific questions.	(1 × 12 = 12 marks)
1	Which of these is not an application that uses AI? (a) Uber (a) Calculator	1

	(b) Snapchat (c) Netflix	
2	 <p>The above shows the way conventional coding works. True or False.</p>	1
3	<p>The data distribution of a data set is shown below:</p>  <p>By observation, we can conclude the distribution is</p> <ul style="list-style-type: none"> (a) Symmetric (b) Negatively skewed (c) Positively skewed (d) Uniform distribution 	1
4	<p>Which of the following layers is also known as the 'Black Box'?</p> <ul style="list-style-type: none"> (a) Input Layer (b) Hidden Layer (c) Output Layer (d) None of these 	1
5	<p>Which of these is not an application of machine learning?</p> <ul style="list-style-type: none"> (a) Face Recognition on Facebook (b) Email Spam Filtering (c) Online Fraud Detection (d) Subscription of an App 	1
6	<p>Which of these is not an example of Natural Language Processing?</p> <ul style="list-style-type: none"> (a) Sentiment Analysis (b) Translate (c) Text Summarisation 	1

	(d) Object Tracking	
7	As a citizen of the AI society, we must know how AI works and the framework of AI ethics. True or False	1
8	The domain of AI that deals with interpreting visual information. (a) Computer Vision (b) Natural Language Processing (c) Data Analysis (d) None of these	1
9	Which is the correct order of steps to get compelling data stories? (i) Create a simple narrative embedded with conflict. (ii) Visualize the data. (iii) Examine data relationships. (iv) Get the data and organise it. (a) iii -> ii -> i -> iv (b) iv -> ii -> iii -> i (c) i -> ii -> iii -> iv (d) iv -> iii -> ii -> i	1
10	Which of the following represents perfect negative correlation? 	1

11	Regression may be considered as a statistical tool used in finding out the relationship between a dependent variable and an independent variable. True or False	1
12	<p>What kind of correlation does the graph given below show?</p>  <p>(a) Negative Correlation (b) No Correlation (c) Positive Correlation (d) None of the above</p>	1

SECTION B: SUBJECTIVE TYPE QUESTIONS

Answer each question in 20 – 30 words.

(2 x 13 = 26 marks)

Q3	What is time management and how can you manage your time?	2
Q4	Write any two different ways in which an entrepreneur can think to solve problems.	2
Q5	Explain with examples the role of government in a green economy.	2
Q6	Differentiate between structured and unstructured data with examples.	2
Q7	Differentiate between Supervised and Unsupervised learning with the help of diagram.	2
Q8	Write a short note on 'Computer vision'. Support your answer with examples.	2
Q9	Write any two characteristics of AI.	2
Q10	Write a short note on the working of Recommendation systems.	2
Q11	<p>Calculate the determinant of the given matrix.</p> $\begin{bmatrix} 1 & 5 & 3 \\ 2 & 4 & 7 \\ 4 & 6 & 2 \end{bmatrix}$	2

Q12	Explain about any two ethical concerns surrounding the increasing use of AI.	2
Q13	Explain Data Storytelling with the help of a diagram.	2
Q14	Write a short note on Design Thinking Framework.	2
Q15	Explain about Pearson's correlation coefficient.	2

Answer the given questions in 50 – 80 words each.

(4 x 2 = 8 marks)

Q16	Explain Artificial Neural Networks(ANN) with the help of well labelled diagram.	4
Q17	Explain the four primary tasks accomplished by computer vision with the help of examples.	4


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SUBJECT – BIOLOGY
CLASS- XI

General Instructions:

1. The assignment includes all topics covered from April – December.
2. The date of submission of this assignment is 07 January 2025
3. The assignment is to be attempted in classwork registers.
4. The assignment is prepared on the pattern of Annual Examination 2025.
5. Neatness & timely submission of assignments carries extra marks.

SECTION – A

S.No	QUESTION	MARKS
1.	Name the most abundant protein in animal world . a) Trypsin b) Haemoglobin c) Insulin d) Collagen	1
2.	What Kind of vascular bundle is seen in Dicot Stem? a) Conjoint ,open with exarch protoxylem b) Conjoint, open with endarch protoxylem c) Conjoint and closed d) All of above.	1
3.	Division of nucleus without being followed by cytokinesis results into a) Phargmoplast b) Polyploidy c) Uninucleate condition d) Multinucleate condition	1
4.	Antibiotics cure disease by a) Competitive Inhibition b) Fighting with the disease causing organism c) Turning the pathogen out of the body d) Removing the pain	1
5.	Osteoporosis means – a) Decreased bone mass & increased chance of fracture b) Inflammation of joints c) Rapid muscle spasms due to low calcium d) Joint inflammation due to uric acid crystals	1

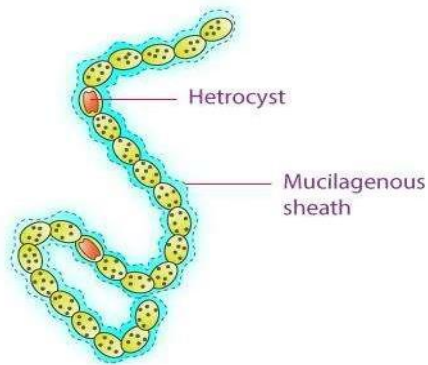
6.	<p>Select the option which is not correct with respect to enzyme action:</p> <p>a) Substrate binds with enzyme at its active site.</p> <p>b) Addition of lot of succinate does not reverse the inhibition of succinic dehydrogenase by malonate.</p> <p>c) A non-competitive inhibitor binds the enzyme at a site distinct from that which binds the substrate.</p> <p>d) Malonate is a competitive inhibitor of succinic dehydrogenase.</p>	1
7.	<p>The energy required for ATP synthesis in PSII comes from</p> <p>a) Proton gradient</p> <p>b) Electron gradient</p> <p>c) Reduction of glucose</p> <p>d) Oxidation of glucose</p>	1
8.	<p>Longest cell in human body are</p> <p>a) Muscle cell</p> <p>b) Nerve cells</p> <p>c) Blood cells</p> <p>d) Mast cells</p> <p style="text-align: center;">OR</p> <p>Identify the organism shown? Name the kingdom it belongs to.</p> <div style="text-align: center;">  </div>	1
9.	<p>Respiration is controlled by nerve centers located in –</p> <p>a) Pons & Medulla oblongata</p> <p>b) Hypothalamus</p> <p>c) Spinal cord</p> <p>d) Thymus</p>	1
10.	<p>Assertion : Rate of photosynthesis decreases as the temperature increases.</p> <p>Reason : Enzymes function at an optimum temperature.</p> <p>a) Both A & R are true and R is the correct explanation of A.</p> <p>b) Both A & R are true and R is not the correct explanation of A.</p>	1

	<p>c) A is true but R is false. d) A is false but R is true.</p>	
11.	<p>Assertion: The 'absorption spectrum' of chlorophyll 'a' is determined in terms of the rate of production either per unit mass of green tissue or per unit weight of total chlorophyll. Reason: Chlorophyll 'a' is present in both the pigment system I & II. a) Both A & R are true and R is the correct explanation of A. b) Both A & R are true and R is not the correct explanation of A. c) A is true but R is false. d) A is false but R is true.</p>	1
12.	<p>Assertion: Aldosterone causes the reabsorption of Na⁺ & water from the distal part of renal tubule Reason: Angiotensin – I activates adrenal cortex to release aldosterone. a) Both A & R are true and R is the correct explanation of A. b) Both A & R are true and R is not the correct explanation of A. c) A is true but R is false. d) A is false but R is true.</p>	1
13.	<p>Glycogen is a homopolymer made of a) Glucose units b) Galactose units c) Ribose units d) Aminoacids</p> <p style="text-align: center;">OR</p> <p>Which green algae is used by space travellers as protein rich food?</p>	1
14.	<p>Casparian thickenings are found in the cells of a) Endodermis of the root b) Pericycle of the root c) Endodermis of the stem d) Pericycle of the stem</p> <p style="text-align: center;">OR</p> <p>Do you consider a person in coma, living or dead?</p>	1
15.	<p>Plasma without clotting factor is called – a) Eosinophil b) Monocyte c) Serum d) Water</p>	1

16.	Seeds of _____ are used as food after roasting. a) Gilikgo endosperm b) Pinus gerardiana c) Cycas seeds d) Gnetum	1
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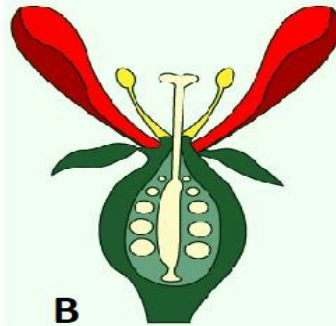
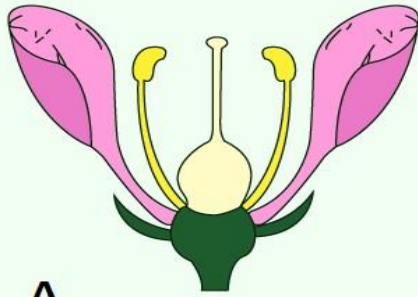
SECTION - B

17.	<p>Observe the diagram and answer the questions</p> <p>a. What does A, B, C and D represent b. In which cell division it is found? Give its significance.</p> <p>OR</p> <p>Analyze the facts given in three columns, find their relationship and fill the blanks.</p> <table border="1"> <tr> <td>Thymus</td> <td>a) -----</td> <td>Differentiation of T-lymphocytes</td> </tr> <tr> <td>b) -----</td> <td>Adrenaline</td> <td>Emergency hormone</td> </tr> <tr> <td>Kidney</td> <td>Erythropoietin</td> <td>c) -----</td> </tr> <tr> <td>Pancreas</td> <td>d) -----</td> <td>Decrease blood glucose level</td> </tr> </table>	Thymus	a) -----	Differentiation of T-lymphocytes	b) -----	Adrenaline	Emergency hormone	Kidney	Erythropoietin	c) -----	Pancreas	d) -----	Decrease blood glucose level	2
Thymus	a) -----	Differentiation of T-lymphocytes												
b) -----	Adrenaline	Emergency hormone												
Kidney	Erythropoietin	c) -----												
Pancreas	d) -----	Decrease blood glucose level												
18.	Observe the figure and answer the following	2												



Identify the organism shown in the above figure & write its kingdom .
Mention one important function of heterocyst.

19.	<p>Flowchart showing impulse transmission through chemical synapse is given below. Complete it.</p> <p>Impulse arrives at a) terminal</p> <p>↓</p> <p>b)</p> <p>↓</p> <p>Fusion of synaptic vesicles with plasma membrane</p> <p>↓</p> <p>c)</p> <p>↓</p> <p>Released neurotransmitters bind to receptor on post synaptic membrane</p> <p>↓</p> <p>d)</p> <p>↓</p> <p>Generation of new potential at post synaptic neuron</p>	2
20.	<p>Differentiate between RER and SER on the basis of a. structure b.function</p> <p style="text-align: center;">OR</p> <p>Differentiate between mitochondria and chloroplast on the basis of</p> <p>a. structure</p> <p>b. function</p>	2
21.	<p>Describe the role of haemoglobin in the transport of respiratory gases.</p> <p style="text-align: center;">OR</p> <p>Identify the type of floral part insertion in the given flowers A and B.</p>	2



Also write the type of ovary these flower have.

SECTION – C

22.	<p>a) Write any three characteristics feature of mammals. b) Give examples of any two aquatic mammals. c) Write scientific name of any two mammals.</p>	3
23.	<p>Draw diagram with 6 labeling to show and explain T.S of dicot stem OR Draw diagram with 6 labeling to show and explain T.S of monocot root.</p>	3
24.	<p>Observe the diagram and Specify what do A,B,C,D,E,F represent?</p>	3

25.	<p>Observe the figure and answer the following</p> <p>a) Identify the phases a and b shown in figure.</p> <p>b) Write importance and stages of stage b</p> <p>c) Why is Quiescent stage important?</p>	3
26.	<p>Illustrate lock and key hypothesis of enzyme action.</p> <p style="text-align: center;">OR</p> <p>Explain structure of DNA as proposed by Watson and Crick.</p>	3
27.	<p>Describe most accepted theory of muscle contraction with the help of suitable diagrams.</p> <p style="text-align: center;">OR</p> <p>Differentiate between Gymnosperm and Pteridophytes.</p>	3
28.	<p>Expand PEP. Where is it produced in C4 plants? What is its role in the biosynthetic process?</p> <p style="text-align: center;">OR</p> <p>Write four differences between cyclic and non-cyclic photophosphorylation.</p>	3

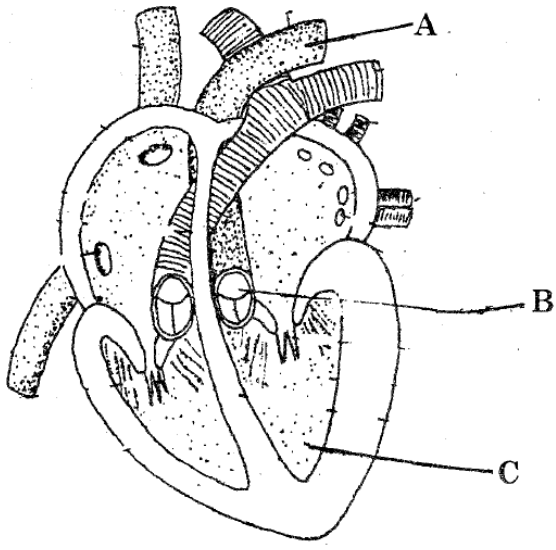
SECTION - D

29.	<p>Read the given passage and answer the questions that follow -</p> <p>Plastids are found in plant cell and euglenoids. They bear specific pigments thus imparting specific colors to the plants. Plastids consist of numerous membrane layers embedded in a material called the stroma. They have their own genome and ribosome.</p> <p>1. Name the colorless plastids.</p> <p>a) Leucoplast b) Chloroplast c) Chromoplast d) Carotenoids</p>	4
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	<p>2. The _____store proteins in grains</p> <p>a) Amyloplast b) Aleuroplast c) Elaioplast d) Carotenoids</p> <p>3. Which type of plastids store carbohydrates in potatoes?</p> <p>a) Amyloplast b) Aleuroplast c) Elaioplast d) Carotenoids</p> <p>4. The space limited by the inner membrane of chloroplast is called __</p> <p>a) Matrix b) Cytoplasm c) Stroma d) Lumen</p>	
30.	<p>Read the given passage and answer the questions that follow -</p> <p>The sequence of bases in mRNA is read in serial order in groups of three at a time. Each triplet of nucleotides (having a specific sequence of bases) is known as codon. Each codon specifies one amino acid. Many amino acids have more than one codons. The amino acids are brought tomRNA by another type of RNA called tRNA each amino acid has at least one corresponding tRNA. At one end of the tRNA is a trinucleotide basesequene on mRNA.</p> <p>1. Which of the following nitrogen bases is not present in RNA?</p> <p>a) Thymine b) Adenine c) Guanine d) Cytosine</p> <p>2. Each triplet of nucleotides is called</p> <p>a) Anticodon b) Codon c) mRNA d) tRNA</p>	4

	<p>3. Each codon specifies</p> <p>a) 1 amino acid b) 2 amino acids c) 3 amino acids d) None of these</p> <p>4. The amino acids are brought to -----by another type of RNA called -----</p> <p>a) mRNA, mRNA b) tRNA, mRNA c) mRNA, tRNA d) tRNA, Rrna</p>	
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SECTION – E

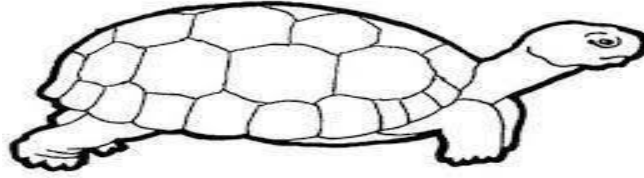
<p>31.</p>	<p>Label the given diagram and explain the process of double circulation in human heart. Also state why s human heart said to be myogenic.</p>  <p>T.S HUMAN HEART</p>	<p>5</p>
<p>32.</p>	<p>a) Enlist various hormones produced by master endocrine gland of an adult human. Explain role of any four hormones produced by it b) Give the names of two hormones produced by ovary and give theirrole</p> <p>OR</p> <p>a) Describe the mechanism of Urine formation.</p>	<p>5</p>

b) Differentiate between Ammonotelism and ureotelism.

33.

Identify the organisms shown below and write its Class/ Phylum

5



A



B

- a. Give any six identifying features of the class/ Phylum to which each of them belong to.
- b. Give two more examples of both the groups.

OR

Draw and explain process of meiosis I with the help of labeled diagrams.

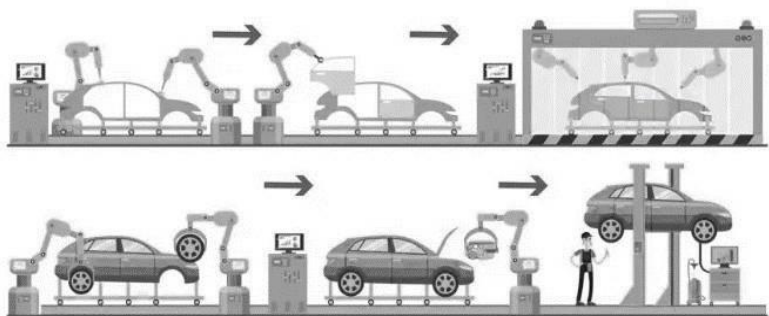


WINTER BREAK ASSIGNMENT
SESSION (2024-25)
CLASS – XI
SUBJECT – BUSINESS STUDIES


General Instructions:

1. All questions are compulsory.
2. The assignment includes all topic from April to December.
3. Last date of submission is 7 Jan 2025.
4. The assignment is attempted in class work registers.
5. The assignment is prepared on the pattern of annual exam 2025
6. Neatness and timely submission of assignment carries extra marks.

S.No.	Questions	Marks
1.	The documents for registration for a company were filed on 21st February 2022. The Certificate of Incorporation was issued on 28th February 2022. But the date mentioned on the Certificate of Incorporation was 26th February 2022. From which date will the company be considered to be in existence and the contracts signed will be considered valid? (a) 21st February 2022 (b) 28th February 2022 (c) 26th February 2022 (d) None of the above	1
2.	Commerce is a combination of two types of activities. These are: (a) Industry and trade (b) Trade and auxiliaries to trade (c) Trade and Commerce (d) Production and consumption	1
3.	A partner who invests in a partnership business but does not take part is known as: (a) Active Partner (b) Dormant Partner (c) Secret Partner (d) Nominal Partner	1
4.	Find out the liability of Kavita in a company who is a shareholder is holding 3,000 shares of ₹10 each. She has already paid ₹ 6 per share. (a) ₹ 10,000 (b) ₹ 18,000 (c) ₹ 1,20,000 (d) ₹ 12,000	1
5.	‘A business enterprise must aim at forming its stronger footing in terms of offering competitive products at reasonable prices to its customers and serving them to their satisfaction.’ Which objective of business is described here? (a) Market Standing (b) Profit Earning (c) Productivity (d) Social Responsibility	1

6.	<p>'The public sector consists of various organisations owned and managed by the government. These organisations may either be partly or wholly owned by the central or state government.' Which of the following is not a feature of Public Sector Enterprises?</p> <p>(a) Contribute to the economic development of the country (b) Ensure organisational performance productivity and quality standards (c) Public Accountability (d) Only profit maximisation</p>	1
7.	<p>Some people came together and formed a special type of business unit which is governed by the principle "One man, one vote". In this business, irrespective of the amount of capital contributed by a member, each member is entitled to equal voting rights. Name the type of business organisation.</p> <p>(a) Co-operative societies (b) Partnership (c) Joint Hindu Family Business (d) Sole Proprietorship</p>	1
8.	<p>Identify the type of industry shown in the picture given below and select the correct alternative:</p>  <p>(a) Analytical Industry (b) Synthetical Industry (c) Processing Industry (d) Assembling Industry</p>	1
9.	<p>Which of the following is incorrect about the Public Private Partnership (PPP) model:</p> <p>(a) Private sector's role is to make use of its expertise in operations and managing tasks (b) Government's contribution is in the form of capital for investment (c) Private sector's role is towards social responsibility and environmental awareness (d) Private sector is responsible for innovation to run the business efficiently</p>	1
10.	<p>Statement I-Engineering and Architectural skills are important requirements in construction industries. Statement II-Primary Industry may be classified into four broad categories.</p>	1

	<p>In light of the above statements, choose the most appropriate answer from the options given below.</p> <p>(a) Both Statement I and Statement II are correct. (b) Both Statement I and Statement II are incorrect. (c) Statement I is correct but Statement II is incorrect. (d) Statement I is incorrect but Statement II is correct.</p>											
11.	<p>Name the type of Insurance in which the insurable interest must be present at the time of effecting the policy but need not be necessary at the time when the claim falls due.</p> <p>(a) Life Insurance (c) Marine Insurance (b) Fire Insurance (d) Health Insurance</p>	1										
12.	<p>Match the type of enterprise given in column I with the example given in column II:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Column I</th> <th style="width: 50%;">Column II</th> </tr> </thead> <tbody> <tr> <td>A. Public Private Partnership</td> <td>(i) Indian Oil Corporation Ltd.</td> </tr> <tr> <td>B. Government Company</td> <td>(ii) Air Asia</td> </tr> <tr> <td>C. Global Enterprises</td> <td>(iii) Kundli Manesar Expressway Ltd.</td> </tr> <tr> <td>D. Joint Venture</td> <td>(iv) TCS</td> </tr> </tbody> </table> <p>(a) A-(iii), B-(ii), C-(i), D-(iv) (b) A-(iii), B-(i), C-(iv), D-(ii) (c) A-(iii), B-(ii), C-(iv), D-(i) (d) A-(iv), B-(iii), C-(i), D-(ii)</p>	Column I	Column II	A. Public Private Partnership	(i) Indian Oil Corporation Ltd.	B. Government Company	(ii) Air Asia	C. Global Enterprises	(iii) Kundli Manesar Expressway Ltd.	D. Joint Venture	(iv) TCS	1
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B. Government Company	(ii) Air Asia											
C. Global Enterprises	(iii) Kundli Manesar Expressway Ltd.											
D. Joint Venture	(iv) TCS											
13.	<p>In which type of account, if the deposit exceeds a particular limit it is converted into fixed account?</p> <p>(a) Forex Account (c) Multiple Option Deposit Account (b) Recurring Deposit Account (d) Current Deposit</p>	1										
14.	<p>Shivani is a software professional working in JK Industries in Kerala. Her parents reside in Agra. Due to family emergency, her father asked her to send ₹ 4 lakhs in his saving bank account in SBI. Shivani has her bank account with Bank of Baroda but she has not opted for digital payment system or e- banking services. She approached her bank manager Mr. Vivek, for remittance of the amount. He informed her that she can opt for EFT. He advised her to apply for virtual banking services enlisting its benefits and started her mobile banking services. Shivani successfully transferred the amount using RTGS.</p> <p>Which of the following is not a benefit of e-banking?</p> <p>(a) Facilitates digital payments (b) Provides 24 hours, 365 days a year services to the customers (c) Promotes transparency in financial statements (d) Convenient for internet users only</p>	1										
15.	<p>Identify the type of business organization from the picture below:</p>	1										

	 <p>(a) Departmental Undertaking (b) Statutory Corporation</p> <p>(c) Government Company (d) Cooperative Society</p>	
16.	<p>'It refers to the right of the insurer to stand in the place of the insured, after settlement of a claim, as far as the right of insured in respect of recovery from an alternative source is involved.' Which principle of insurance is described here?</p> <p>(a) Utmost Good Faith (b) Subrogation</p> <p>(c) Causa Proxima (d) Insurable Interest</p>	1
17.	<p>Coca-Cola, founded in 1886, is a global giant in the beverage industry. It operates in over 200 countries, offering a vast portfolio of drinks beyond its flagship Coca-Cola brand. Coca-Cola operates through a complex network of bottling partners who manufacture, distribute, and sell its products locally. This allows for adaptation to regional tastes and preferences.</p> <p>Though the operations and activities of Coca-Cola extend beyond the physical boundaries of their own country, control is mainly exercised by:</p> <p>(a) Subsidiaries (b) Headquarters</p> <p>(c) Affiliates (d) Branches</p>	1
18.	<p>Read the following statements - Assertion (A) and Reason (R). Assertion (A): The activities of the departmental undertaking can be highly secret, as government can avoid disclosure on the plea of public interest. Reason (R): Due to effective control, the most sensitive area like Defence is operating as departmental undertaking.</p> <p>In the context of the above two statements, which of the following is correct?</p> <p>(a) Both Assertion (A) and Reason (R) are true and Reason (R) is the correct explanation of Assertion (A). (b) Both Assertion (A) and Reason (R) are true, but Reason (R) is not the correct explanation of Assertion (A). (c) Assertion (A) is true, but Reason (R) is false. (d) Assertion (A) is false but Reason (R) is true.</p>	1
19.	<p>Preliminary contracts are:</p> <p>(a) Binding on the company (b) Binding on the company if ratified after incorporation. (c) Binding on the company after incorporation. (d) Not binding on the company</p>	1

20.	'This type of enterprise is usually independently financed. It obtains funds by borrowings from the government or from the public through revenues, derived from sale of goods and services. It has the authority to use its revenues.' Which type of PSE is described here: (a) Departmental Undertaking (c) Government Company	1
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	(b) Statutory Corporation (d) Joint Stock Company	
21.	A, B & C are partners in a firm manufacturing auto parts. Their firm is not registered. In order to increase the earnings of the firm, B decided to use low quality raw materials without the knowledge of A & C. As a result, many accidents were reported by the consumers & a case has been filed against the firm. (a) Is this wrong act of B binding on A & C? Briefly explain the feature related to it. (b) Can A & C file case against B & why?	3
22.	Sanjeev was born in Delhi and is a fashion designer. He runs his fashion garments from Punjabi Bagh market at Delhi. After running the business for five years, Sanjeev feels that he should get his business registered in a way that he can save himself from the threat of unlimited liability. But at the same time, he doesn't want anyone else to be a part of the decision-making or to interfere in this business. On the basis of the given information, answer the following questions- (a) State the form of business organization to be formed by Sanjeev to get it registered. (b) Enlist any two features of the form of business organisation identified in part (a).	3
23.	What are the features of a government company? (Any three) OR Why are global enterprises considered superior to other business organisations? Give three reasons.	3
24.	Identify and explain the type (category and subcategory) of industry by giving examples of the following: (a) An industry which is concerned with extraction of natural resources from the earth. (b) An industry which is concerned with breeding, reproduction and multiplication of species. (c) An industry which is concerned with mixing of various materials to form a single useful product.	3

25.	<p>Prisha, a fresh graduate from a prestigious management school, has started her own business of manufacturing bridal outfits. She gets these outfits designed by a team of designers and herself explores the latest trends in fashion world regularly. Initially she earned a profit on each outfit but after sometime there was a stagnation in the growth of business and it was difficult to anticipate profits.</p> <p>(a) Identify and explain the cause of business risk discussed above.</p> <p>(b) Discuss any two causes of business risk other than the one identified in (a).</p>	(2+2=4)
26.	<p>Vistara airlines has come into existence through a collaboration between Tata Sons and Singapore Airlines (SIA), Tata Sons holds 51 % stake while Singapore Airlines (SIA), controls the remaining 49 % in the airline. The two stakeholders are investing, in billions of US Dollars, into Vistara to expand domestic operations, foray into international markets and expand its fleet of narrow-body and wide-body aircraft. It also holds the unique distinction of being the first airline to operate a domestic flight out of Terminal from Mumbai's Chhatrapati Shivaji International Airport. Vistara is estimated to hold about four to five percent share of India's domestic aviation market.</p> <p>Describe the form of organisation discussed above.</p>	4
27	<p>'Memorandum of Association is the most important document as it defines the objectives of the company.' In light of the above statement, briefly discuss any four clauses of Memorandum of Association.</p> <p style="text-align: center;">OR</p> <p>'A public company can raise the required funds from the public by means of issue of securities.' Discuss first four steps that the company is required to take for raising funds from the public. 'Memorandum of Association is the most important document as it defines the objectives of the company.' In light of the above statement, briefly discuss any four clauses of Memorandum of Association.</p> <p style="text-align: center;">OR</p> <p>'A public company can raise the required funds from the public by means of issue of securities.' Discuss first four steps that the company is required to take for raising funds from the public.</p>	
28	<p>Furry Private Ltd. is a well-known company dealing in pet food and accessories. Keeping in view the growing demand for its products, the company has decided to increase its production. The expansion plan will necessitate setting up of a new factory. In order to meet its increased financial needs, the management of the company has decided to 'go public' that is to change the form of business from a private limited to a public limited company.</p> <p>(a) Why do you think the management of the company has decided to convert the company into a public limited company?</p> <p>State any three privileges of a private limited company as against a public limited company.</p>	

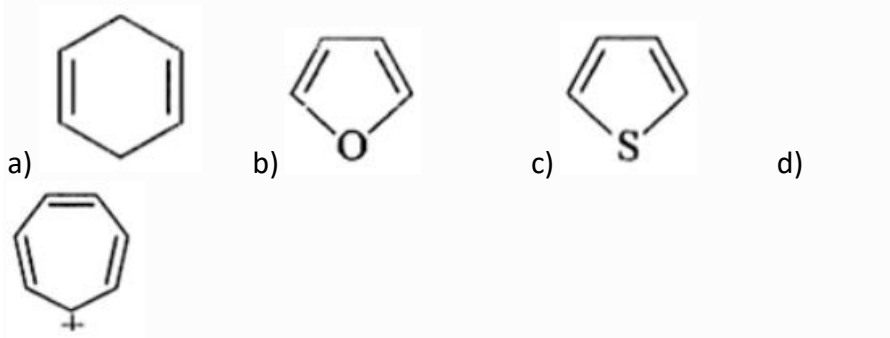
29	<p>a. Identify and explain the principles of insurance which are applicable in the below cases: Ajit is the owner of Ola taxicab and he gets it insured because he is getting income from it. However, if he sells it, he will not have any concern left in that taxicab.</p> <p>b. Identify and explain the principle of insurance which is violated in this case: Jeevan insures his property worth ₹ 10 crore with two insurers 'AIG Ltd' and 'Metlife Ltd' for ₹ 6 crore and 4 crore, respectively. Due to an earthquake, the actual damage caused to Jeevan's property is worth ₹ 3 crore. He filed a claim for ₹ 3 crore against each of the insurance companies.</p>	
30	<p>The Indian Tourism Development Corporation came into existence in October 1966 and has been the prime mover in the progressive development, promotion and expansion of tourism in the country. The authorised capital of the corporation is ₹ 75 crore and the paid-up capital was ₹ 67.52 crore. 89.9% of the paid-up equity capital of the corporation is held in the name of President of India.</p> <p>Explain the merits and limitations of Public Sector Enterprises mentioned in the above paragraph.</p>	
31	<p>Define auxiliaries to trade. Explain any five activities which are auxiliaries to trade.</p> <p style="text-align: center;">OR</p> <p>'There is a possibility of inadequate profits or even losses due to uncertainty or some unpredictable events which are beyond the control of businessman'. Identify the characteristic of business highlighted in the above statement. Also, discuss any other five characteristics of business.</p>	
32	<p>Case 1: ABC Ltd. is a manufacturing company that wants to expand its operations. They are considering two options: either increasing production capacity or diversifying into a new product line. The management needs to evaluate both options based on market conditions, available resources, and potential risks.</p> <p>Question: a) What factors should ABC Ltd. consider when making this decision? b) How can the business environment impact the decision-making process?</p>	

WINTER BREAK ASSIGNMENT
SESSION (2024-25)
CLASXII
SUBJECT – CHEMISTRY (043)

General Instructions:

1. The assignment includes all topics covered from April – December.
2. The date of submission of this assignment is 07 January 2025
3. The assignment is to be attempted in classwork registers.
4. The assignment is prepared on the pattern of Annual Examination 2025.
5. Neatness & timely submission of assignments carries extra marks.

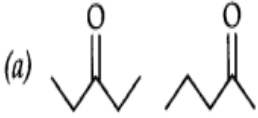
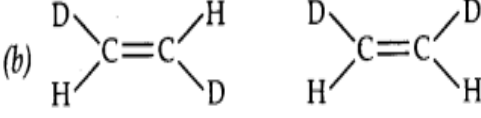
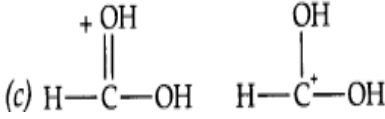
SECTION-A		
1	There are ___ in 2000 mm? a) 2 m b) 0.002 m c) 0.02 m d) 200 m	1
2	Photoelectric effect established that light a) behaves like particles b) behaves like magnetic fields c) behaves like waves d) behaves like rays	1
3	The atomic number of the element unnilennium is: a) 102 b) 109 c) 119 d) 108	1
4	Which of the following information can be obtained on the basis of Le Chatelier's principle? a) Shift in equilibrium position on changing value of a variable b) Equilibrium constant of a chemical reaction c) Entropy change in a reaction d) Dissociation constant of a weak acid	1
5	If an atom is reduced, its oxidation number a) First increases then decreases b) Decreases c) Increases d) Does not change	1

6	<p>A reaction occurs spontaneously if:</p> <p>$T\Delta S = \Delta H$ and both ΔH and ΔS are positive</p> <p>$T\Delta S > \Delta H$ and both ΔH and ΔS are positive</p> <p>$T\Delta S < \Delta H$ and both ΔH and ΔS are positive</p> <p>$T\Delta S > \Delta H$ and ΔH is positive and ΔS is negative</p> <p>a) i and ii b) iv and i c) iii and iv d) only ii</p>	1
7	<p>Stereoisomeric alkenes due to the different arrangement of atoms or groups in space are referred to as:</p> <p>a) Constitutional isomers b) Position isomers c) Chain isomers d) Geometric isomers</p>	1
8	<p>Which of the following is incorrect?</p> <p>a) The O-O bond length in H_2O_2 is larger than that in O_2F_2. b) None of these c) The O-O bond length in H_2O_2 is very slightly smaller than in O_2^{2-} ion. d) O_2^- and O_2^+ species are paramagnetic and have the same number of unpaired electrons.</p>	1
9	<p>Which of the following is not an aromatic compound?</p> 	1
10	<p>$CH_3 - MgBr$ and $(C_2H_5)_2 Cu Li$ are _____.</p> <p>a) electrophiles b) lewis acids c) nucleophiles d) both electrophiles and nucleophiles</p>	1
11	<p>How many moles of electrons weigh one kilogram?</p> <p>(a) 6.022×10^{23} (b) $1/9.108 \times 10^{31}$ (c) $6022/9.108 \times 10^{54}$ (d) $1/9.108 \times 6.022 \times 10^8$</p>	1
12	<p>Consider the following equilibrium in a closed container</p> <p>$N_2O_4 (g) \rightleftharpoons 2NO_2 (g)$.</p> <p>At a fixed temperature, the volume of the reaction container is halved. For</p>	1

	<p>this change, which of the following statements hold true regarding the equilibrium constant (K_p) and degree of dissociation (α)?</p> <p>(a) Neither K_p nor α changes (b) Both K_p and α change (c) K_p changes but α does not change (d) K_p does not change but α changes.</p>	
13	<p>Assertion (A): NO^- ion is isoelectronic with CN^- ion. Reason (R): Isoelectronic ions have same number of electrons.</p> <p>a) Both A and R are true and R is the correct explanation of A. b) Both A and R are true but R is not the correct explanation of A. c) A is true but R is false. d) A is false but R is true.</p>	1
14	<p>Assertion (A): VIBGYOR signifies the seven colour of visible light. Reason (R): Red colour corresponds to higher frequency and blue colour to lower frequency region.</p> <p>a) Both A and R are true and R is the correct explanation of A. b) Both A and R are true but R is not the correct explanation of A. c) A is true but R is false. d) A is false but R is true.</p>	1
15	<p>Assertion (A): Atoms can neither be created nor be destroyed. Reason (R): Under similar conditions of temperature and pressure, an equal volume of gases does not contain an equal number of atoms.</p> <p>a) Both A and R are true and R is the correct explanation of A. b) Both A and R are true but R is not the correct explanation of A. c) A is true but R is false. d) A is false but R is true.</p>	1
16	<p>Assertion (A): The number of moles of KMnO_4 reduced by one mole of KI in an alkaline medium is three. Reason (R): The tendency of an electrode to lose electrons is known as oxidation potential.</p> <p>a) Both A and R are true and R is the correct explanation of A. b) Both A and R are true but R is not the correct explanation of A. c) A is true but R is false. d) A is false but R is true.</p>	1
SECTION-B		
17	<p>How much potassium chlorate should be heated to produce 2.24L of oxygen at STP?</p> $2\text{KClO}_3 \rightarrow 2\text{KCl} + 3\text{O}_2$ <p>(K=39, Cl=35.5, O=16)</p>	2
18	<p>Explain the non-linear shape of H_2S and non-planar shape of PCl_3 using valence shell electron pair repulsion theory.</p>	2
19	<p>A man takes a diet equivalent to 10000 kJ per day and does work, in expanding his energy in all forms equivalent to 12500 kJ per day. What is the change in internal energy per day? If the energy lost was stored as sucrose</p>	2

	(1632 kJ per 100 g), how many days should it take to lose 2 kg of his weight?	
20	Balance the following reaction by oxidation number method- $\text{H}_2\text{O}_2(\text{aq}) + \text{Fe}^{2+}(\text{aq}) \rightarrow \text{Fe}^{3+}(\text{aq}) + \text{H}_2\text{O}(\text{l})$ (in acidic medium)	2
21	An element X has atomic number 13 : (a) Write its electronic configuration. (b) State the group to which 'X' belongs? (c) Is 'X' a metal or a non-metal? (d) Write the formula of its bromide.	2
SECTION-C		
22	The energy associated with first orbit in hydrogen atom is -2.17×10^{-18} . What is the energy associated with the fifth orbit? Calculate the radius of Bohr's fifth orbit for the hydrogen atom.	3
23	Write the electronic configurations of the elements with atomic numbers 9, 11, 21 and 36. Stating reasons, predict the following from these configurations: Which of them has the lowest ionization enthalpy? Which of them has the highest negative electron gain enthalpy? Which of them has positive electron gain enthalpy?	3
24	a) Draw the structure of the following compound; But-3-yn-1-ol or But-4-ol-yne. b) (i) $\overset{+}{\text{C}}\text{H}_3, \overset{+}{\text{C}}\text{H}_2\text{Br}, \overset{+}{\text{C}}\text{HBr}_2, \overset{+}{\text{C}}\text{Br}_3$ (ii) $\overset{\ominus}{\text{C}}\text{H}_3, \overset{\ominus}{\text{C}}\text{H}_2\text{Cl}, \overset{\ominus}{\text{C}}\text{HCl}_2, \overset{\ominus}{\text{C}}\text{Cl}_3$ Identify the most stable species c) Arrange the following in increasing order of C—C bond length: C_2H_2 & C_2H_4 , C_2H_6 .	3
25	Justify the following statements. a) Reaction with negative Gibb's energy always has an equilibrium constant greater than 1. b) Many thermodynamically feasible reactions do not occur under ordinary conditions. c) At low temperatures, enthalpy change dominates the ΔG expression and at high temperatures, it is the entropy that dominates the value of ΔG .	3
26	a) Why standard entropy of an elementary substance is not zero whereas standard enthalpy of formation is taken as zero? b) Under what conditions will the reaction occur, if a) both ΔH and ΔS are positive b) both ΔH and ΔS are negative	3
27	When a certain metal was irradiated with a light of frequency 3.2×10^{16} Hz, the photoelectrons has twice the kinetic energy as emitted when the same	3

	<p>metal was irradiated with light of frequency 2×10^{16} Hz. Calculate the threshold frequency (ν_0) of the metal.</p> <p>OR</p> <p>a) Using s, p and d notations, describe the orbitals with following quantum numbers :</p> <p>$n = 1, l = 0$ $n = 4, l = 3$ $n = 3, l = 1$ $n = 4, l = 2$</p> <p>b) Find out number of waves made by the Bohr electron in its third orbit.</p>	
28	<p>i) If two elements can combine to form more than one compound, the masses of one element that combine with a fixed mass of the other element, are in the whole-number ratio. Is this statement true?</p> <p>a) If yes, according to which law? b) Give one example related to this law.</p> <p>ii) How many atoms are present in 0.1 mole of a triatomic gas?</p>	3
SECTION-D		
29	<p>Read the text carefully and answer the questions:</p> <p>Alkanes, like propane and isobutane become alkenes like propylene and isobutylene through a chemical process called dehydrogenation, the removal of hydrogen, and the reverse of hydrogenation. The petrochemical industry often uses this process to create aromatics and styrene. The process is highly endothermic and requires temperatures of 932 degrees F, 500 degrees C and above. Common dehydrogenation processes include aromatization, in which chemists aromatize cyclohexene in the presence of hydrogenation acceptors using the elements sulphur and selenium, and the dehydrogenation of amines to nitriles using a reagent like iodine penta fluoride. Dehydrogenation processes can also convert saturated fats to unsaturated fats in the manufacturing of margarine and other foods. The chemical reactions during dehydrogenation are possible at high temperatures because the release of hydrogen gas increases the collapse of the system.</p> <p>a) Arrange the three isomeric pentanes in order of increasing stability at room temperature. b) Give a method of preparation of propane from an alkene. c) Give a method of preparation of propane from an alkyl halide. d) Write the structure of all the alkenes that can be hydrogenated to form 2-methyl butane</p>	4
30	<p>Read the text carefully and answer the questions:</p> <p>In order to explain the characteristic geometrical shapes of polyatomic molecules, Pauling introduced the concept of hybridisation. The orbitals undergoing hybridisation should have nearly the same energy. There are various type of hybridisations involving s, p and d-type of orbitals. The type of hybridisation gives the characteristic shape of the molecule or ion.</p> <p>a) Why all the orbitals in a set of hybridised orbitals have the same shape and energy? b) Out of XeF_2 and SF_2 which molecule has the same shape as NO_2^+ ion?</p>	4

	c) Out of XeF ₄ and XeF ₂ which molecule doesn't have the same type of hybridisation as P (Phosphorus) has in PF ₅ ? d) Compare the bond angles between NH ₃ , PH ₃ and AsH ₃ .	
SECTION-E		
31	<p>i) Write structural formulae for compounds named as-</p> <p>(a) 1-Bromoheptane (b) 5-Bromoheptanoic acid</p> <p>ii) What are hybridisation states of each carbon atom in the following compounds? CH₂=C=O, CH₃CH=CH₂, Indicate the α- and β-bonds in the following molecules: CH₂Cl₂, CH₂=C=CH₂,</p> <p>OR</p> <p>a) Which of the two: O₂NCH₂CH₂O⁻ or CH₃CH₂O⁻ is expected to be more stable and why?</p> <p>b) What is the relationship between the members of following pairs of structures? Are they structural or geometrical isomers or resonance contributors?</p> <p>(a) </p> <p>(b) </p> <p>(c) </p> <p>c) What are electrophiles and nucleophiles? Explain with examples.</p>	2 +2+ 1
32	<p>a) At 773 K temperature, the equilibrium constant K_c for the reaction N₂ (g) + 3H₂ (g) ⇌ 2NH₃ (g) is 6.02 × 10⁻² L² mol⁻². Calculate the value of K_p at the same temperature.</p> <p>b) A solution is found to contain 0.63 g of nitric acid in 100 ml of solution. What is the Ph of the solution?</p> <p>OR</p> <p>a) Calculate the Ph of 10⁻⁸ M HCl.</p> <p>b) Equilibrium constant K_c for the reaction, N₂(g)+3H₂(g)⇌2NH₃(g) at 500 K is 0.061. At a particular time, the analysis shows that the composition of the reaction mixture is: 3.0 mol L⁻¹ of N₂, 2.0 mol L⁻¹ of H₂ and 0.50 mol L⁻¹ of NH₃. Is the reaction at equilibrium? If not, in which direction does the reaction tend to proceed to reach the equilibrium?</p>	5
33	On complete combustion, 0.246g of an organic compound gave 0.198 g of carbon dioxide and 0.1041 g of water. Determine the percentage composition of carbon and hydrogen in the compound.	5



WINTER BREAK ASSIGNMENT
SESSION (2024-25)
SUBJECT – COMPUTER SCIENCE (083)
CLASS- XI

General Instructions:

6. The assignment includes all topics covered from April – December.
7. The date of submission of this assignment is 07 January 2025
8. The assignment is to be attempted in classwork registers.
9. The assignment is prepared on the pattern of Annual Examination 2025.
10. Neatness & timely submission of assignments carries extra marks.

SECTION A		
1	Function to find the data type of given variable. a. check() b. datatype() c. type() d. show()	1
2	What will be the output of the following statement? L= [1,12,56,[3,23],43,(43,0)] print(L[5][1]) a. (43,0) b. 43 c. 0 d. Error in code	1
3	A column in a table in MySQL is called..... a field b. attribute c. Both a or b d. None of these	1
4	The three greater than signs(>>>) are called the python..... a. cursor b. command prompt c. pointer d. blinking cursor	1
5	Select the correct output of the code: C, D = 45,32 C, D = D, C+2 print(C,D) a. 32 47 b. 34 45 c. 34 34 d. Error in code	1
6	1024 Bytes is equal to : a. 1 MB b. 1 KB c. 1 GB d. None of these	1
7	SQL command to open the database stock a. View stock b. open stock c. use stock d. None of these	1
8	Which of the following commands will display all the records from the table Emp? a. select all from emp; b. show * from emp; c. select * from emp; d. None of the above	1
9	What is the base of hexa decimal number system? a. 2 b. 8 c. 10 d. 16	1
10	What will the following expression be evaluated to in Python? 12 + (3 * 4 – 6) / 3 a. 14 b. 14.0 c. 12 d. 12.0	1

11	Built in function to find the ASCII value of a given character. a. chr() b. ord() c. asc() d. None of these	1
12	What will be the output of the following code? S1 = "My name is Nandini" S2 = S1[3:7] Length = len(S2) print(Length) a. 4 b. 14 c. 29 d. 3	1
13	What abandons the current loop? a. continue b. break c. stop d. infinite	1
14 function will add a value at the end in the list K. a. K.insert() b. K.add() c. K.append() d. Any of the above	1
15	Tuple data type can be used as keys in dictionary. (True/False) a. True b. False	1
16	Which of the following is not a valid string operation? a. 'abc' + 'abc' b. 'abc' * 3 c. 'abc' - 3 d. All of these	1
17	The list L1 contains [1,"Show", 23,[2,4]] What will be the output of the following expression? print(L1[-1]) a. 4 b. [2,4] c. 1 d. Error in code	1
18	To create an empty tuple, we use a. d1 = () b. d1 = tuple() c. Both a or b d. None of these	1
SECTION B		
19	Rewrite the correct code and underline the corrections made. K=int(input("Enter number :: ")) F = 1 for I in K F * I print("F")	2
20	Given is a python dictionary declaration: M = {'A':'Apple', 'B':'Banana', 'C':'Carrot', 'D':'Dragon Fruit'} Write the output of print(M[0])	2
21	Write the output of the code given below: Cal = [1,4,7,5,7] Cal.append(10) print(Cal.pop())	2
22	Differentiate between interactive mode and script mode of python.	2
23	Write a program to input a number from the user. Calculate and print the factorial of the given number.	2
24	Predict the output of the Python code given below: L = [11,22,33,44,55,66] C = 5 for K in L: if K % 2 == 0: C = C + 2 else: continue print(C,end=' ')	2

25	What is the difference between while and for loop using example.	2																																			
SECTION C																																					
26	<p>Write the output of the queries (i) to (iv) based on the table, Stock given below:</p> <p>Table: stock</p> <table border="1"> <thead> <tr> <th>Pid</th> <th>PName</th> <th>Category</th> <th>Qty</th> <th>Price</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Keyboard</td> <td>IO</td> <td>15</td> <td>450</td> </tr> <tr> <td>2</td> <td>Mouse</td> <td>IO</td> <td>10</td> <td>350</td> </tr> <tr> <td>3</td> <td>Wifi-router</td> <td>NW</td> <td>5</td> <td>2600</td> </tr> <tr> <td>4</td> <td>Switch</td> <td>NW</td> <td>3</td> <td>3000</td> </tr> <tr> <td>5</td> <td>Monitor</td> <td>O</td> <td>10</td> <td>4500</td> </tr> <tr> <td>6</td> <td>Printer</td> <td>O</td> <td>4</td> <td>17000</td> </tr> </tbody> </table> <p>(a) select PName, Qty from stock where Price>3000 and qty<10; (b) select Pname , Category from stock where Pname like "M%"; (c) select Pid,Pname,Price where Catefory IN ("NW","O");</p>	Pid	PName	Category	Qty	Price	1	Keyboard	IO	15	450	2	Mouse	IO	10	350	3	Wifi-router	NW	5	2600	4	Switch	NW	3	3000	5	Monitor	O	10	4500	6	Printer	O	4	17000	3
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27	<p>T = (6,5,8,8,6,4,7,8) S = 0 for J in T: if J > 7: S = S + 1 print(S,end= ' ')</p>	3																																			
28	<p>Write the SQL commands on the basis of table: Book</p> <p>Table : Book</p> <table border="1"> <thead> <tr> <th>Book_ID</th> <th>Title</th> <th>Author</th> <th>Price</th> </tr> </thead> <tbody> <tr> <td>B001</td> <td>The Countess Conspiracy</td> <td>Courtney Milan</td> <td>350.00</td> </tr> <tr> <td>B002</td> <td>Sword of the Abyss</td> <td>Nalini Singh</td> <td>425.00</td> </tr> <tr> <td>R003</td> <td>Now You See Me</td> <td>S.J. Bolton</td> <td>NULL</td> </tr> <tr> <td>K012</td> <td>Say Yes to the Marquess</td> <td>Tessa Dare</td> <td>560.00</td> </tr> <tr> <td>R210</td> <td>Akata Witch</td> <td>Nnedi Okorafor</td> <td>110.00</td> </tr> </tbody> </table> <p>(a) Create the above table Book and mark Book_Id as primary key. (b) Add 50 in the price of all the books. (c) Remove the column Author from the table book.</p>	Book_ID	Title	Author	Price	B001	The Countess Conspiracy	Courtney Milan	350.00	B002	Sword of the Abyss	Nalini Singh	425.00	R003	Now You See Me	S.J. Bolton	NULL	K012	Say Yes to the Marquess	Tessa Dare	560.00	R210	Akata Witch	Nnedi Okorafor	110.00	3											
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29	Write a program to input a string from the user. Count and print word "he" present in the given string.	3																																			
30	Write a program to input 10 numbers in a list. Print the sum of all numbers ends with 5.	3																																			
SECTION D																																					
31	<p>Write the difference between the following:</p> <p>(a) Active and Passive Digital footprints (b) Plagiarism and Copyright Infringement</p>	5																																			
32	<p>T1 = (12,6,89,4,8,11,2) Consider the above tuple "T1" and write the functions for the following</p> <p>(a) print the length of the tuple T1 (b) print the first three values of the tuple. (c) Print the tuple T1 in the ascending order. (d) Print the sum of all values of the tuple T1 (e) Print the index of value 89 given in the tuple T1.</p>	5																																			

33	Write a program to create a dictionary named D input n names and mobile number from the user. Input another name from the user and search in the dictionary D. if the name found in dictionary print the corresponding mobile number otherwise print name not found in dictionary.	5
SECTION E		
34	Convert the following : (a) 100011_2 to decimal number (b) 114_8 to binary number (c) $1BD_{16}$ to octal number (d) 76_{10} to octal number	4
35	Write a program to print the following pyramid using nested loop. 1 1 2 1 2 3 1 2 3 4	4

WINTER BREAK ASSIGNMENT
SESSION (2024-25)
CLASS – XI
SUBJECT – ECONOMICS (030)

General Instructions:

7. All questions are compulsory.
8. The assignment includes all topic from April to December.
9. Last date of submission is 7 Jan 2025.
10. The assignment is attempted in class work registers.
11. The assignment is prepared on the pattern of annual exam 2025
12. Neatness and timely submission of assignment carries extra marks.

Q.NO.	SECTION A (40 marks)	MARKS
1.	Which is not a method to find arithmetic mean? a) Direct Method c) Step-deviation method b) Short-cut method d) Karl Pearson's method	1
2.	The range of simple correlation co-efficient is a) Zero to Infinity c) Minus Infinity to Infinity b) Minus One to plus One d) Zero to one	1
3.	If $r_{xy}=0$ then the variables X and Y are a) Linearly related b) Independent b) Not Linearly related d) None of these	1
4.	Relation between price and demand is: a) Positive c) No relationship b) Negative d) None of these	1
5.	Read the following hypothetical case study carefully and answers the Question numbers 5 – 8 on the basis of same. Statistical data can be obtained from two sources. Primary sources and Secondary sources. The investigator may collect the data by conducting an enquiry or an investigation. Such data are called primary data. If the data have already been collected and used by some other agency, they are called secondary data. They can be obtained either from published sources or from any other source, for example – a website. Where primary data is more accurate, on the other side, secondary data saves money, time and energy. The most common type of instrument used in collecting data is questionnaire. It is a set of questions related to statistical enquiry. While preparing a questionnaire, we should keep in mind the following	1

	<p>points.1. The number of questions should be minimum as possible. 2. The questions should be related to enquiry. 3. No mathematical /calculation question should be asked. 4. Pilot survey should be conducted before mass circulation.</p> <p>The data which is collected by investigator is called_____. (Primary data/ Secondary data.)</p>																								
6.	<p>Information from a magazine is the example of _____. (Primary data/Secondary data.)</p>	1																							
7.	<p>_____data are more reliable. (complete the sentence)</p>	1																							
8.	<p>Which amongst these is not a characteristic of a good questionnaire? a) Limited no. of questions b) Simple questions c) Mathematical questions d) Questions related to enquiry</p>	1																							
9.	<p>When we want to classify data in the numerical term, which method of classification of data is used? a) Qualitative classification b) Quantitative classification c) Chronological classification d) Conditional classification</p>	1																							
10.	<p>The frequency distribution for a variate X is as below:</p> <table border="1"> <tr> <td>X</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> <td></td> <td></td> </tr> <tr> <td>FREQUENCY</td> <td>2</td> <td>7</td> <td>14</td> <td>22</td> <td>30</td> <td></td> <td></td> </tr> </table> <p>What is the cumulative frequency for variate X = 5? a) 36 b) 44 c) 45 d) 52</p>	X	2	3	4	5	6			FREQUENCY	2	7	14	22	30			1							
X	2	3	4	5	6																				
FREQUENCY	2	7	14	22	30																				
11.	<p>Calculate median with the help of following data.</p> <table border="1"> <tr> <td>Marks of students</td> <td>0-10</td> <td>10-20</td> <td>20-30</td> <td>30-40</td> <td>40-50</td> </tr> <tr> <td>No. of students</td> <td>3</td> <td>4</td> <td>15</td> <td>6</td> <td>8</td> </tr> </table>	Marks of students	0-10	10-20	20-30	30-40	40-50	No. of students	3	4	15	6	8	3											
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No. of students	3	4	15	6	8																				
12.	<p>A) The mean of 14 numbers is 6. What will be the new mean if 3 is added to every number? B) The arithmetic mean of 40 numbers is 38. It was discovered '56' was taken as '36'. Determine the correct mean.</p>	$1\frac{1}{2} + 1\frac{1}{2}$																							
13.	<p>Draw Histogram and Frequency polygon with the help of following data.</p> <table border="1"> <tr> <td>WAGES</td> <td>0-20</td> <td>20-40</td> <td>40-60</td> <td>60-80</td> <td>80-100</td> </tr> <tr> <td>No. OF WORKERS</td> <td>28</td> <td>46</td> <td>54</td> <td>42</td> <td>30</td> </tr> </table> <p style="text-align: center;">Or</p> <p>Present the following data with the help of suitable diagram.</p> <table border="1"> <tr> <td rowspan="2">YEAR</td> <td colspan="3">PRODUCTION (In '000 tonnes)</td> </tr> <tr> <td>WHEAT</td> <td>RICE</td> <td>COTTON</td> </tr> <tr> <td>2014</td> <td>35</td> <td>22</td> <td>10</td> </tr> </table>	WAGES	0-20	20-40	40-60	60-80	80-100	No. OF WORKERS	28	46	54	42	30	YEAR	PRODUCTION (In '000 tonnes)			WHEAT	RICE	COTTON	2014	35	22	10	4
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	2015	15	25	16	
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	2016	40	12	20					
14.	Calculate the correlation coefficient between X and Y and give the analysis.				4				
	X	2	3	4	5	6	7	8	
	Y	-3	-2	-1	0	1	2	3	
15.	Find Mode from the following data by the use of Grouping and analysis table.				4				
	Marks	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80
	No. of students	4	10	25	15	23	22	12	3
16.	A) Define statistics and write the main features of statistics. B) 'The Government and policy makers use statistical data to formulate suitable policies of economic development.' Illustrate with two examples.				3+3				
17.	A) Given the following pairs of values of the variables X and Y:				3+3				
	X	1	2	3	4	5	6	7	8
	Y	11	12	15	20	24	18	26	29
	Make a scatter diagram. Comment on the nature of relationship between variables X and Y.								
	B) Find the coefficient of correlation between X and Y series from the data and analyse.								
	X	10	12	8	15	20	25	40	
	Y	15	10	6	25	16	12	8	
Q. NO.	SECTION B (40 marks)				MARKS				
18.	When output of a firm increases from 20 units to 22 units and Total Revenue increases from Rs.620 to Rs. 680 then Marginal Revenue is _____ a) Rs 10 b) Rs 30 c) Rs 40 d) Rs 20				1				
19.	Which of the following influences demand elasticity? a) Price level b) Nature of goods c) Income level d) All of these.				1				
20.	In the situation of excess Supply, market price tends to a) Rise b) Fall c) Remain constant d) None of these				1				
21.	Price ceiling refers to _____.				1				

22.	Total Production can decrease when marginal production is positive. State true or false.	1
-----	----------------------------------------------------------------------------------------------------	---

23.	Assertion(A): TFC curve is a vertical straight line parallel to the Y – axis. Reason (R): TFC remains same at all levels of output, even if the output is zero. a) Both (A) and (R) are true and (R) is the correct explanation of (A). b) Both (A) and (R) are true and (R) is not the correct explanation of (A). c) (A) is true but (R) is false. d) (A) is false but (R) is true.	1
24.	Under which market homogeneous products are found? (choose the correct alternative) a) Perfect Competition Market b) Monopoly Market c) Monopolistic Competition Market d) Oligopoly Market. OR Complementary goods have a _____ cross price elasticity. a) Positive b) Negative c) Zero d) Infinite	1
25.	Cause of upward movement along the supply curve of a commodity is: - a) Decrease in Price of a commodity b) Increase in Price of a commodity c) Increase in supply of a commodity d) Decrease in supply of a commodity	1
26.	If Marginal Cost is equal to Marginal Revenue at two output levels, then any one of the output level can be taken as state of producer’s equilibrium. State true or false.	1
27.	_____ is a quantitative combination of those bundles which a consumer can purchase from his given income at given prices. a) Budget line b) Budget set c) Budget bundle d) All of the above.	1
28.	Explain any three features of perfect competition market. OR Explain the concept of Price Floor or Minimum Support Price.	3
29.	A consumer consumes only two goods X and Y. Marginal utilities of X and Y are 3 and 4 respectively. Price of X and price of Y is Rs. 4 per unit. Is consumer in equilibrium? What will be further reaction of the consumer? Give reason.	3
30	Read the following hypothetical Case Study carefully and answer the questions on the basis of the same: Demand refers to various quantities of a commodity that all the buyers are willing to buy at given prices during a given period of time. Not only own price of a commodity but also many other factors also affect the demand of a commodity. Such as price of the related goods-there are two types of related goods 1. Substitute goods 2. Complementary goods. In these cases, change in the price of one good also affects the demand of related good. Income of the consumers- on the basis of income, there are two types of goods-normal good and inferior goods. Economists say that there are no inferior or normal goods. It depends on the income level of the consumer. One good may be inferior for one person but the same good may be normal for another person. Normal goods are those goods whose demand increases with an increase in the income of consumer and vice –	4

	<p>versa. Reverse happens in case of inferior goods. Taste and preference of the consumer, size of the population and government policy also affect the demand of a commodity which is known as determinants of demand.</p> <p>i) There is _____(Direct/Inverse) relationship between price of a commodity and its demand. (Choose the correct option)</p> <p>ii) If the price of X good rises, then the demand of Y good also rises then both goods are _____(Complementary/Substitute). (Choose the correct option)</p> <p>iii) Demand for inferior good rises due to _____(Fall/Rise) in the income of the consumer. (Choose the correct option)</p> <p>iv) Which of the following is not a determinant of demand of a commodity? a) Own price of a commodity b) Income of the consumer c) Nature of a commodity d) Size of population</p>	
31	What is the relation between Marginal cost and Average cost? Explain with the help of a diagram.	4
32	<p>A) What was the two-fold motive behind the systematic de-industrialization effected by the British in pre-independent India?</p> <p>B) Highlight any two features of India's pre – independence occupational structure</p>	2+2
33	<p>Explain any three properties of Indifference Curve.</p> <p style="text-align: center;">OR</p> <p>Define consumer equilibrium. Explain consumer Equilibrium under IC approach</p>	6
34	Define Production Function. Explain the Law of Variable Proportion with the help of schedule and diagram.	6




WINTER BREAK ASSIGNMENT
SESSION (2024-25)
CLASS – XI
SUBJECT-ENTREPRENEURSHIP (030)

General Instructions:

1. All questions are compulsory.
2. The assignment includes all topic from April to December.
3. Last date of submission is 7 Jan 2025.
4. The assignment is attempted in class work registers.
5. The assignment is prepared on the pattern of annual exam 2025
6. Neatness and timely submission of assignment carries extra marks.

1	<p>With the digitalization of economy, Paytm was one of the companies that gained huge success as there was increase in digital transactions. Here, the company grew due to industry chosen by its owner. Identify the myth of entrepreneurship that is contradicted here.</p> <ol style="list-style-type: none">a. Easy to startb. Finance is not easily availablec. Entrepreneur's talent is most importantd. Enterprises are financially sound.	1
2	<p>Harry works in a large MNC. The top management decided to assign Harry, a global project. He was given the full discretion to manage the project as the head like an entrepreneur. What is the concept referred in above case?</p> <ol style="list-style-type: none">a. Entrepreneurshipb. Intrapreneurshipc. Professional entrepreneurshipd. Business entrepreneurship	1
3	<p>Which of the following type of plan helps in communicating with the investors for procurement of finance-</p> <ol style="list-style-type: none">a. Organizational planb. Marketing planc. Business Pland. Production plan	1
4	<p>Derek owns an enterprise. He observed that his employees were lethargic and seemed disinterested in working. He decided to introduce a new scheme of incentives for his employees which would help in boosting the morale of employees. Determine the managerial function performed by Derek as an entrepreneur here.</p> <ol style="list-style-type: none">a. Supervisionb. Controllingc. Staffing	1

	d. Motivation	
5	<p>Manan has been an outstanding employee in a company from the past 15 years. During all these years, in spite of his best performance in the company, he still has not reached any top-level management post. Which need for Manan is not satisfied here?</p> <ol style="list-style-type: none"> Affiliation need Self-actualisation need Esteem need Security need 	1
6	<p>Which of the following type of feasibility study deals with the requirement of start-up capital and source of capital?</p> <ol style="list-style-type: none"> Technical feasibility Financial feasibility Organizational feasibility Market feasibility 	1
7	<p>Maureen is an entrepreneur running a store of designer clothes. To increase sales, she started promoting her business on social media and shared photos so as to make people aware about her designer clothes. What is the function performed by Maureen in the above case?</p> <ol style="list-style-type: none"> Planning Directing Supervision Marketing 	1
8	<p>Many big firms opt for choosing famous celebrities to promote their products and services. This also helps in influencing the behaviour of consumers. Highlight the source of attitude referred above.</p> <ol style="list-style-type: none"> Personal experience Influential persons Group associations Organisation strategy 	1
9	<p>Identify the way of generating the idea on the basis of the picture given below:</p> 	1

	<ul style="list-style-type: none"> a) Focus group b) Brain storming c) Creativity d) Market research 					
10	<p>John came up with a business idea. He conducted the investigation to know about the demand for product. For starting his business, he decided to examine different sources of funds so as to meet the financial requirements for his new enterprise. What is the type of entrepreneurial function being stated above?</p> <ul style="list-style-type: none"> a. Promotional function b. Managerial function c. Commercial function d. Entrepreneurial function 	1				
11	<p>For development of some backward regions, the government announced a scheme where entrepreneurs who will start business in these areas will be given tax benefits. Due to such incentives, Taran decided to start his business in such area. How can you classify Taran as?</p> <ul style="list-style-type: none"> a. Motivated entrepreneur b. Imitating entrepreneur c. Spontaneous entrepreneur d. Induced entrepreneur 	1				
12	<p>The importance of a feasibility study is judged in terms of-</p> <ul style="list-style-type: none"> a. Idea- Viability b. Growth c. Sustainability d. Strategic-planning 	1				
13	<p>Sheen thought of a business idea. She plans to make her idea work, but she has to perform certain tasks for making her idea work. What will be the first task that shall be performed by her?</p> <ul style="list-style-type: none"> a. Assembling b. Discovery of an idea c. Financing d. Investigation 	1				
14	<p>John owns a firm that is engaged in developing new games for smartphones. When a game is developed, John test the games and its visual features as he wants the best quality of the game’s visual. State the competency of an entrepreneur being discussed here.</p> <ul style="list-style-type: none"> a. Taking initiative b. Believing in quality work c. Being creative and innovative d. Planning 	1				
15	<table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">Column A</td> <td style="width: 50%;">Column B</td> </tr> <tr> <td>1. Structured discussion in which one idea leads to another conduct between groups of people.</td> <td>A. Opportunity assessment B. Brainstorming</td> </tr> </table>	Column A	Column B	1. Structured discussion in which one idea leads to another conduct between groups of people.	A. Opportunity assessment B. Brainstorming	1
Column A	Column B					
1. Structured discussion in which one idea leads to another conduct between groups of people.	A. Opportunity assessment B. Brainstorming					

	2. Technique in which the screening of large amount of information is done to detect emerging trends.	C. Marketing plan D. Environment scanning	
16	Rohit is an entrepreneur who developed a smartphone app. Initially, he gained profits, however the amount of profits were not stable and vary as per the business sales. Which limitation of entrepreneurship is highlighted here? a. Less benefits b. No regular income c. Staff not competent d. No schedule for work		1
17	Riya owns a company having 50 employees. She motivates her employees and encourages them to speak and give their honest opinions, suggestions and share views. The attitude shown by Riya here is _____. a. Strong work ethics b. Recover quickly from setbacks c. Accepting mistakes and taking criticism positively d. Coming out of comfort zone		1
18	Pick the odd one out: a. Information Collection b. Business Intelligence c. Smart mobility d. Social entrepreneurship.		1
19	A typical start up requires _____ minimum amount of capital to get going. a. Rs.1,50,000/- b. Rs.2,00,000/- c. Rs.50,000/- d. Rs.75,000/-		1
20	Experimenting with new ideas for example introduction of debit cards and credit cards in the banking sector exhibits which core value of an entrepreneur. a. Innovation and Creativity b. Independence or Self –Reliance c. Respect for work d. Quest for outstanding performance		1
21 Was the founder of Barefoot College, which promotes rural development through innovative education programs . a. Dr Verghese kurien b. Bunker Roy c. Harish Hande d. Vinobha Bhave		1
22	Differentiate between Intrapreneurship and entrepreneurship. Also give examples		2
23	In an entrepreneurship program held in the University, Parin presented an idea of a smart phone app that would capture the photo of hair products, cosmetics		2

	<p>or clothes and would tell users that from where they can buy such products at the lowest rates. An investor like the idea and asked her to present the same with a proper document that would state all the details regarding the commencement of a new enterprise.</p> <p>Identify the type of the document to be prepared by Parin and also list out the elements of the document so prepared</p>	
24	Why are the entrepreneurs called as the problem solvers ?	2
25	Rohan is currently studying MBA and wants to be an entrepreneur in future. His Father told him that entrepreneurship is not an easy profession and he should not have any misconceptions that it's easy to start a business. He also said that it will not be possible for him to get a loan from the bank. In the light of above statement, explain any two misconceptions related to entrepreneurship.	2
26	<p>Aarav and his friend Aryan developed a business idea of an online medical app that would provide information to people about symptoms, treatment, causes etc. of various diseases. However, they know that it is not an uncommon idea and they can probably face competition in the future or their idea can fail too, in case they don't have adequate funds. Before finalising their decision, they decided to assess their idea to be sure that it would not fail.</p> <p>Can you give reasons as to why the assessment of a business idea is important for Aarav and Aryan ?</p>	2
27	<p>Gunjan has just passed her senior secondary examination from a CBSE affiliated school. She wanted to start her own business but was unable to decide about the nature of the business. One day during the morning walk her grandfather fell down in the park and was injured. She observed that her grandfather often forgets to take his medicines. She thought that the same problem may be faced by other old people. She thought to develop an instrument for old people that could be fitted with an electronic device connected to the mobile phones of the members of their family which could indicate the location of the old people when they go outside their homes. This device could be kept in their pockets. She also thought to fit a timer in the instrument that could remind the old persons about the time of taking their medicines. Identify which function of an entrepreneur is Gunjan performing, and explain.</p>	3
28	<p>Entrepreneurial ethics is the moral principle that should guide entrepreneurs in their business dealings. An example of an ethical entrepreneur is Blake Mycoskie, the founder of TOMS Shoes. Through TOMS' "One for One" business model, for every pair of shoes purchased, a pair is donated to a child in need. Mycoskie prioritized social impact alongside profitability, demonstrating a commitment to social responsibility and addressing the needs of disadvantaged communities. This ethical approach has resonated with consumers and helped establish TOMS as a socially conscious brand. Keeping the above example in mind, explain any three importance of ethical entrepreneurship.</p>	3
29	<p>Farah decided to open a restaurant that would serve a combination of different food cuisines. Even though her idea was creative and different, still she was skeptical about whether it is a viable idea or not. To check the viability of the business idea, she consulted her friend, who advised her to analyse important aspects such as where she wants to set up her business, how much funds would be needed etc.</p>	3

	<p>a. Identify the type of analysis needed to be done by Farah?</p> <p>b. Why do you think such kind of analysis is important to know the viability of far as business idea? (2 points)</p>	
30	<p>Raman started a gym named as 'Strong Body'. He installed large number of machines and equipments of different types and appointed qualified trainers to help the customers in the use of machines. Initially he kept a low fee per hour so that boys and girls belonging to the poor families may also avail the facilities of the gym. Very soon his gym became popular and he started operating in three shifts. For this is appointed additional trainers. He also installed extra machines so that more customers could be enrolled. In one year he started earning good profit. He took a nearby building on rent and started a 'Recreation and Health Club' for the senior citizens of the locality on very nominal charges. He also encouraged young boys and girls to participate in the cleanliness drive started by Prime Minister. They agreed and started giving one hour daily for cleanliness of the nearby areas before opening of the 'strong body' gym and 'recreation club'.</p> <p>Explain four reasons that you can identify from above that supports the need for entrepreneurship.</p>	4
31	Compare and contrast an entrepreneur and an employee on the basis of motive, innovation, responsibilities and benefits accrued	4
32	Explain the tools of promotion mix.s	4
33	<p>Ciara was working as a hairdresser in a big salon. However, she was not happy with her job as she always dreams of living her own having her own business. She quit her job and decided to Smart Start a small salon. She also took advice from her friends regarding how she should start a business. One of my friends told her that to make a business successful she should follow a systematic process.</p> <p>What series of activities shall Ciara do to make a business successful?</p>	6
34	Which theory is based on the assumption that people are motivated by a series of five universal needs? Explain the theory's each of these needs through a diagram.	6
35	Explain the concept of marketing mix.	6



WINTER BREAK ASSIGNMENT

SESSION (2024-25)

SUBJECT – ENGLISH

CLASS- XI

General Instructions:

1. The assignment includes all topics covered from April – December.
2. The date of submission of this assignment is 07 January 2025
3. The assignment is to be attempted in classwork registers.
4. The assignment is prepared on the pattern of Annual Examination 2025.
5. Neatness & timely submission of assignments carries extra marks.

SECTION-A – READING SKILLS

(26 marks)

Q1. Read the following passage carefully and answer the questions that follow: (10 marks)

1. Panchayati Raj goes a long way in accomplishing community participation and empowering the marginalized and vulnerable in the hinterland through grassroots administrative institutions. Panchayati Raj Institutions (PRIs) play a predominant role in the delegation of power and resources to villages. The role of PRIs acquires crucial significance in the attainment of cherished ideals of good governance including Gram Swaraj and localization of Sustainable Development Goals (SDGs). Mahatma Gandhi deserves special mention for conceptualizing Panchayat Raj in India. He envisioned panchayats as a small self-sufficient republic that entails total participation of the people and equal opportunities for all. The 1993 amendment proved to be a catalyst in bringing more than 14.5 lakh women into leadership roles in the country's local governance. At present as many as 20 states have 50% seats reserved for women in their PRIs. States such as Karnataka are giving the much-needed impetus to women into governance with more than 50% women representation in PRIs. Since ages, the prerogative of men in politics and governance is slowly and steadily changing at the grassroots and women are at the forefront making their way in a field from which they have historically been excluded. To top it all, while the Covid crisis had disproportionate impact on women, in terms of increased vulnerability to job and income losses, and heightened burden of care work, women have shone through, as being the first responders in their roles as frontline health workers, and local leaders in PRIs and Self-Help Groups. Panchayat Palli in Jammu was selected for the Panchayati Raj Diwas event this year and an exhibition showcasing latest innovations was put up enabling farmers, the sarpanch and village heads to advance their income and their produce.

5. The need and demand for good governance is fuelled with rapid expansion of the economy as well as the growing awareness for proclamation of rights by the populace. PRI engagement is possibly the only existing mechanism to accomplish large-scale community participation to empower the marginalised and vulnerable, particularly women, children, and the poor. While the centre and the state government are together implementing various development programmes, it all boils down to PRIs to have a definite mandate for realisation of the goal towards improving the

quality of life in rural areas. To sum up in the words of Mahatma Gandhi, "When the Panchayat Raj is established, public opinion will do what violence can never do."

1.1 Based on your reading the passage, answer the following questions by choosing the best of the given options. (1x5=5)

a) Panchayati Raj Institutions have been formed for-

i) assigning excess power to villages

ii) assigning power and resources to villages

iii) taking away power and resources from villages

iv) converting villages into metropolitan cities

b) According to para-4, which of the options most appropriately describes the impact of Covid crisis on women in villages?

i) drastic fall in job opportunities ii) increased stress of care work

iii) outshone as first responders in roles as frontline health workers iv) all the above

c) Select the most suitable title for the above passage-

i) Gandhiji's vision for PRIs ii) Role of Women in PRIs

iii) Flagbearers of Participative Democracy iv) Central government Vs PRIs

d) Statement-A: Panchayat Palli in Jammu was selected for the Panchayati Raj Diwas event this year.

Statement-B: Exhibition showcasing latest innovations was put up to advance their income and their produce.

i) Both A and B are true and B is the correct explanation of A.

ii) Both A and B are true but B is NOT the correct explanation of A.

iii) A is true but B is false.

iv) A is false but B is true.

e) Select the option that conveys the opposite of 'catalyst'.

i) Adjuvant ii) agitator iii) stimulant iv) hindrance

1.2 Answer the following questions: (1x5=5)

f) In what way did Mahatma Gandhi try to attain localization of SDGs while conceptualising Panchayat Raj in India?

g) Comment on the role of women in the country's local governance after the amendment of 1993.

h) List two reasons for the requirement of good governance.

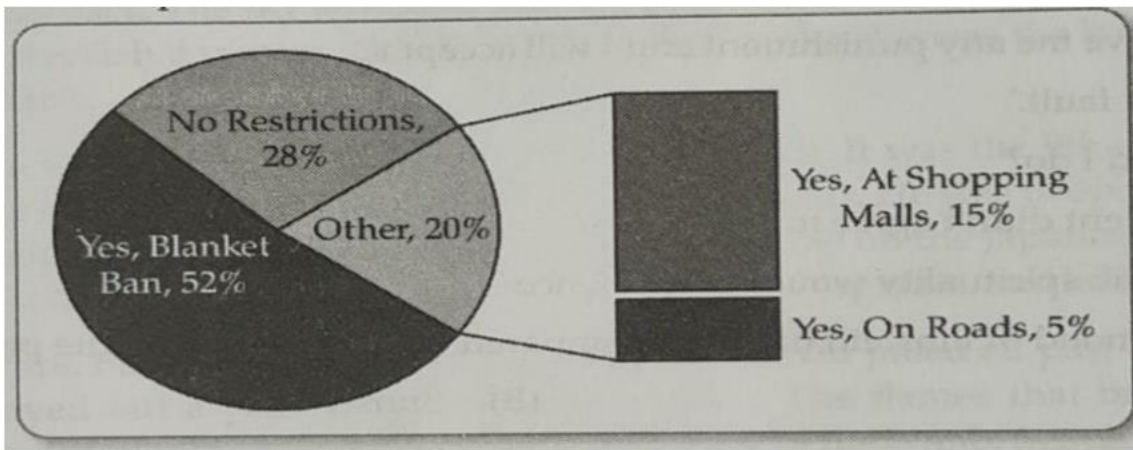
i) What do you understand by Gandhiji's belief as given in the last paragraph?

j) Find a word from the last paragraph which means the same as 'inhabitants'.

Q.2. Read the following passage carefully: (8 marks)

1. Most of us know that smoking causes cancer, lung disease, heart disease, and can shorten life by 10 years or more and can cost a smoker thousands of rupees a year. So, why are people still smoking? The answer, in a word, is addiction. Smoking is a hard habit to break because tobacco

contains the very addictive chemical- Nicotine. The body and mind quickly get used to the nicotine in cigarettes. Soon, a person needs to have it just to feel normal. People start smoking for different reasons. Some think it looks cool. Others start because their family members or friends smoke. Almost all adult tobacco users started before they were 18 years old. Most never expected to become addicted. Many of the chemicals in cigarettes, like nicotine and cyanide, are poisons that can kill in igh doses. The body is smart. It goes on the defence when it is being poisoned. First time smokers often feel pain or burning in their throat and lungs and some even cough vigorously the first few times when they try tobacco. Over time, smoking leads to health problems such as heart disease, stroke, lung damage and many types of cancer -including lung, throat, stomach and bladder cancer A survey was conducted to collect views of the people whether smoking should be allowed or not in public places. The results of the responses received have been depicted in the form of pie-chart here.



Answer the following questions, based on the passage above.

i. Which of these can be caused by smoking?


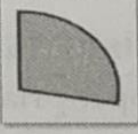
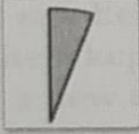
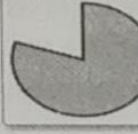
- a. Heart disease b. Cancer c. lung disease d. All of these

ii. Why is smoking as a habit, hard to leave?

iii. Which of these is the defence system that appears in first time smokers?

- a. Vomiting b. Burning in lungs c. Dizziness d. All of these

iv. From the given pictorial representation, choose the option that correctly states the percentage of persons who are of the view that smoking should be allowed on roads.

<p>(A) Option 1</p> 	<p>(B) Option 2</p> 
<p>(C) Option 3</p> 	<p>(D) Option 4</p> 

v. What is the meaning in which 'cool' has been used in Para 3 of the passage?
a. Chill b. Unfriendly c. Calm d. Stylish
Complete the given statement with one or two words:
vi. ----- contains an addictive substance called nicotine.
vii. ----- are the poisons that can kill in high doses.
viii. Which place has been approved for smoking by most people?
a. Shopping Mall b. Home c. Office d. Roads
Q.3. Read the passage given below and answer the questions that follow: (8marks)

1. Most of the Southern and Western States, and even the normally surplus States in the North-East, are now going through a major power crisis. Power generation has suffered because of poor hydel storage, thanks to a truant monsoon. Compounding the problem, States that usually come to the help of large consumers in such a predicament have themselves run into difficulties in thermal generation on account of vagaries in coal supply. As a result, States like Maharashtra, Andhra Pradesh, Karnataka and Kerala have to contend with a major shortage. In Tamil Nadu, there is no power cut, officially, but unscheduled load shedding is freely resorted to. At the national level, the gap between power generation and demand has been widening steadily, and it is due not a little to the persisting slippage in targeted addition to the generation capacity during the last two Plan periods. Power-deficit Andhra Pradesh and Kerala, which have been regularly buying power from the Central undertakings, could not do so this year because their neighbours, who are also in distress, happen to draw their full entitlement from the regional grid. Also, none of the power trading corporations has been able to make up the shortfall. The result: power outages, tripping, power cuts, and unscheduled load shedding for a few hours every day. . If the supply side of power position is thus beset with severe constraints, the demand side has its own quota of problems for the power managers and administrators. While the overall shortfall in electricity demand for the country is placed at 15-20 percent, the shortfall faced by several States in peak demand now is reported to range from 20 percent to 30 percent. Specifically, following the sharp rise in the price of diesel, there has been a big jump in demand from consumption by the farm sector. Confronted as they are with heightened difficulties on both supply and demand fronts, the State Electricity Boards are constantly working on contingency plans to tide over the crisis and fondly hoping that the monsoon will revive and fill the hydel reservoirs before long. The authorities would do well to use more purposefully the grid structure and the consultation mechanism that already exist. Some restrictive measures may be inevitable, but the least the consumers expect is transparency. Whether it is staggering supply, rotational load shedding or any other, prior intimation to the user-group will surely go some way in mitigating the hardships.

(a) On the basis of your reading the passage, make notes using recognisable abbreviations wherever necessary. Use a format you consider suitable, supply a suitable title. (5 marks)

(b) Make a short summary of the passage in about 80 words.

SECTION-B WRITING & GRAMMAR (23 marks)

Q.4. Abha/Abhay has a very good knowledge of all the tourist attractions in Delhi. He/she wants to work as a tourist guide. Draft a suitable advertisement for publication in the classified columns of a local daily. (3 marks)

OR

You want to sell your newly built flat. Draft a suitable advertisement in not more than 50 words to be published in the classified columns of the 'The Assam Tribune' giving all necessary details. You

are Niranjana of Nabin Nagar, Guwahati. Word Limit - 50 words.

Q.5. The Tourism Department of Rishikesh administration has launched an ambitious plan to develop adventure sports and eco-tourism activities in the state. Prepare a suitable poster for display at important public places / publication in newspapers.

OR

Publicly we proclaim that dowry is an evil. Privately we want our sons to fetch good dowries. Right from our school days we should be taught that demanding and even giving dowry is not only illegal but immoral too. Draw a poster in about 50 words, highlighting dowry as a curse. You are Vikram/Sonia. (3 marks)

Q.6. Migration from villages to cities has led to the increase of urban slums. People living in these slums lead miserable lives. Economic disparity leads to the problems of law and order. Write a debate on the topic, 'Solution to the problem of misery in the urban slums lies in creating jobs in the villages.' You are Navtej / Namita. Present the debate in about 130-150 words to be delivered in the morning assembly of your school. (5 marks)

OR

Although students have been using cell phones consistently in their daily lives for almost a decade, schools continue to resist allowing the devices into the classroom. Schools generally grapple with new technologies, but cell phones' reputation as a nuisance and a distraction has been hard to dislodge. Using the given information, prepare a debate in about 130-150 words in favour or against the topic 'Cell phones should be allowed in school.'

Q.7. A recent health check-up in your school revealed that many among your classmates were suffering from weak eyesight. You feel concerned. Write a speech in 130-150 words to be delivered in the morning assembly on how to protect your eyesight. Make use of the following clues

- reading in bad light--bad posture--wrong direction, from which light is coming
- excessive TV viewing--regular washing of eyes--eating more green vegetables
- enough sleep

Women play a crucial and integral role in the development and prosperity of the society. The government has provided a conducive atmosphere to make them self-reliant while ensuring their safety, self-respect and dignity. Write a speech in 130-150 words to be delivered in the morning assembly taking hints from the table given below. (5 marks)

Establishment Setup in Uttar Pradesh

1. Mission Shakti Cells

2. Women helpdesk in all 1584 police stations

3. Additional women police stations/ women outposts

4. Beti Bachao- Beti Padhao Yojana

5. 2.61 cr. toilets constructed under Swachh Bharat Mission

Q.8. Fill in the blanks with the appropriate options given below. Attempt any four:

(1×4=4 marks)

The newspaper recently (i)..... a report of a man in search of his newly born twins. The babies were missing from the hospital where his wife (ii)..... birth to them. The hospital authorities claimed that the babies (iii)..... but they refused to hand over(iv)..... bodies. Now, the unfortunate father (v).....a complaint with the police.

(i) (a) carries (b) is carrying (c) will be carried (d) carried

(ii) (a) has given (b) had given (c) will be given (d) giving

(iii) (a) to die (b) has died (c) is dying (d) had died

(iv) (a) theirs (b) her (c) his (d) their

(v) (a) to lodge (b) is lodging (c) has lodged (d) lodges

Q.9. Choose the correct options: (1x3=3 marks)

i) he/my/letter/received/must have/by/now.

(a) He must have received my letter by now.

(b) He must have now received by my letter.

(c) He must have received by now my letter.

(d) He by now must have received my letter.

ii). stories/he/wrote/few/that/romantic/very/ are/ the

(a) He wrote that the few stories are very romantic.

(b) The few stories that he wrote are very romantic.

(c) The few stories he wrote that are very romantic.

(d) He wrote the few stories that are very romantic.

iii). you/would/when/meet/her/she/know did not.

(a) She did not know when you would meet her.

(b) You did not know when would she meet her.

(c) You did not know when she would meet her.

(d) She did not know when would you meet he

SECTION-C- LITERATURE

(31marks)

Q.10. Read the given extracts carefully and answer the following questions. (3marks)

“ When did my childhood go?

Was it the time I realized that adults were not all they seemed to be,

They talked of love and preached of love,

But did not act so lovingly,

Was that the day!”

i. The trait of adults highlighted in the extract is-.....

ii. Which lines justify the following idiom--- ‘Actions speak louder than words.’

iii. Choose the poetic device used in the first line of the extract.

a. Simile b. Transferred epithet c. Personification d. Refrain

OR

“Then with the eerie delicate whistle chirrup whisperings

She launches away, towards the infinite.”

i) Identify the sound words in the given passage.

ii) What does infinite refer to?

a) space b) leaves c) sky d) water

iii) Who launches away?

a) a plane b) a boat c) a bird d) none of them

Q.11. Read the given passage and answer the questions that follow. (3marks)

A. The turns became sharper and the ride bumpier, I setan now in third gear as we continued to climb. The track moved away from the icy river, labouring through steeper slopes that sported big rocks daubed with patches of bright orange lichen.

i. Who is the author of these lines?

(a) Khushwant Singh (b) Nick Middleton (c) Terence Rattigan (d) Nani Palkhivala

ii. What was there beneath the rocks?

(a) Icy river (b) Hunks of snow (c) Orange lichen (d) Red roses

iii. Who was driving the car?

(a) The narrator (b) Tsetan (c) Nick Middleton (d) Kyang

OR

B. We protested. But she ignored our protests. She lay peacefully in bed praying and telling her beads. Even before we could suspect, her lips stopped moving and the rosary fell from her lifeless fingers.

i. Who is 'We' here?

(a) Author and his wife (b) Author and his friends
(c) Author and his family (d) The village people

ii. What had happened to her?

(a) Lost consciousness. (b) Went into delirium
(c) Died (d) None of these

iii. What does telling her beads mean?

(a) Chanting hymns (b) Talking to beads
(c) Distributing beads (d) Arranging beads in a necklace

Q.12. Read the given passage and answer the questions that follow: (4marks)

A. I rubbed it. My fingers grew warm from rubbing. I followed the lines of the pattern. Somewhere on the edge there should be a burn mark that had never been repaired. 'My mother'll be back soon, said the girl. I've already made tea for her. Will you have a cup? 'Thank you'

i. What was the author rubbing?

(a) Woollen cardigan (b) Silver fork (c) Woollen table cloth (d) Cloth elastic

ii. How did the narrator discover for certain that 'it was hers' ?

(a) Because of the fabric used (b) Because of its colour

OR

Describe what Gaitonde read about the battle of Panipat in the library of the Town Hall. What were the immediate consequences?

Q.16. Answer any one of the following questions in about 120-150 words: (6 x 1 = 6 marks)

'All's well that ends well' effectively summarizes the essence of the play 'Mother's Day'. Elucidate.

OR

Justify the title of the poem, "The Tale of Melon City".

WINTER BREAK ASSIGNMENT
SESSION (2024-25)
CLASS – XI
SUBJECT - FMM (805)

General Instructions:

1. The assignment includes all topics covered from April – December.
2. The date of submission of this assignment is 07 January 2025
3. The assignment is to be attempted in classwork registers.
4. The assignment is prepared on the pattern of Annual Examination 2025.
5. Neatness & timely submission of assignments carries extra marks

S.NO	SECTION A MCQs – 15 MARKS	MA RKS
1	What is the primary goal of financial marketing management? a) Increasing sales b) Reducing costs c) Maximizing profits d) Enhancing customer satisfaction	1
2	Which of the following is a financial marketing mix element? a) Product b) Price c) Promotion d) Place	1
3	What is the difference between a financial product and a financial service? a) A financial product is tangible, while a financial service is intangible. b) A financial product is intangible, while a financial service is tangible. c) A financial product is a loan, while a financial service is an investment. d) A financial product is an investment, while a financial service is a loan.	1
4	Which product is associated with Systematic Investment Plan a) Mutual Funds b) Shares c) Bonds d) All of the above	1
5	Which board plays a crucial role in the Indian financial system by regulating the securities market? a) RBI b) SEBI c) BCCI d) None of the above	1

6	<p>What is the primary reason for investing money?</p> <p>a) To keep savings idle</p> <p>b) To decrease the value of money</p> <p>c) To earn returns for future expenses</p> <p>d) To avoid inflation</p>	1
7	<p>According to the text, what is one of the important reasons for investing wisely?</p> <p>a) to increase the cost of living</p> <p>b) to decrease the return on investment</p> <p>c) to meet the cost of inflation</p> <p>d) to minimize the impact of compounding</p>	1
8	<p>What is the concept that increases income over time by accumulating principal and interest or dividends earned?</p> <p>a) Inflation</p> <p>b) Compounding</p> <p>c) Diversification</p> <p>d) Liquidity</p>	1
9	<p>According to Warren Buffet, when is the best time to start investing?</p> <p>a) In middle age</p> <p>b) In retirement</p> <p>c) As early as possible</p> <p>d) After accumulating a large sum of money</p>	1
10	<p>Which of the following is NOT one of the three golden rules for all investors? a)</p> <p>Invest early</p> <p>b) Invest regularly</p> <p>c) Invest for short term only</p> <p>d) Invest for long term</p>	1
11	<p>Which regulatory authority is responsible for protecting the interests of investors in securities in India?</p> <p>a) Department of Economic Affairs</p> <p>b) Reserve Bank of India</p>	1

	c) Securities and Exchange Board of India (SEBI) d) Department of Company Affairs	
12	What is the primary function of securities markets? a) To maximize inflation b) To promote financial illiteracy c) To provide a channel for buying and selling securities d) To discourage investments	1
13	Which of the following is NOT a long-term financial option available for investment? a) Public Provident Fund b) Post Office Monthly Income Scheme c) Company Fixed Deposits d) Savings Bank Account	1
14	What is the main index of the National Stock Exchange (NSE) in India? a) Dow Jones Industrial Average (DJIA) b) FTSE 100 c) Nifty 50 d) SENSEX	1
15	Which regulatory authority is responsible for protecting the interests of investors in securities in India? a) Department of Economic Affairs b) Reserve Bank of India c) Securities and Exchange Board of India (SEBI) d) Department of Company Affairs	1
	SECTION B – 20 MARKS	
17	Why should one invest in capital market? Explain.	2
18	What are various Short-term financial options available for investment?	3
19	What is Initial Public Offer? Explain.	3
20	What is a Debt Instrument?	3
21	Explain the concept of Derivatives.	3
22	What is dematerialization? Explain the concept.	3

23	'Market investments are subject to market risks, read all scheme related documents carefully before investing' 'this disclaimer belongs to which concept? Explain the concept in detail.	3																																																		
SECTION C- 25 MARKS																																																				
24	Explain the different kinds of issue.	5																																																		
25	What are various Long-term financial options available for investment?	5																																																		
26	How does an investor get access to internet based trading facility?	5																																																		
27	<p>Calculate the following ratios:</p> <p>Current ratio</p> <p>Quick ratio</p> <p>Inventory turnover ratio</p> <p>Gross profit ratio</p> <p>Net profit ratio</p> <p>Inventory turnover ratio</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">Liabilities</th> <th style="width: 15%;">Amount</th> <th style="width: 25%;">Assets</th> <th colspan="2" style="width: 35%;">Amount</th> </tr> </thead> <tbody> <tr> <td>Share Capital</td> <td>16.00</td> <td>Fixed Assets (net)</td> <td></td> <td>60.00</td> </tr> <tr> <td>(1,00,00,000 equity shares of Rs.10 each)</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Reserves & Surplus</td> <td>22.00</td> <td>Current Assets:</td> <td></td> <td>23.40</td> </tr> <tr> <td>Secured Loans</td> <td>21.00</td> <td>Cash & Bank</td> <td>0.20</td> <td></td> </tr> <tr> <td>Unsecured Loans</td> <td>25.00</td> <td>Debtors</td> <td>11.80</td> <td></td> </tr> <tr> <td>Current Liabilities & Provisions</td> <td>16.00</td> <td>Inventories</td> <td>10.60</td> <td></td> </tr> <tr> <td></td> <td></td> <td>Pre-paid expenses</td> <td>0.80</td> <td></td> </tr> <tr> <td></td> <td></td> <td>Investments</td> <td></td> <td>16.60</td> </tr> <tr> <td>Total</td> <td>100</td> <td>Total</td> <td></td> <td>100</td> </tr> </tbody> </table>	Liabilities	Amount	Assets	Amount		Share Capital	16.00	Fixed Assets (net)		60.00	(1,00,00,000 equity shares of Rs.10 each)					Reserves & Surplus	22.00	Current Assets:		23.40	Secured Loans	21.00	Cash & Bank	0.20		Unsecured Loans	25.00	Debtors	11.80		Current Liabilities & Provisions	16.00	Inventories	10.60				Pre-paid expenses	0.80				Investments		16.60	Total	100	Total		100	5
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Particulars	Amount	Particulars	Amount
Opening Stock	13.00	Sales (net)	105.00
Purchases	69.00	Closing Stock	15.00
Wages and Salaries	12.00		
Other Mfg. Expenses	10.00		
Gross Profit	16.00		

28	Explain the concept of mutual funds in detail.	5
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WINTER BREAK ASSIGNMENT
SESSION (2024-25)
SUBJECT – FOOD PRODUCTION
CLASS- XI

General Instructions:


1. The assignment includes all topics covered from April – December.
2. The date of submission of this assignment is 07 January 2025
3. The assignment is to be attempted in classwork registers.
4. The assignment is prepared on the pattern of Annual Examination 2025.
5. Neatness & timely submission of assignments carries extra marks.

SECTION –A- OBJECTIVE TYPE QUESTIONS

Q. 1	Answer any 4 out of the given 6 questions on Employability Skills	(1 x 4 = 4 marks)
i	Which of the following method is used to receive information from the sender? (a) Listening (b) Speaking (c) Telling	1

	(d) Writing	
ii	Which of these is a positive (good) facial expression? (a) Staring hard (b) Nodding while listening (c) Wrinkled forehead (d) Looking away from the speaker	1
iii	What does an upright (straight) body posture convey or show? (a) Shyness (b) Fear (c) Confidence (d) Intelligence	1
iv	You have been standing in a queue for a long time to buy tickets for a movie. A man suddenly comes and stands in front of you, out of turn. What should you do? (a) Scream at the person so that he never repeats the mistake (b) Inform him politely that there is a queue and everyone is waiting for their turn (c) Stay quiet and let the person go ahead (d) Not say anything directly but complain about him to other people	1
v	What is a sentence? (a) A group of ideas that forms a complete paragraph. (b) A group of words that communicates a complete thought. (c) A set of rules that we must follow to write correctly. (d) A set of words that contains all the basic punctuation marks.	1
vi	One of your friends is taking a leave and wants you to tell the teacher that he is sick. What should you tell your friend? (a) Yes, I can do that. (b) No, I cannot do that because I don't want to lie to the teacher. (c) I understand that you want to take leave but why don't you tell the correct reason? (d) No. I cannot help you.	1

Q. 2	Answer any 5 out of the given 7 questions	(1 x 5 = 5 marks)
i.	Even after all the diversity, the entire hospitality industry is unified by one single factor – _____ a) Profit b) Customer Satisfaction c) Social work d) None of the above	1
ii.	A _____ kitchen is responsible for catering to a large number of guests. The menu lists more than fifty dishes. a) Commercial b) Non profit c) Satellite kitchens d) Cloud kitchens	1
iii.	A _____ is worn over chef coat to protect the belly area of the body which is likely to touch work table / food and is nearest to	1

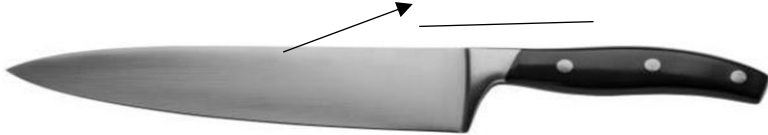
	heat while working on gas range. a) Chef's apron b) Neckerchief c) Chef's scarf d) Dish cloth	
iv.	The layout of each Specialization kitchen varies considering the kind of _____ to be processed and _____ required for preparing special dishes	1
v.	Identify the equipment 	1
vi.	_____ hygiene is about keeping our body clean from head to toe. a) workplace hygiene b) Personal c) food handling d) None of the above	1
vii.	The time during which the ingredient can be stored and used safely is called _____ of a product. a) Shelf Life b) Danger Zone c) Pilferages d) Perishable	1

Q. 3	Answer any 6 out of the given 7 questions	(1 x 6 = 6 marks)
i	This department deals with cleaning of guest rooms and public areas, decorations, flower arrangements a) Food and Beverage b) Financial c) Housekeeping operations d) Front office	1
ii	The double doors are designated on left side to _____ and right side to _____ always to prevent collision. a) Enter, exit b) Exit and Enter c) None of the above d) Both a and b	1
iii	What qualities should a Safety shoe of a chef have?	1
iv	Mixers, grinders, juicers are classified as _____ equipment. a) Medium size	1

	b) Large size c) Small size d) Manual	
v	State the full form of FIFO.	1
vi	The Danger Zone is roughly _____ a) 5°C to 60°C. b) 8 C to 60 C c) 5 C to 65 C d) 3 C to 65 C	1
vii	Extra care must be taken to store Seafood. Why?	1

Q. 4	Answer any 5 out of the given 6 questions	(1 x 5 = 5 marks)
i	Which department of hotel is responsible to sell rooms or banquets, take function bookings, to promote hotel sale by approaching clientele / companies, offering discounts etc. a) Sales & Marketing b) Hotel Engineering c) Kitchen Stewarding d) Human Resource	1
ii	_____ is a section which is responsible for preparing fermented baked breads like pastries, cakes. a) Cold Kitchen b) Commissary c) Bakery d) Larder	1
iii	What is the other name of Larder section of a kitchen?	1
iv	_____ knives is safe to use, does not rust but is difficult to keep sharp for a long time. a) Stainless steel b) Carbon steel c) Palette d) Ceramic	1
v	Why a chef coat is double breasted buttoned coat?	1
vi	Eggs, milk and milk products should be stored in the refrigerator at a temperature between _____. a) 1°C to 4°C b) 3°C to 6°C c) 3°C to 4°C d) 1°C to 6°C	1

Q. 5	Answer any 5 out of the given 6 questions	(1 x 5 = 5 marks)
------	-------------------------------------------	-------------------

i	_____ is the specialised field which usually combines pleasure and business a) Time share holidays b) MICE c) Serviced apartments d) Cruise lines	1
ii	Some hotels have a separate section altogether to clean and cut vegetables and fruits. This section is called _____ a) Commissary b) Cold Kitchen c) Bakery d) Larder	1
iii	The temperature range in which food-borne bacteria can grow is known as the _____ Zone.	1
iv	The _____ department is responsible for always keeping the kitchen and kitchen equipments clean. They also empty out the garbage bins from time to time. a) kitchen stewarding b) Show Kitchen c) Butchery d) Main Kitchen	1
v	Identify the highlighted part in the given picture of a knife.  a) Spine b) Bolster c) Butt d) Point	1
vi	Food stuffs that are subject to decay or spoilage are called _____. a) Perishable product b) Non-Perishable product c) Semi perishable product d) None of the above	1

Q. 6	Answer any 5 out of the given 6 questions	(1 x 5 = 5 marks)
i	Time share is a concept which is also popular by the name of _____ a) Travel agency b) Transport sector c) Retail sector d) vacation ownership	1

ii	What is the purpose of keeping Dish cloth tucked into apron?	1								
iii	Name one large size Fuel operated equipment.	1								
iv	List any two safety rules to be followed in a kitchen while dealing with raw food.	1								
v	An all purpose knife for cutting and chopping. It is available in various sizes. a) Filleting knife b) Chef knife c) Cleaver d) Palette knife	1								
vi	Match the following <table border="1" style="margin-left: 40px;"> <tr> <td>Food items</td> <td>Storage</td> </tr> <tr> <td>Potatoes, Garlic</td> <td>Cool and dry place</td> </tr> <tr> <td>Ice-creams</td> <td>Stored at about -18°C</td> </tr> <tr> <td></td> <td></td> </tr> </table> Choose the correct options a) A i, B ii b) A ii, B i	Food items	Storage	Potatoes, Garlic	Cool and dry place	Ice-creams	Stored at about -18°C			1
Food items	Storage									
Potatoes, Garlic	Cool and dry place									
Ice-creams	Stored at about -18°C									

SECTION B -SUBJECTIVE TYPE QUESTIONS

Answer the following question on Employability Skills in 20-30 words each.(2 x 3 = 6 M)

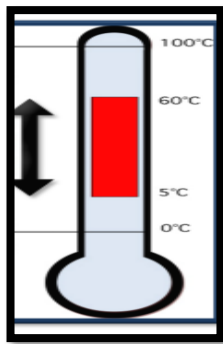
Q7.	Write two lines you would use to introduce yourself.	2
Q8	What are close-ended questions? Give one example.	2
Q9	Put a X mark against the actions below which are bad for non-verbal communication. • Scratching head • Nodding when you agree with something. • Standing straight • Yawning while listen	2

Answer any 3 out of the given 5 questions in 20 – 30 words each (2 x 3 = 6 marks)

Q10	List down any four facilities provided by a five star hotel.	2
Q11	Why is it important to divide the hotel kitchen in sections?	2
Q12	List any four Workplace hygiene safety rules to be followed while working in a kitchen.	2
Q13	Why a food service consultant must accurately estimate the capacity of each of the various types of kitchen equipment to be used.	2
Q14	How will you store dry ingredients like cereals, pulses?	2

Answer any 2 out of the given 3 questions in 30– 50 words each (3 x 2 = 6 marks)

Q15	What skill do you think a person should have while working in the fast food segment.	3
Q16	Name the four sections a large commercial kitchen can be divided into.	3
Q17	Study the diagram given below and explain.	3



Answer any 3 out of the given 5 questions in 50– 80 words each (4 x 3 = 12 marks)

Q18	A. Write the aims and objectives of cooking food. B. List the colour pigments found in vegetables and fruits. Tabulate the correct way of boiling the different coloured vegetables.	4
Q19	Differntiate between the following: a) Conduction and Convection b) Boiling and Simmering	4
Q20	Describe various parts of Chef’s uniform.	4
Q21	Write a note on use, care and precautions for all the electrical equipment in a kitchen.	4
Q22	Ravi wrote a long document for his research and gave it to his professor. He wanted his professor to review only the ‘Field Study’ section of the document. How does he easily and correctly tell his professor where to find the ‘Field Study’ section? a) (a) Tell him that it is somewhere in the middle of the document b) (b) Type in the page number in each page manually and tell him the page number c) (c) Insert page number in the footer and tell him the page number	4

END OF PAPER



WINTER BREAK ASSIGNMENT

SESSION (2024-25)

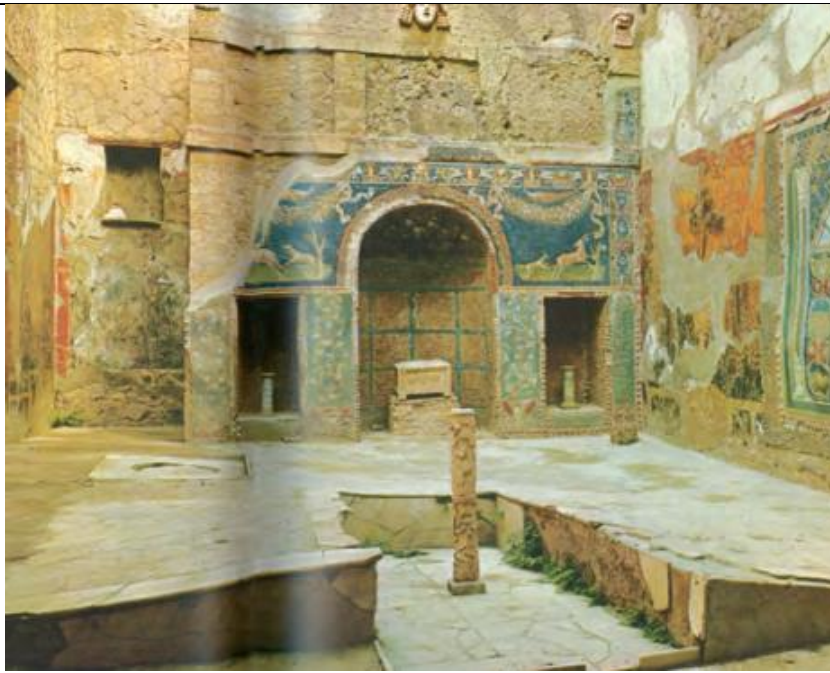
SUBJECT – HISTORY

CLASS- XI

General Instructions:

- 1. The assignment includes all topics covered from April – December.**
- 2. The date of submission of this assignment is 07 January 2025**
- 3. The assignment is to be attempted in classwork registers.**
- 4. The assignment is prepared on the pattern of Annual Examination 2025.**
- 5. Neatness & timely submission of assignments carries extra marks.**

Section A		1
1)	When was Meiji Constitution of 1889 replaced by a new constitution? a) 1905 b) 1911 c) 1943 d) 1947	
2)	Mesopotamia is in modern _____. a) Iran b) Syria c) Egypt d) Iraq _____ family was considered as the norm in Mesopotamian society. a) Nuclear b) Joint c) Compound d) All of these	
3)	Identify the given image from the following options:	



- a) Amphitheatre at Vindonissa
- b) Wine merchant's dining room in Pompeii
- c) Pont du Gard, near Nimes, France
- d) Shops in Forum Julium, Rome

4)	<p>Assertion (A): Next to the emperor and the Senate, the other key institution of imperial rule was the army and the army hated and feared the senate. Reason (R): Army was a source of often unpredictable violence, especially in the tense conditions of the third century when the government was forced to tax more heavily to pay for its mounting military expenditures.</p> <ul style="list-style-type: none"> a) Both A and R are true and R is the correct explanation of A. b) Both A and R are true but R is not the correct explanation of A. c) A is true but R is false. d) A is false but R is true. 	
5)	<p>What was the period of Guyuk's reign?</p> <ul style="list-style-type: none"> a) 1246 to 1248 b) 1247-1249 c) 1246 to 1270 d) 1236-1246 	
6)	<p>Assertion (A): The name Mesopotamia is derived from the Greek words mesos and potamos. Reason (R): Mesopotamia is the land between three main rivers- Great Zab, Euphrates and the Tigris rivers.</p> <ul style="list-style-type: none"> a) Both A and R are true and R is the correct explanation of A. b) Both A and R are true but R is not the correct explanation of A. c) A is true but R is false. d) A is false but R is true. 	
7)	<p>Identify an anthropologist with the help of following information He composed a lecture on The Great Australian Silence.</p>	

	<p>He condemned historians for not making any records of aborigines.</p> <p>a) W.E.H. Stanner b) Henry Reynolds c) James Cook d) Judith wright</p>							
8)	<p>Where did Feudalism take her roots?</p> <p>a) England b) France c) Germany d) Italy</p>							
9)	<p>Consider the following statements and select the correct from the following option:</p> <p>Ur was a town whose ordinary houses were systematically excavated in the 1930s.</p> <p>Narrow winding streets in Ur indicate that wheeled carts could not have reached many of the houses.</p> <p>Narrow winding streets and the irregular shapes of house plots in Ur indicate a perfect town planning.</p> <p>a) i and iii b) ii and iii c) i, ii and iii d) i and ii</p>							
10	<p>Find out the correct chronological order from the following options:</p> <p>Brunelleschi designs the Duomo in Florence Geoffrey Chaucer's Canterbury Tales published University established in Florence Ottoman Turks defeat the Byzantine ruler of Constantinople</p> <p>a) iv, ii, i, iii b) i, ii, iii, iv c) iii, ii, i, iv d) ii, iii, iv, i</p>							
11	<p>When was treaty of Shimonoseki signed?</p> <p>a) 1897 b) 1890 c) 1893 d) 1895</p>							
12	<table border="1"> <thead> <tr> <th>List I</th> <th>List II</th> </tr> </thead> <tbody> <tr> <td>(A) Thomas More's</td> <td>Ninety-Five Theses</td> </tr> <tr> <td>(B) Martin Luther</td> <td>Utopia</td> </tr> </tbody> </table>	List I	List II	(A) Thomas More's	Ninety-Five Theses	(B) Martin Luther	Utopia	
List I	List II							
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(B) Martin Luther	Utopia							

	<table border="1"> <tr> <td>(C) Isaac Newton</td> <td>Principia Mathematica</td> </tr> <tr> <td>(D) Andreas Vesalius</td> <td>The Social Contract</td> </tr> </table> <p>Which among the following is Correctly matched?</p> <p>a) Option (D) b) Option (B) c) Option (C) d) Option (A)</p>	(C) Isaac Newton	Principia Mathematica	(D) Andreas Vesalius	The Social Contract	
(C) Isaac Newton	Principia Mathematica					
(D) Andreas Vesalius	The Social Contract					
13	<p>Who collected taille?</p> <p>a) The Priest b) The Nobles c) The Peasantry d) The King (Monarch)</p>					
14	<p>Edo is now called _____.</p> <p>a) Tokyo b) Singapore c) Hong-Kong d)Shanghai</p>					
15	<p>Roman Empire was seized by _____.</p> <p>a) Arabian b) Egyptian Empire c) Mesopotamians d) Sassadians</p>					
16	<p>Who defeated Sung ruler of southern China?</p> <p>a) Churk Buka b) Qubilai Khan c) Arik Buka d) Toluy</p>					
17	<p>Assertion (A): In the reign of Louis XIII of France, a meeting was held of the French consultative assembly. After this, it was not summoned again for nearly two centuries, till 1789.</p> <p>Reason (R): The first order i.e. clergy did not want to share power with the three orders.</p> <p>a) Both A and R are true and R is the correct explanation of A. b) Both A and R are true but R is not the correct explanation of A. c) A is true but R is false. d) A is false but R is true.</p>					
18	<p>Which of these statement is false about Cicero?</p> <p>a) He was Roman essayist b) He was Roman laywer c) He was contemporary to Julius Ceasar</p>					

	d) He was a British officer											
19	<p>Match the following and select the correct option</p> <table border="1"> <thead> <tr> <th>List I</th> <th>List II</th> </tr> </thead> <tbody> <tr> <td>1. 1603</td> <td>A. Tokugawa Ieyasu establishes the Edo shogunate</td> </tr> <tr> <td>2. 1868</td> <td>B. Korea annexed</td> </tr> <tr> <td>3. 1889</td> <td>C. Meiji Constitution enacted</td> </tr> <tr> <td>4. 1910</td> <td>D. Restoration of Meiji</td> </tr> </tbody> </table> <p>a) 1 – a, 2 – d, 3 – c, 4 – b b) 1 – b, 2 – c, 3 – d, 4 – a c) 1 – c, 2 – b, 3 – d, 4 – a d) 1 – d, 2 – a, 3 – b, 4 – c</p>	List I	List II	1. 1603	A. Tokugawa Ieyasu establishes the Edo shogunate	2. 1868	B. Korea annexed	3. 1889	C. Meiji Constitution enacted	4. 1910	D. Restoration of Meiji	
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1. 1603	A. Tokugawa Ieyasu establishes the Edo shogunate											
2. 1868	B. Korea annexed											
3. 1889	C. Meiji Constitution enacted											
4. 1910	D. Restoration of Meiji											
20	<p>It laid the foundation for the prosperity of Australia:</p> <p>a) Agriculture b) Fishing Industry c) Mining Industry d) Construction industry</p>											
Section B		3										
21	<p>Discuss the main features of European feudalism. OR Describe the merits and demerits of feudal system.</p>											
22	<p>What were the chief objectives of the Reformation Movement?</p>											
23	<p>Suppose the emperor Trajan had actually managed to conquer India and the Romans had held on to the country for several centuries. In what ways do you think India might be different today?</p>											
24	<p>Why did the Guomindang despite its attempts to unite China fail?</p>											
25	<p>Division of labour is one of the important features of urban life. Explain it with example.</p>											
26	<p>What was the significance of the southern region of the Mesopotamia? OR How did Mesopotamians write?</p>											
Section C		8										
27	<p>Which favourable conditions encouraged Genghis Khan to launch an expedition against the Muhammad Shah of Khwarazm? OR What do you know about Ogodei? Write his achievements in brief.</p>											

28	Discuss the causes of the decline of the Shoguns. OR What arrangements were given in favour and against Japan's opening to the outer world?	
29	Explain the role of Gold Rush in economic and political expansion of America. OR Why did white Americans feel sympathy for the natives who simultaneously denied the benefits of citizenship?	
	Section D	4
30	Read the following text carefully and answer the questions that follow: Formal education was not the only way through which humanists shaped the mind of their age. Art, architecture and books were wonderfully effective in transmitting humanist ideas. Artists were inspired by studying works of the past. The material remains of Roman culture were sought with as much excitement as ancient text: a thousand years after the fall of Rome, fragments of art were discovered in the ruins of ancient Rome and other deserted cities. Their admiration for the figures of perfectly proportioned men and women sculpted so many centuries ago, made Italian sculptors want to continue that tradition. In 1416, Donatello (1386-1456) broke new ground with his life-like statues. Artists' concern to be accurate was helped by the work of scientists. A. Besides education, in what other ways did the humanists shape the minds of their age? (1) B. Examine the sentence: Artists concern to be accurate was helped by the work of scientists. (1) C. What was the source of inspiration for the artists? (2)	
31	Read the following text carefully and answer the questions that follow: Slavery was an institution deeply rooted in the ancient world, both in the Mediterranean and in the Near East, and not even Christianity when it emerged and triumphed as the state religion (in the fourth century) seriously challenged this institution. It does not follow that the bulk of the labour in the Roman economy was performed by slaves. That may have been true of large parts of Italy in the Republican period (under Augustus there were still 3 million slaves in a total Italian population of 7.5 million) but it was no longer true of the empire as a whole. Slaves were an investment, and at least one Roman agricultural writer advised landowners against using them in contexts where too many might be required (for example, for harvests) or where their health could be damaged (for example, by malaria). These considerations were not based on any sympathy for the slaves but on hard economic calculation. On the other hand, if the Roman upper classes were often brutal towards their slaves, ordinary people did sometimes show much more compassion. See what one historian says about a famous incident that occurred in the reign of Nero. As warfare became less widespread with the establishment of peace in the first century, the supply of slaves tended to decline and the users of slave labour thus had to turn either to slave breeding or to cheaper substitutes such as wage labour which was more easily dispensable. In fact, free labour was	

	<p>extensively used on public works at Rome precisely because an extensive use of slave labour would have been too expensive. Unlike hired workers, slaves had to be fed and maintained throughout the year, which increased the cost of holding this kind of labour. This is probably why slaves are not widely found in the agriculture of the later period, at least not in the eastern provinces. On the other hand, they and freedmen, that is, slaves who had been set free by their masters, were extensively used as business managers, where, obviously, they were not required in large numbers. Masters often gave their slaves or freedmen capital to run businesses on their behalf or even businesses of their own.</p> <p>A. Infer the reason for the decline in the supply of trade in the first century. (1)</p> <p>B. Prudent landowners gradually switched over to slave breeding or hiring paid laborers. What is slave breeding? (1)</p> <p>C. Why were the landowners advised against using slaves where too many of them were required? (2)</p>	
32	<p>Read the following text carefully and answer the questions that follow: Because of the inadequacy which we often felt on feast days, for the narrowness of the place forced the women to run towards the altar upon the heads of the men with much anguish and noisy confusion, [we decided] to enlarge and amplify the noble church... We also caused to be painted, by the exquisite hands of many masters from different regions, a splendid variety of new windows... Because these windows are very valuable on account of their wonderful execution and the profuse expenditure of painted glass and also a goldsmith... who would receive their allowances, namely, coins from the altar and flour from the common storehouse of the brethren, and who would never neglect their duty, to look after these [works of art]. -Abbot Suger (1081-1151) about the Abbey of St Denis, near Paris.</p> <p>A. Why was it decided to enlarge and amplify the noble Church? (1)</p> <p>B. With what names, the big churches were called? (1)</p> <p>C. Why were an official master craftsman and a goldsmith appointed in the big churches? (2)</p>	
Section E		5
33	<p>On the given map of Britain, locate and label the industrial areas with appropriate symbols: Glasgow Newcastle Nottingham OR Leicester</p>	



34

On the given map, three places have been marked as A and B which are associated with human habitation in Australia in the early period. Identify any two of them and write their correct names on the lines marked near them.





WINTER BREAK ASSIGNMENT
SESSION (2024-25)
SUBJECT – LEGAL STUDIES (074)
CLASS- XI

General Instructions:

1. The assignment includes all topics covered from April – December.
2. The date of submission of this assignment is 07 January 2025
3. The assignment is to be attempted in classwork registers.
4. The assignment is prepared on the pattern of Annual Examination 2025.
5. Neatness & timely submission of assignments carries extra marks.

1	Multiple choice questions: Assertion (A):Marriage under Hindu law is considered a sacrament rather than a contract. Reason (R):The Hindu Marriage Act, 1955, emphasizes the solemnization of marriage through religious rites and ceremonies. a. Both A and R are true, and R is the correct explanation of A. b.Both A and R are true, but R is not the correct explanation of A. c.A is true, but R is false. d.A is false, but R is true.	1
2	A Hindu woman marries a man who is already married and later discovers the first marriage was not dissolved. She seeks to nullify her marriage. Which condition of the Hindu Marriage Act, 1955, does this situation violate? a. Mental capacity of the parties b.Prohibited degrees of relationship c.Bigamy d.Customary practices	1
3	Which landmark judgment declared the practice of triple talaq unconstitutional in India? a. Keshavananda Bharati v. State of Kerala b.Vishaka v. State of Rajasthan c.Shayara Bano v. Union of India d.Mohd. Ahmed Khan v. Shah Bano Begum	1
4	A child is found to have been sexually abused by a family member. The child is traumatized and the family decides to keep the incident quiet. However, a neighbor reports the case to the authorities. Which law protects the child in this situation? a.The Child Labour (Prohibition and Regulation) Act, 1986 b.The Protection of Children from Sexual Offences (POCSO) Act, 2012 c.The Juvenile Justice Act, 2015 d.The Prohibition of Child Marriage Act, 2006	1

5	<p>Which Indian Constitutional article guarantees free and compulsory education to children?</p> <p>a.Article 45 b.Article 21A c.Article 19 d.Article 32</p>	1
6	<p>Assertion:The Hindu Succession Act, 1956, applies only to Hindus and not to other religions like Muslims and Christians. Reason:The Hindu Succession Act, 1956, is a personal law that governs the inheritance and succession of Hindus, Sikhs, Buddhists, and Jains.</p> <p>a. Both assertion and reason are correct, and the reason is the correct explanation of the assertion. b.Both assertion and reason are correct, but the reason is not the correct explanation of the assertion. c.The assertion is correct, but the reason is incorrect. d.The assertion is incorrect, but the reason is correct.</p>	1
7	<p>Which of the following is covered under the definition of sexual harassment in the Sexual Harassment of Women at Workplace (Prevention, Prohibition, and Redressal) Act, 2013?</p> <p>a.Inappropriate comments or gestures of a sexual nature b.Discrimination based on gender c.Violence between married couples d.Verbal abuse in a public space</p>	1
8	<p>Anu went on a holiday to Dubai with some of her friends. While enjoying her vacation she noticed a boy following them and video taping everything that the girls did. Anu,after talking to her friends,goes to the police. What will be the charge against this crime in India? a. Cyber Bullying b.Video voyeurism c.Computer trespassing d.Mail fraud</p>	1
9	<p>A law commission report recommends removing gender biases in inheritance laws.Parliament debates and passes a bill ensuring equal inheritance rights for men and women.Which goal of law reform does this example represent?</p> <p>a.Promoting social justice and equality b.Simplifying complex laws c. Strengthening government authority d.Increasing tax revenue</p>	1
10	<p>In a tribal community, disputes are resolved based on long-standing practices passed down through generations.What is the primary source of law in this situation? a.Customary law b.Judicial decisions c.Legislative enactments d. International law</p>	1

11	Law should be reflection of common spirit of people and custom. This is feature of which school of Jurisprudence:a. Natural law school.b. Analytical schoolc. Historical school.d. Sociological school	1
12	The book 'Espirit Des Lois' published in 1748 was written by: a.Lord Acton. b.Aristotle c. Montesquieu. d. Locke	1
13	Arrange the following cases related to Basic Structure Doctrine in Chronological order: I. Minerva Mills II. Golak Nath Case III. Kesavanand Bharati Case Options: a. II, III, I b. III ,I ,II c. I, II ,III d. None of the above	1
14	Until the enactment of which Act in Britain was the Lord Chancellor the head of judiciary in Britain? a.Anti Abolishment Act,1955 b.Government of Britain Act,2002 c.Constitutional Reform Act,2005 d.None of the above	1
15	The concept of Rule of law has been given by: a. Aristotle. b. Coke. c. Dicey. d. Rousseau	1
16.	Ministerial action is also known as: a.Purely administrative action. b.Simply administrative action c.Administrative legislative action. d.None of the above	
17	The propounder of Analytical school of Jurisprudence is: a.Bentham. b. Savigny. c. Maine. d. Gray	1
18	Marriages and adoption of individuals belonging to different nations fall within _____ domain. a.Private international law. b.Law of obligations c.Public international law. d. Property law	1
19	Assertion (A): Personal bias arises from near and dear ie from friendship,relationship , business or professional association. Reason (R): Such a relationship disqualified a person from acting as a judge. a. Both A and R are true and R is the correct explanation of A. b. Both A and R are true and R is not the correct explanation of A. c.A is true but R is false. d.A is false but R is true.	1
20	"Man is a social animal , man is a political animal." Who said this? a. Hobbes. b. Locke. c. Aristotle d. Blackstone	1

21	Very Short Answer Type Questions: Where can we not apply the principle of separation of power?	2
22	'Principles of Natural justice act as fair play in action.' Explain the basis of application of this principle.	2
23	Explain the reasons for growth of administrative law.	2
24	Explain the main purpose of Information Technology Act,2000.	2
25	Draw the hierarchy of criminal judicial system in India.	2
26	Explain the features of Convention on Elimination of All Forms of Discrimination against Women.	2
27	Describe the critical role played by women associations and organisations in the creation of family courts.	2
28	Explain the Appellate Jurisdiction of Supreme court of India.	2
29	Short Answer Type Questions: Explain the types of jurisdiction.	3
30	Explain the term inheritance.Differentiate between inheritable and uninheritable rights with relevant examples.	3
31	Laxmi is enthusiastic about her enrollment in a renowned law college. She decides to persue Criminal law in her specialisation.What does criminal law deal with and why is it considered part of public law?	3
32	Judicial decisions can be divided into two parts. Explain each part in brief	3
33	Critically analyse Analytical school.	3
34	State any three differences between Presidential and Parliamentary form of Government.	3
35	Explain the salient features of Indian Constitution.	3
36	Explain the different types of public and private municipal law.	3
37	Long Answer Type Questions: State the differences between Fundamental rights and Directive Principles of State Policy.	5
38	Explain the social contract theory.	5
39	"The United Nations Convention on the Rights of the Child (CRC) 1989 lays down several provisions to protect the rights of children globally. India, as a signatory, has enacted various laws to uphold these rights."Discuss the importance of child rights in India and explain how the Indian legal framework, including the Juvenile Justice (Care and Protection of Children) Act, 2015, addresses the issues of child protection, child labor, and child abuse.	5

40	Anshu is a tech savvy person who orders most of his goods and necessary items through various e commerce platforms. One day,one of his ordered item was received in a spoilt condition,but the seller refused to resolve his problem and denied to exchange it with other one.What do you understand by e commerce?Does The Consumer Protection Act,2019 address such e commerce entities? Explain the answer with reasons.	5
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WINTER BREAK ASSIGNMENT

SESSION (2024-25)

SUBJECT – MATHS (041)

CLASS XI

General Instructions:

1. The assignment includes all topics covered from April – December.
2. The date of submission of this assignment is 07 January 2025
3. The assignment is to be attempted in classwork registers.
4. The assignment is prepared on the pattern of Annual Examination 2025.
5. Neatness & timely submission of assignments carries extra marks.

SECTION A		
1)	Which of the following is a void set? (A) $\{0\}$ (B) $\{\emptyset\}$ (C) $\{x: x \in Q, x^2 - 2=0\}$ (D) None of these	
2)	Let $A=\{1,2,\{3,4\},5\}$, Which of the following is correct? (A) $\{3,4\} \subset A$ (B) $\{1,2,5\} \in A$ (C) $\emptyset \subset A$ (D) All of these	
3)	If $A= \{1,2\}$, $B= \{3,4\}$, then $A \times (B \cap \emptyset)=$ (a) A (b) B (c) \emptyset (d) μ	
4)	The range of the real function $f(x) = - x $ is (A) $[0,\infty)$ (B) $(-\infty ,0]$ (C) $(0,\infty)$ (D) $(-\infty ,0)$	
5)	If $\cot x = -\frac{5}{12}$, x not lies in the fourth quadrant, then the value of $\sec x$ is (a) $\frac{13}{5}$ (b) $-\frac{13}{5}$ (c) $\frac{13}{12}$ (d) $-\frac{13}{12}$	
6)	The value of $\tan \frac{\pi}{8}$ is (a) $2 - \sqrt{3}$ (b) $2 + \sqrt{3}$ (c) $\sqrt{2} - 1$ (d) $\sqrt{2} +$	
7)	$i^{2022} =$ (a) 1 (b) -1 (c) i (d) -i	
8)	The number all possible pairs of consecutive odd natural numbers, both of which are larger than 10 such that their sum is less than 10 is (a) 2 (b) 3 (c) 4 (d) 0	
9)	In how many of the distinct permutations of the letters in MISSISSIPPI do	

	<p>the four l's not come together ?</p> <p>(a) 7350 (b) 33810 (c) 34650 (d) 840</p>	
10)	<p>. How many words with or without meaning, each of 2 vowels and 3 consonants can be formed from the letters of the word DAUGHTER ?</p> <p>(a) 30 (b) 56 (c) 360 (d) 3600</p>	
11)	<p>The total number of terms in the expansion of $(x + a)^{51} - (x - a)^{51}$ after simplification is</p> <p>(a) 102 (b) 25 (c) 26 (d) none of these</p>	
12)	<p>The number of terms in the expansion of $(a + b + c)^n$, where $n \in \mathbf{N}$ is</p> <p>(a) $\frac{(n+1)(n+2)}{2}$ (b) $n+1$ (c) $n+2$ (d) $(n+1)n$</p>	
13)	<p>The 10th term of the Fibonacci sequence 1,1,2,3,5,... is</p> <p>(a) 21 (b) 34 (c) 55 (d) 10</p>	
14)	<p>$1 - \frac{1}{2} + \frac{1}{4} - \frac{1}{8} + \dots =$</p> <p>(a) $\frac{1}{2}$ (b) 2 (c) $\frac{2}{3}$ (d) -2</p>	
15)	<p>The equation of a circle with center (2,2) and passes through the point (4,5) is</p> <p>(a) $x^2 + y^2 - 4x - 4y + 5 = 0$ (b) $x^2 + y^2 - 4x - 4y = 5$</p> <p>(c) $x^2 + y^2 - 2x - 2y - 23 = 0$ (d) $x^2 + y^2 + 2x + 2y = 59$</p>	
16)	<p>. $\lim_{x \rightarrow 0} \frac{\log(1+x^3)}{\sin^3 x} =$</p> <p>(a) 0 (b) 1 (c) $\log 2$ (d) $\frac{1}{3}$</p>	
17)	<p>If $f(x) = 2x^2 + 3x - 5$, then $f'(0) + 3f'(-1) =$</p> <p>(a) 0 (b) 2 (c) 3 (d) -5</p>	
18)	<p>The Variance of first 9 multiples of 3 is</p> <p>(a) 135 (b) 45 (c) 60 (d) 74.25</p>	
19)	<p>ASSERTION-REASON BASED QUESTIONS</p> <p>In the following questions, a statement of assertion (A) is followed by a statement of Reason (R). Choose the correct answer out of the following</p>	

	<p>choices.</p> <p>(a) Both A and R are true and R is the correct explanation of A.</p> <p>(b) Both A and R are true but R is not the correct explanation of A.</p> <p>(c) A is true but R is false.</p> <p>(d) A is false but R is true.</p>	
20)	<p>Assertion(A): A wheel makes 360 revolutions in one minute. Then the number of radians it turn in one second is 12π.</p> <p>Reason(R) : One revolution = 2π radians.</p>	
21)	<p>Assertion (A): $\lim_{x \rightarrow 0} \frac{1 - \cos x}{x^2} = \frac{1}{2}$.</p> <p>Reason (R): $\lim_{x \rightarrow 0} [\operatorname{cosec} x - \cot x]$ is not defined.</p>	
SECTION B		
22)	This section comprises of very short answer type-questions (VSA) of 2 marks each.	
23)	Prove that $(\cos x - \cos y)^2 + (\sin x - \sin y)^2 = 4 \sin^2\left(\frac{x-y}{2}\right)$	
24)	. In drilling world's deepest hole, it was found that the temperature in degree Celsius, x km below the earth's surface was given by $T = 30^0 + 25^0(x - 3)$, $3 \leq x \leq 15$. At what depth will the temperature between 155^0 C and 205^0 C ?	
25)	. If the sum of first three terms of a G.P. is $\frac{13}{12}$ and their product is -1, then find the middle term ? Using distance formula, show that the points $P(2, 4, 6)$, $Q(-2, -2, -2)$ and $R(6, 10, 14)$ are collinear	
26)	The probability that a student will pass the final examination in both English and Hindi is 0.5 and the probability of passing neither is 0.1. If the probability of passing the English examination is 0.75, what is the probability of passing the Hindi examination ?	
27)	SECTION C (This section comprises of short answer type questions (SA) of 3 marks each)	
28)	Determine whether the following statements are true or false ? If it is true, prove it. If it is false, give an example ? (i) If $A \subseteq B$ and $x \notin B$ then $x \notin A$	

	(ii) If $A \subseteq B$, then $C - B \subseteq C - A$.															
29)	Determine whether the following statements are true or false? If it is true, prove it. If it is false, give an example? (i) If $A \subseteq B$ and $x \notin B$ then $x \notin A$ (ii) If $A \subseteq B$, then $C - B \subseteq C - A$.															
30)	Prove that $\tan 4x = \frac{4 \tan x (1 - \tan^2 x)}{1 - 6 \tan^2 x + \tan^4 x}$.															
31)	If $(x + iy)^3 = U + iV$, then show that $\frac{U}{x} + \frac{V}{y} = 4(x^2 - y^2)$															
32)	How many numbers greater than a million can be formed by using the digits 1,2,0,2,4,2,4?															
33)	Using Binomial theorem, expand $(1 + \frac{x}{2} - \frac{2}{x})^4, x \neq 0$.															
34)	SECTION D (This section comprises of long answer-type questions (LA) of 5 marks each).															
35)	Prove that $\sin^2 x + \sin^2(x + \frac{\pi}{3}) + \sin^2(x - \frac{\pi}{3}) = \frac{3}{2}$															
36)	If p and q are the lengths of the perpendiculars from the origin to the lines $x \cos \theta + y \sin \theta = k \cos 2\theta$ and $x \sec \theta + y \operatorname{cosec} \theta = k$, respectively, prove that $p^2 + 4q^2 = k^2$.															
37)	Find the derivative of $x \sin x$ from the first principle.															
38)	Calculate the mean deviation about the median for the following data : <table border="1" style="margin-left: 20px;"> <tr> <td>Class</td> <td>-10</td> <td>0-20</td> <td>0-30</td> <td>0-40</td> <td>0-50</td> <td>0-60</td> </tr> <tr> <td>Frequency</td> <td></td> <td></td> <td>5</td> <td>6</td> <td></td> <td></td> </tr> </table>	Class	-10	0-20	0-30	0-40	0-50	0-60	Frequency			5	6			
Class	-10	0-20	0-30	0-40	0-50	0-60										
Frequency			5	6												
SECTION - E																
39)	(This section comprises 3 case-study/passage-based questions of 4 marks each with two sub-parts. First two case study questions have three sub-parts (i), (ii), (iii) of marks 1, 1, 2 respectively. The third case study question has two sub-parts of 2 marks each.) 36. Case-Study 1 : Read the following passage and answer the questions given below Ravi visited a dentist for his tooth problem. The probability that he will have his tooth extracted is 0.06, the probability that he will have a cavity filled is 0.2 and the probability that he will have a tooth extracted or a cavity filled is 0.23. Answer the below given questions: (i) What is the probability that he will have his tooth extracted as well as cavity filled? (ii) If E_1 and E_2 be two events such that $E_1 \subseteq E_2$ then which among the following															

	<p>statement is true?</p> <p>a) $P(E_1) \leq P(E_2)$ b) $P(E_1) < P(E_2)$ c) $P(E_1) = P(E_2)$ d) $P(E_1) \geq P(E_2)$</p> <p>(iii) For any event E ?</p> <p>a) $0 < P(E) < 1$ b) $0 \leq P(E) \leq 1$ c) $0 \geq P(E) \geq 1$ d) $0 > P(E) > 1$</p>	
40)	<p>Case-Study 2: Read the following passage and answer the questions given below</p> <p>Rahul being a plant lover decides to open a nursery and he bought few plants with pots. He wants to place pots in such a way that number of pots in first row is 2, in second row is 4 and in third row is 8 and so on... .</p>  <p>(i) What is the constant multiple by which the number of pots is increasing in every row?</p> <p>(ii) What is the number of pots in 8th row?</p> <p>(iii) What is the difference in number of pots placed in 7th row and 5th row?</p>	
41)	<p>Case-Study 3 : Read the following passage and answer the questions given below.</p>  <p>Out of 100 students, two sections of 40 and 60 are formed. If you and your friend are among the 100 students.</p> <p>(i) What is the probability that you both enter the same section ?</p> <p>(ii) What is the probability that you both enter the different sections ?</p>	



WINTER BREAK ASSIGNMENT

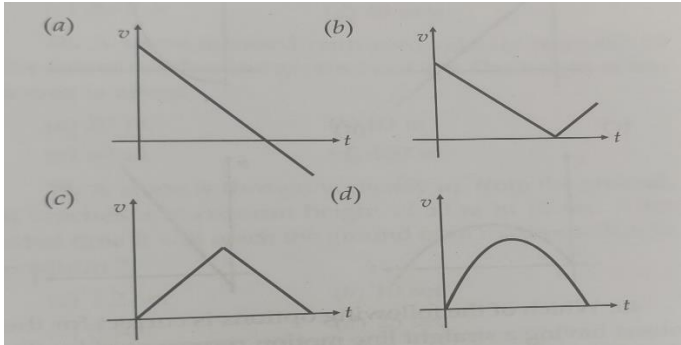
SESSION (2024-25)

SUBJECT – PHYSICS

CLASS XI

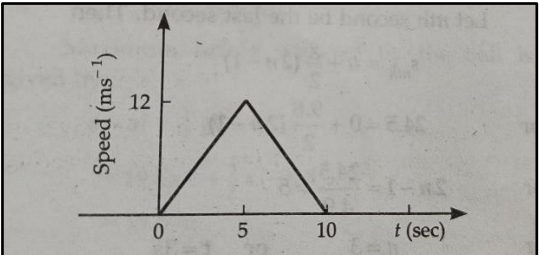
General Instructions:

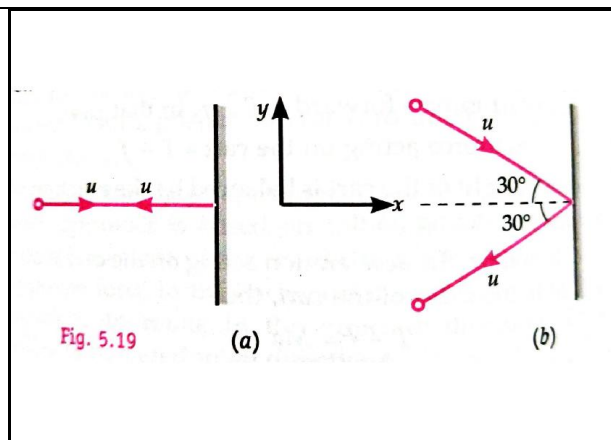
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8. The assignment is to be attempted in classwork registers.
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10. Neatness & timely submission of assignments carries extra marks.

SECTION : A		
1.	Which one of the following has the same dimension as Planck's constant. (a) Torque (b) Angular momentum (c) Gravitational Constant (d) Stress	1
2.	The angle between vectors $A = i + 2j - k$ and $B = -i + j - 2k$ is a) 30 b) 45 c) 60 d) 90	1
3	Calculate linear velocity, if $\omega = (2i - 4j + k)$ rad/s and $r = (i + j + k)$ m ? (a) $(i + 3j + 6k)$ m/s (b) $(-5i - j + 6k)$ m/s (c) $(3i - 3j + 6k)$ m/s (d) $(i + j + 6k)$ m/s	1
4	A ball is thrown vertically upward. Ignoring the air resistance, which one of the following plots represent velocity-time plot for the period of ball remains in air? 	1
5	A body covers one-third of its journey with speed 'u', next one third with speed 'v' and the last one third with speed 'w'. The average speed of the	1

	body is a) $3uvw / uv+vw+uw$ b) $uvw / uv+vw+uw$ b) $uvw / 2uv+2vw+2uw$ d) $6uvw / 5(uv+vw+uw)$	
6	A ball is thrown vertically downward with a velocity of 20 m/s from the top of a tower. It hits the ground after some time with a velocity of 80 m/s. The height of the tower is (a) 300 m (b) 320 m (c) 340 m (d) 360 m	1
7	In uniform circular motion (a) Both velocity and acceleration are constant. (b) velocity changes and acceleration is constant. (c) velocity is constant and acceleration changes. (d) Both velocity and acceleration change.	1
8	A hunter has a machine gun that can fire 50 g bullets with a velocity of 150 m/s. A 60 kg tiger springs at him with a velocity of 10 m/s. How many bullets must the hunter fire into the tiger in order to stop him in track? a) 80 b)100 c)120 d) 150	1
9	A rubber ball of mass 50 g falls from a height of 1 m and rebounds to a height of 0.5 . The impulse and average force between the ball and ground, if the time for which they are in contact was 0.1 s, will be a) 0.378 Ns, 3.78 N b) 0.527 Ns, 5.27 N b) 0.623 Ns, 6.23 N d) 0.763 Ns, 7.63 N	1
10	The human heart discharges 75 mL of blood at each beat against a pressure of 0.1 m of Hg. The power of heart assuming that pulse frequency is 80 beats per minute, will be (density of Hg = $13.6 \times 10^3 \text{ kg/m}^3$) a) 1.33 W b) 1.75 W c) 2.23 W d)2.65 W	1
11	If the linear momentum of a body increases by 20 %, what will be the % increase in the K.E of the body? a) 21% b) 44% c) 56% d)67%	1
12	In elastic collision a) Both momentum and KE are conserved b) Both momentum and KE are not conserved c) Only KE conserved d) Only momentum conserved	1
13	Two statements are given-one labelled Assertion (A) and the other	1

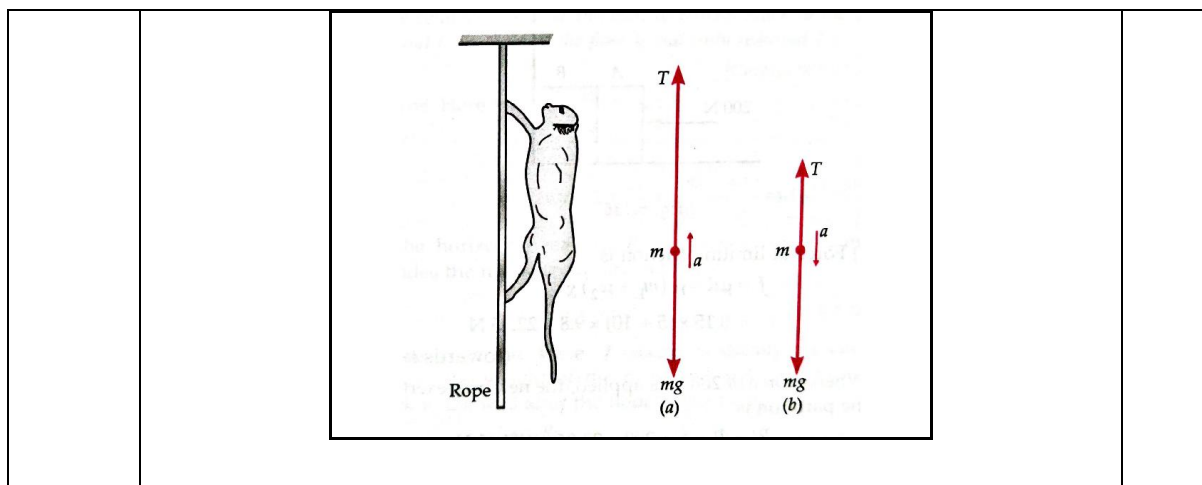
	<p>labelled Reason (R). Select the correct answer to these questions from the codes (i), (ii), (iii) and (iv) as given below.</p> <p>i) Both A and R are true and R is the correct explanation of A. ii) Both A and R are true and R is NOT the correct explanation of A. iii) A is true but R is false iv) A is false and R is also false.</p> <p>Assertion (A): <i>The projectile has only vertical component of velocity at the highest point of its trajectory.</i></p> <p>Reason (R): <i>At the highest point, only one component is present.</i></p>	
14	<p>Two statements are given-one labelled Assertion (A) and the other labelled Reason (R). Select the correct answer to these questions from the codes (i), (ii), (iii) and (iv) as given below.</p> <p>i) Both A and R are true and R is the correct explanation of A. ii) Both A and R are true and R is NOT the correct explanation of A. iii) A is true but R is false iv) A is false and R is also false</p> <p>Assertion (A) : For a given time interval, average velocity is single valued while average speed can have many values.</p> <p>Reason (R) : Velocity is a a vector quantity and speed is a scaler quantity</p>	1
15	<p>Two statements are given-one labelled Assertion (A) and the other labelled Reason (R). Select the correct answer to these questions from the codes (i), (ii), (iii) and (iv) as given below.</p> <p>i) Both A and R are true and R is the correct explanation of A. ii) Both A and R are true and R is NOT the correct explanation of A. iii) A is true but R is false iv) A is false and R is also false</p> <p>Assertion (A) : Work done in moving a body over a closed loop is zero for every force in nature.</p> <p>Reason (R) : Work done does not depend on the nature of force</p>	1
16	<p>Two statements are given-one labelled Assertion (A) and the other labelled Reason (R). Select the correct answer to these questions from the codes (i), (ii), (iii) and (iv) as given below.</p> <p>i) Both A and R are true and R is the correct explanation of A. ii) Both A and R are true and R is NOT the correct explanation of A. iii) A is true but R is false iv) A is false and R is also false</p> <p>Assertion (A) : In an elastic collision between two bodies, the energy of each body is conserved</p>	1

	Reason (R) : The total energy of an isolated system is conserved.	
SECTION B		
17	<p>The speed-time graph of a particle moving along a fixed direction is shown. Find</p> <p>(i) the distance travelled by the particle between 0-10 seconds. (ii) average speed between this interval (iii) the time when the speed was minimum (iv) the time when speed was maximum</p> 	2
18	<p>If unit vectors A and B are inclined at angle Θ, then prove that</p> $ \hat{A} - \hat{B} = 2 \sin \frac{\Theta}{2}$	2
19	<p>Derive an expression for centripetal acceleration of a particle moving with uniform speed v with a circular path of radius r.</p>	2
20	<p>(i) A stone tied to the end of a string is whirled in a circle. If the string breaks, the stone flies away tangentially. Why?</p> <p>(ii) Two projectiles A and B are projected with velocities $\sqrt{2} v$ and v respectively. They have the same range. If A is thrown at angle of 15° with the horizontal, then what is the angle of projection of B?</p> <p style="text-align: center;">Or</p> <p>An insect trapped in a circular groove of radius 12 cm moves along the groove steadily and completes 7 revolutions in 100 s.</p> <p>i) What is the angular speed and the linear speed of the motion? ii) Find the magnitude and direction of acceleration.</p>	2
21	<p>Two identical billiard balls strike a rigid wall with the same speed but at different angles, and get reflected without any loss of speed as shown. What is</p> <p>(i) the direction of the force of the wall due to each ball? (ii) the ratio of the magnitudes of the impulses imparted on the two balls by the wall?</p>	2



SECTION – C

22	The frequency ν of an oscillating drop may depend upon radius r of the drop, density ρ and surface tension S of the liquid. Establish an expression for ν dimensionally.	3
23	Why is it easier to pull a lawn roller than to push it? Explain, by giving appropriate mathematical expression.	3
24	The displacement of a particle moving along x-axis is given by $X = 18t + 5t^2$. Calculate i) Instantaneous velocity at $t = 2s$ ii) Average velocity between $t=2s$ and $t=3s$ iii) Instantaneous acceleration	3
25	A monkey of mass 40 kg climbs on a rope which can stand a maximum tension of 600 N. In which of the following cases will the rope break: the monkey (i) climbs up with an acceleration of 6 ms^{-2} (ii) climbs down with an acceleration of 4 ms^{-2} (iii)climbs up with a uniform speed of 5 ms^{-1} (iv) falls down the rope nearly freely under gravity. Take $g = 10 \text{ m/s}^2$. Ignore the mass of the rope.	3



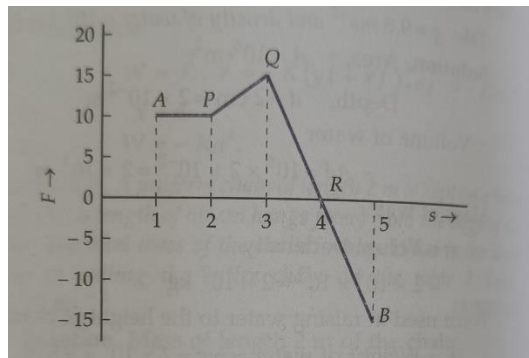
26 (i) A helicopter on a flood relief mission flying horizontally with a speed u at an altitude h , has to drop a food packet for a victim standing on the ground. At what distance from the victim should the food packet be dropped?
(ii) The relation between time t and distance x is, $t = ax^2 + bx$; where a and b are constants. Express the instantaneous acceleration in terms of instantaneous velocity.

OR

A driver of a car travelling at 52 km/hr applies the brakes and deaccelerates uniformly. The car stops in 5 seconds. Another driver going at 34 km/hr applies his brakes slower and stops after 10 seconds. Plot a speed vs time graph for two cars. Which of the two cars travelled further after the brakes were applied?

27 i) State triangle law of vector addition
ii) Derive an expression for displacement time and velocity time equation by calculus method.

28 A body moves from point A to B under the action of a force, varying in magnitude as shown. Obtain the work done.



SECTION - D

29 **Answer the following questions:**
Unit-1
Q-(i) A semiconductor has an electron concentration of 6×10^{22} per m^3

and hole concentration of 8.5×10^9 per m^3 . Then it is

- a) n-type semiconductor
- b) p-type semiconductor
- c) intrinsic semiconductor
- d) extrinsic semiconductor

Q-ii) In a p-n junction diode

- a) the current in the reverse biased condition is generally very small
- b) the current in the reverse biased condition is small but the forward biased current is independent of the bias voltage
- c) the reverse biased current is strongly dependent on the applied voltage
- d) the forward biased current is very small in comparison to reverse biased current.

Q-iii) In the middle of the depletion layer of a reverse biased p-n junction, the

- a) electric field is zero
- b) potential is maximum
- c) electric field is maximum
- d) potential is zero

Q-iv) The dominant mechanism for the motion of charge carriers in forward and reverse biased silicon junctions are

- a) drift in forward bias, diffusion in reverse bias
- b) diffusion in forward bias, drift in reverse bias
- c) diffusion in both forward bias and reverse bias
- d) drift in both forward bias and reverse bias

	reaction.	
SECTION – E		
31	<p>(i) State parallelogram law of vector. Derive an expression for its resultant and the direction of the resultant.</p> <p>(ii) The resultant of two vectors P and Q is perpendicular to P and its magnitude is half that of Q. What is the angle between P and Q?</p> <p style="text-align: center;">OR</p> <p>(i) A projectile is fired with a velocity u making an angle θ with the horizontal. Show that its trajectory is a parabola. Also, derive the expression for its</p> <p>(a) Time of flight (b) Maximum height (c) Horizontal range</p>	5
32	<p>Q.30 (i) Prove that angle of repose is equal to angle of friction.</p> <p>(ii) Plot a graph showing the variation of force applied vs friction.</p> <p>(iii) A block of mass M is pulled along a horizontal frictionless surface by a rope of mass m. A force P is applied at the free end of the rope. Find the force exerted by the rope on the block.</p> <p style="text-align: center;">OR</p> <p>(i) What is meant by banking of roads? What is the need for banking a road? Obtain an expression for the maximum speed with which a vehicle can safely negotiate a curved road banked at an angle θ.</p> <p>(ii) A bend in a level road has a radius of 100 m. Find the maximum speed which a car turning this bend may have without skidding, if the coefficient of friction between the tyres and road is 0.8.</p>	5
33	<p>i) Show that relative velocity before collision is equal to relative velocity after collision for a perfectly elastic collision in one dimension</p> <p>ii) A body of mass M at rest is struck by a moving body of mass m. Prove that fraction of the initial KE of the mass m transferred to the struck body is $4mM / (m+M)^2$</p> <p style="text-align: center;">OR</p> <p>i) State and prove Work- Energy theorem.</p> <p>ii) A bullet of mass 0.012 kg and horizontal speed 70 m/s strikes a block of wood of mass 0.4 kg and instantly comes to rest w.r.t block. The block is suspended from the ceiling by means of thin wires. Calculate the height to which the block rises.</p>	5

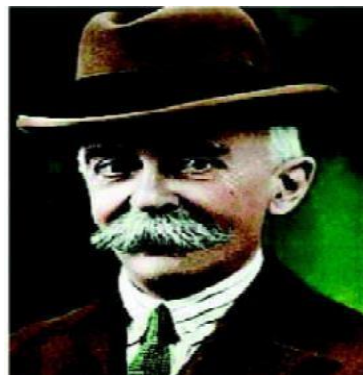



WINTER BREAK ASSIGNMENT
SESSION (2024-25)
SUBJECT – PHYSICAL EDUCATION
CLASS- XI








General Instructions:

1. The assignment includes all topics covered from April - December.
2. The date of submission of this assignment is 07 January 2025
3. The assignment is to be attempted in classwork registers.
4. The assignment is prepared on the pattern of Annual Examination 2025.
5. Neatness & timely submission of assignments carries extra marks.

Q.NO.	SECTION A	MARKS
1.	What causes of lifestyle diseases such as high blood pressure, diabetes, heart attack? i) Poor eating habits ii) Lack of exercise iii) Sedentary lifestyle iv) All of the above	1
2.	Athletes who take _____, tend to develop muscular bodies. i) Beta blockers ii) Amphetamines iii) Probiotics iv) Steroids	1
3.	Which of the following is not the aim of social development in physical education? i) Obeying rules and regulations of the game ii) Showing sportsmanship iii) Cooperation with peers iv) Playing for self	1
4.	Identify the following Personality and choose its correct name. i) Dion Nash ii) Baron Pierre de Coubertin iii) Henri Didon iv) Sir Dorabji Tata	1
5.	Body Mass Index (BMI) is a measure of body: i) Fat ii) Vitamins iii) Obesity iv) None of these	1
6.	Given below are the two statements labelled Assertion (A) and Reason (R): Assertion (A): We should have regular exercise and take part in games and sports.	1



	<p>Reason (R): It is not possible to have physical fitness without exercise, game and sports.</p> <p>In the context of the above two statements, which one of the following is correct?</p> <p>i) Both (A) and (R) are true and (R) is the correct explanation of (A). ii) Both (A) and (R) are true, but (R) is not the correct explanation of (A). iii) (A) is true, but (R) is false. iv) (A) is false, but (R) is true.</p>	
7.	<p>Given below are the two statements labelled Assertion (A) and Reason (R):</p> <p>Assertion (A): Children with developmental delays are, Spinal bifida are treated by physiotherapist.</p> <p>Reason (R): Occupational therapist help develop fine motor skills.</p> <p>In the context of the above two statements, which one of the following is correct?</p> <p>i) Both (A) and (R) are true and (R) is the correct explanation of (A). ii) Both (A) and (R) are true, but (R) is not the correct explanation of (A). iii) (A) is true, but (R) is false. iv) (A) is false, but (R) is true</p>	1
8.	<p>The aim of adaptive physical education is to help -</p> <p>i) Adults ii) Differently abled students iii) Cricketers iv) All of the above</p>	1
9.	<p>The motto of Deaflympics is-</p> <p>i) PER LUDOS AEQUALITAS ii) CITRIUS FORTIUS ALTIUS iii) ERGO PER LUDOS iv) WORLD GAMES FOR DEAF</p> 	1
10.	<p>The modern life style has:</p> <p>i) Not affected the efficiency of human beings ii) Increased the efficiency of human beings iii) Reduced the efficiency of human beings iv) None of these</p>	1
11.	<p>A new family has shifted in your neighborhood. one boy aged 6-7 years in that</p>	1

	<p>family is active and playful but does not talk at all. In your opinion whom should family contact?</p> <p>i) Counselor iii) Physiotherapist</p> <p>ii) Speech Therapist iv) Special educator</p>																																														
12.	<p>Special Olympic Bharat includes _____ number of sports.</p> <p>i) 65 ii) 55 iii) 45 iv) 35</p>	1																																													
13.	<p>Match List-I with List- II and select the correct answer from the code given below:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">LIST 1</th> <th></th> <th style="text-align: center;">LIST 2</th> </tr> </thead> <tbody> <tr> <td>a)</td> <td>Ancient Olympic Games</td> <td>1</td> <td>1896 A.D.</td> </tr> <tr> <td>b)</td> <td>Modern Olympic Games</td> <td>2</td> <td>776 B.C.</td> </tr> <tr> <td>c)</td> <td>Summer Olympic Games</td> <td>3</td> <td>1924 A.D.</td> </tr> <tr> <td>d)</td> <td>Winter Olympic Games</td> <td>4</td> <td>1896 A.D.</td> </tr> </tbody> </table> <p>CODES</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">a)</th> <th style="text-align: center;">b)</th> <th style="text-align: center;">c)</th> <th style="text-align: center;">d)</th> </tr> </thead> <tbody> <tr> <td>i)</td> <td style="text-align: center;">4</td> <td style="text-align: center;">2</td> <td style="text-align: center;">1</td> <td style="text-align: center;">3</td> </tr> <tr> <td>ii)</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">3</td> <td style="text-align: center;">4</td> </tr> <tr> <td>iii)</td> <td style="text-align: center;">3</td> <td style="text-align: center;">4</td> <td style="text-align: center;">2</td> <td style="text-align: center;">1</td> </tr> <tr> <td>iv)</td> <td style="text-align: center;">2</td> <td style="text-align: center;">1</td> <td style="text-align: center;">4</td> <td style="text-align: center;">3</td> </tr> </tbody> </table>		LIST 1		LIST 2	a)	Ancient Olympic Games	1	1896 A.D.	b)	Modern Olympic Games	2	776 B.C.	c)	Summer Olympic Games	3	1924 A.D.	d)	Winter Olympic Games	4	1896 A.D.		a)	b)	c)	d)	i)	4	2	1	3	ii)	1	2	3	4	iii)	3	4	2	1	iv)	2	1	4	3	1
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14.	<p>Cricket is one Sports that represents the National Passion. It is played under-</p> <p>i) BCCI ii) PBL iii) IOC iv) BWF</p>	1																																													
15.	<p>Identify the logo of Defalympics-</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  TOKYO 2020 OLYMPIC GAMES </div> <div style="text-align: center;">  TOKYO 2020 PARALYMPIC GAMES </div> <div style="text-align: center;">  TOKYO 2020 OLYMPIC GAMES </div> <div style="text-align: center;">  TOKYO 2020 PARALYMPIC GAMES </div> <div style="text-align: center;">  TOKYO 2020 OLYMPIC GAMES </div> <div style="text-align: center;">  TOKYO 2020 PARALYMPIC GAMES </div> <div style="text-align: center;">  TOKYO 2020 DEFALYMPIC GAMES </div> </div> <p>i)</p>	1																																													






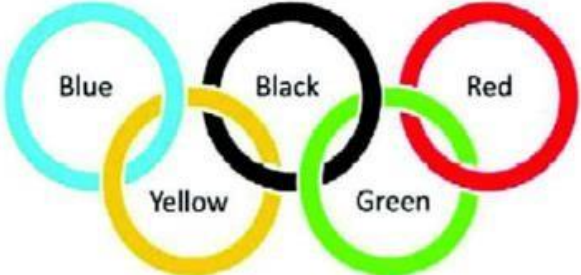

ii)
iii)





iv)

16.	<p>Talented Players identified under Khelo India are provided a Financial assistance of –</p> <ul style="list-style-type: none"> i) 2 Lakh Per Annum for 8 Years ii) 5 Lakh Per Annum for 8 Years iii) 8 Lakh Per Annum for 2 Years iv) 2 Lakh Per Annum for 5 Years 	1
17.	<p>Skill related components of fitness are –</p> <ul style="list-style-type: none"> i) Reaction time ii) Speed and Agility iii) Hand- eye- foot coordination iv) All of these 	1

18.	<p>Which game is the origin of ludo?</p> <p>i) Chaupar ii) Gillidanda (c) Kalaprippayattu (d) Shatranj</p>	1																																													
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19.	<p>Match List – I with List – II and select the correct answer from the code given below: Also write about benefits of physical exercise.</p> <table border="1"> <thead> <tr> <th></th> <th>LIST 1</th> <th></th> <th>LIST 2</th> </tr> </thead> <tbody> <tr> <td>a)</td> <td>Physical fitness</td> <td>1</td> <td>Lack of physical activity</td> </tr> <tr> <td>b)</td> <td>Obesity</td> <td>2</td> <td>Having a balanced diet</td> </tr> <tr> <td>c)</td> <td>Exercise</td> <td>3</td> <td>Exercise, games and sports</td> </tr> <tr> <td>d)</td> <td>Wellness</td> <td>4</td> <td>Increase in muscles strength</td> </tr> </tbody> </table> <p style="text-align: center;">CODES</p> <table border="1"> <thead> <tr> <th></th> <th>a)</th> <th>b)</th> <th>c)</th> <th>d)</th> </tr> </thead> <tbody> <tr> <td>i)</td> <td>1</td> <td>4</td> <td>2</td> <td>3</td> </tr> <tr> <td>ii)</td> <td>3</td> <td>1</td> <td>4</td> <td>2</td> </tr> <tr> <td>iii)</td> <td>2</td> <td>3</td> <td>1</td> <td>4</td> </tr> <tr> <td>iv)</td> <td>4</td> <td>2</td> <td>3</td> <td>1</td> </tr> </tbody> </table>		LIST 1		LIST 2	a)	Physical fitness	1	Lack of physical activity	b)	Obesity	2	Having a balanced diet	c)	Exercise	3	Exercise, games and sports	d)	Wellness	4	Increase in muscles strength		a)	b)	c)	d)	i)	1	4	2	3	ii)	3	1	4	2	iii)	2	3	1	4	iv)	4	2	3	1	2
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20.	<p>What does the picture given below represent? Measurement of height OR Measurement of weight State the significance of the process in sports and health of a student.</p>		2																																												
21.	<p>Identify the Exercise shown in the picture. Write a brief note on it.</p>		2																																												
22.		2																																													

	<p>Name the Player and the Sports She plays, shown in the picture. Can you name any other female player involved in the same sport.</p>	
23.	<p>Identify the following Olympic symbol and write its correct name & significance.</p> 	2
24.	<p>Differentiate between general and specific fitness.</p>	2
SECTION C		
25.	<p>What does the picture given below represent? Justify yog asana and yog kriyas are different from each other.</p> 	3





26.	<p>Identify the Kriya and write their names. How do they benefit the person doing the specific kriya.</p> <p style="text-align: center;">a) b)</p> <div style="display: flex; justify-content: space-around; align-items: center;">   </div>	3
27.	Elucidate the role of nutrition and adequate rest in fitness.	3
28.	Discuss briefly the position of padmasana and its benefits.	3
29.	How can physical education degree lead to a successful career in the print and digital media	3
30.	Write a short paragraph on the Indian Premier League.	3
SECTION D		
31.	<p>Athletes have taken great strides all throughout this century but few can compare to those of Jesse Owens. He beat all the odds and even went against what Hitler had in mind by taking part in the Olympics in 1936. He was a tough man who knew what he wanted to accomplish and set out to do just that. In the summer of 1936 Jesse Owens arrived at the summer Olympics in Berlin. Even though there was hatred all around him in Hitler's Germany, he fought hard and won a total of four gold medals, while Germany could only watch and grumble. One could almost see Hitler's face as he watched a black man - who he had depicted as anything but human in German propaganda - beat his pure-blooded Germans. Jesse Owens was a man of great strength, courage and character. He was someone that the youth of today can look up to as a hero and a role model and in this day in age that is quite a feat in itself.</p> <p>a) The Olympic motto has the following words-</p> <p>i) Citius ii) Altius iii) Fortius iv) All of these</p> <p>b) First Indian to take part in Modern Olympics was – i) Milkha Singh ii) Michael Ferreira iii) Norman Pritchard iv) Abhinav Bindra</p> <p>c) The Olympic flag was first used in the games held in – i) Tokyo ii) England iii) Brazil iv) Antwerp</p> <p>d) India took part in Olympics for the first time in year – i) 1960 ii) 1928 iii) 1900 iv) 2021</p>	4

32.	<p>According to WHO disability is an umbrella term, covering impairments, activity limitation, and participation restrictions. It is not just a health problem but it is a complex phenomenon, reflecting the Interaction between features of a person's body and feature of the society in which he/she lives.</p> <p>On the basis of given information answer the following questions:</p> <ol style="list-style-type: none"> 1. A problem is body function and structure is called as? 2. Can disability be diagnosed and treated? 3. What is the full form of WHO? 4. What is the concept of Inclusion? 	4
33.	<p>Different people have different viewpoints regarding physical fitness. Some think that physical fitness is related to work, whereas some are of the view that physical fitness reflects the physique of the individual. But doctors may think that a person without any disease and systems of the body working well is a fit person. In reality, physical fitness is the capacity of an individual to do his daily routine work effectively and efficiently without any problem and undue fatigue. The level of physical fitness varies from person to person, nature of work, size of the person, shape of the body, age, sex etc. A fit person has sufficient reserve strength, energy and endurance to meet the emergencies. Fitness of the body influences the mental and emotional conditions of the individual. Fitness of an individual depends on personal habits, exercise, eating habits, attitude, tensions etc.</p> <p>a) The level of physical fitness:</p> <ol style="list-style-type: none"> i) Is the same for all the persons ii) Varies from person to person iii) Is independent of gender iv) None of these <p>b) What does the picture given below represent?</p> <ol style="list-style-type: none"> i) Speed ii) Flexibility iii) Endurance iv) Strength <p>c) This is logo of Khelo India. This programme has been introduced to-</p> <ol style="list-style-type: none"> i) Revive Sports Culture ii) Establish India as a Sporting Nation iii) To improve physique iv) Both i & ii <p>d) India is birthplace of –</p> <ol style="list-style-type: none"> i) Kalarippayattu ii) Musti Yuddha iii) Marma Adi iv) All of the above <p>e) Sushil organised a workshop for the students of class 12 of XYZ School to</p>	4



iv)



	spread awareness on careers in Physical education. Which of the following is a career in training sector? i) Sports Journalism ii) Players iii) Physiotherapist iv) Sports coach	
	SECTION E	
34.	<p>Identify the Yoga Pose given in the images and state any one contradiction related to the specific asana.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>A</p> </div> <div style="text-align: center;">  <p>B</p> </div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 20px;"> <div style="text-align: center;">  <p>C</p> </div> <div style="text-align: center;">  <p>D</p> </div> </div>	5
35.	Elucidate the role of counsellor, speech therapists and special educator in the training of Divyang.	5
36.	Discuss in detail muscle strength and endurance with focus on the difference between the two.	5
37.	State the benefits and Contradictions of Naukasana or garudasana	5

	F. The process used to create a dancing girl: a) Hollow casting process b) Hand building process c) Lost wax process c) Wheel process	1
2.	Section- II Evaluate the compositional arrangement of any three of the following in short: a. Wizard's Dance b. Lion Capital c. Cymbal Player d. Mother Goddess	(2x3=6)
3.	Section III Answer the following: a) What feelings are reflected in the sculpture of mother and child? What medium was used to make it? b) Appreciate the architectural aspects of Gol Gumbad.	(3x2=6)
4.	Section IV Write short notes on any one of the following in about 150-200 words: a. What do you know about the history of Indian bronze sculpture? Write the characteristics of the sculpture 'Natraja'. b. Give a brief description of Dancing Girl.	(6x1=6)
5.	Section V Answer any one the following in about 150-200 words. a. What do you know about the famous monument of Qutub Minar? Explain the artistic aspects in your own words. b. What are the characteristics of the sculpture 'Descent of Ganga'?	(6x1=6)



WINTER BREAK ASSIGNMENT
SESSION (2024-25)
SUBJECT - POLITICAL SCIENCE
CLASS- XI

General Instructions:

6. The assignment includes all topics covered from April – December.
7. The date of submission of this assignment is 07 January 2025
8. The assignment is to be attempted in classwork registers.
9. The assignment is prepared on the pattern of Annual Examination 2025.
10. Neatness & timely submission of assignments carries extra marks.



	MCQ (1 mark each)	
1)	Arrange the following in chronological order- a. Constitutional status was accorded to local government institutions. b. Geeta Rathore was re-elected. c. Geeta Rathore was elected Sarpanch from a reserved seat. d. Tamil Nadu government allotted two hectares of land to government employees. a)d, a, c, b b)a, c, b, d c)a, d, c, b d)a, c, b, a	
2)	Territorial representation means a)Class representation b)Minority representation c)Geographical representation d)Functional representation	
3)	When did India develop a system of parliamentary standing committees? a)1983 b)1977 c)1980 d)1973	
4)	How many seats are in Lok Sabha reserved for Scheduled Tribes in India? a)52 b)27 c)47 d)37	
5)	From which country the provision of the idea of the Rule of Law has borrowed?	

	<p>a)British Constitution b)French Constitution c)Russian Constitution d)Canadian Constitution</p>	
6)	<p>Assertion (A): Indian secularism allows for principled state intervention in all religions. Reason (R): Religiously sanctioned caste-hierarchies are not acceptable within Indian secularism. a)Both A and R are true and R is the correct explanation of A. b)Both A and R are true but R is not the correct explanation of A. c)A is true but R is false. d)A is false but R is true.</p>	
7)	<p>Who said equality is the preferred value? a)Plato b)Hegel c)Aristotle d)Burke</p>	
8)	<p>The longest tenure as the Prime Minister of India is enjoyed by a)Jawahar Lal Nehru b)V.P. Singh c)Charan Singh d)Lal Bahadur Shastri</p>	
9)	<p>_____ is a group of people binds together by certainties like religion, culture traditions, conventions and literature. a)Province b)Nation c)State d)Race</p>	
10)	<p>Assertion (A): The Motilal Nehru committee had demanded a bill of rights as far back as in 1928. Reason (R): When India became independent and the Constitution was being prepared, bill of rights was ignored. a)Both A and R are true and R is the correct explanation of A. b)Both A and R are true but R is not the correct explanation of A. c)A is true but R is false. d)A is false but R is true.</p>	
11)	<p>The term justice is derived from the word 'Jus' which is a word from a)Greek language b)French language c)Latin language d)English language</p>	
12)	<p>The purpose of Feminism is: a)To exploit women b)To discourage women c)To weaken women d)To empower women</p>	
	Very Short Answer Questions (2 mark each)	
13)	Explain in detail the constitutional provisions, conventions, and	

	<p>practical considerations involved in the appointment of a Chief Minister under such circumstances. Discuss the role of the Governor, the importance of proving majority support in the legislative assembly, and the potential challenges or controversies that may arise during this process.</p> <p style="text-align: center;">Or</p> <p>Critically evaluate the performance of local bodies in India. Have they been successful in achieving their objectives? Support your answer with specific examples, highlighting areas where they have excelled and where they have fallen short.</p>	
14)	<p>Critically analyse the differences between equality and uniformity with examples from various fields such as law, education, and social policy. Discuss how equality ensures fair opportunities while respecting diversity, whereas uniformity might overlook individual or contextual differences in pursuit of sameness. Use specific instances to illustrate the practical implications of prioritizing equality over uniformity, or vice versa, in governance and societal development.</p> <p style="text-align: center;">Or</p> <p>Critically analyse whether the Indian Constitution can be considered rigid, flexible, or a combination of both. In your answer, provide specific examples of provisions or amendments that demonstrate its rigidity and flexibility. Additionally, discuss how this balance impacts the governance and legal framework of the country.</p>	
15)	<p>Discuss in detail the constitutional provisions that promote social justice in India. Highlight key articles, such as those under the Fundamental Rights, Directive Principles of State Policy, and other specific provisions designed to uplift marginalized communities, eliminate discrimination, and ensure equality. Provide examples of how these provisions have been implemented through legislation or landmark judicial decisions. Additionally, analyze the challenges in realizing the vision of social justice as enshrined in the Constitution.</p>	
16)	<p>Nationalism, as a concept, fosters a sense of unity and pride among the people of a nation. While it has played a significant role in movements for independence and nation-building, nationalism is not without its drawbacks. Identify and discuss two major demerits of nationalism.</p>	
17)	<p>Explain the concept of a bicameral legislature in detail. Discuss its structure, purpose, and advantages in governance. Provide examples of countries that follow this system and analyze how it supports democratic principles. Additionally, evaluate its impact on the balance of power within a government. How does this legislative framework compare to a unicameral legislature in terms of effectiveness and representation?</p> <p style="text-align: center;">Or</p> <p>Elaborate on the role and responsibilities of the Speaker in the Lok Sabha. Discuss the Speaker's duties in maintaining order during parliamentary proceedings, ensuring impartiality, and upholding the rules of procedure. Analyze the Speaker's powers in terms of resolving disputes, managing debates, and overseeing the conduct of members.</p>	

	<p>Additionally, assess how the Speaker contributes to the functioning of a democratic system by balancing the interests of the government and the opposition. In your answer, include examples of the Speaker's actions in ensuring fair representation and the smooth conduct of the house.</p>	
18)	<p>Define the concept of judicial review and discuss its significance in the context of constitutional governance. Analyze the power of courts to review and potentially invalidate laws, executive actions, and policies that are deemed unconstitutional. Evaluate how judicial review serves as a check on the powers of the legislature and executive, and discuss its role in safeguarding fundamental rights and maintaining the rule of law. Provide examples of judicial review in practice, focusing on landmark cases that have shaped the interpretation of the constitution. Furthermore, assess the impact of judicial review on the balance of power within a democratic system.</p> <p style="text-align: center;">Or</p> <p>Discuss the various mechanisms and provisions in place to ensure the independence of the judiciary in India. Analyze the constitutional safeguards that protect judges from undue influence or interference, such as the process of appointment, tenure, and removal. Examine the role of judicial appointments, the collegium system, and the security of tenure as vital factors in maintaining judicial independence. Assess the significance of financial autonomy and the absence of executive control over judicial functions.</p>	
	<p>Short Answer Questions (4 mark each)</p>	
19)	<p>Explain the term political participation in the light of the citizens of a country.</p> <p style="text-align: center;">Or</p> <p>What is the role of the Public Interest Litigation (PIL) in the Indian Judiciary?</p>	
20)	<p>Differentiate between the jurisdiction of the Supreme Court and High Courts</p> <p style="text-align: center;">Or</p> <p>What are the advantages of a federal structure of government in India?</p>	
21)	<p>How does the Indian Constitution provide for a strong Centre despite being a federal system?</p> <p style="text-align: center;">Or</p> <p>What is the role of the Governor in the federal system of India?</p>	
22)	<p>What are rights and why are they important? What are the bases on which claims to rights can be made?</p> <p style="text-align: center;">Or</p> <p>Do you think that Judicial activism can lead to a conflict between the Judiciary and the executive? Why?</p>	
23)	<p>Discuss the significance of the Indian National Movement in shaping modern Indian nationalism.</p> <p style="text-align: center;">Or</p> <p>Explain the relationship between Citizenship and Nationalism in the context of India.</p>	

Case Study (4 marks)	
24)	<p>Read the text carefully and answer the questions:</p> <p>Machal Lalung was 23 when he was arrested. A resident of Chuburi village of Morigaon district of Assam, Machal was charged of causing grievous injuries. He was found mentally too unstable to stand trial and was sent as under trial to Lok Priya Gopinath Bordoloi Mental Hospital in Tejpur for treatment. Machal was treated successfully and doctors wrote twice to jail authorities in 1967 and 1996 that he was fit to stand trial. But no one paid any attention. Machal Lalung remained in “judicial custody.” Machal Lalung was released in July 2005. He was 77 then. He spent 54 years under custody during which his case never came up for hearing. He was freed when a team appointed by the National Human Rights Commission intervened after an inspection of undertrials in the State.</p> <p>Which of the following rights is addressed in the given Machal Lalung’s case study?</p> <p>a)Right to life and personal liberty b)Right to freedom of religion c)Right against exploitation d)Right to Dignity</p> <p>Following an examination of pending cases in the State, a team from the _____ played an active role to free Machal Lalung.</p> <p>a)Priya Gopinath Bordoloi Commission b)Human Rights Nation Commision c)Consumer Redressal Commission d)National Human Rights Commission</p> <p>Machal’s entire life was wasted because _____.</p> <p>a)He was declared mentally unstable to stand trial b)Proper trial against him never took place c)A team of social scientists never paid any attention d)He was declared mentally stable to stand trial</p> <p>Machal’s case shows what happens when _____.</p> <p>a)A person is arrested without being told the grounds for such an arrest. b)Freedom of conscience and free profession, practice and propagation of Religion is not available. c)All of these d)Rights granted by the Constitution are not available in practice.</p>
25)	<p>In the given outline political map of India, four states have been marked as (A) (B) (C) and (D). Identify these states on the basis of the information given below and write their correct names in your answer book, along with their respective serial number of the information used and the concerned alphabets as per the following format:-</p>

	<p>a. The states where women put a ban on the sale of arrack and stopped its auction.</p> <p>b. State which is related with article 370 of the Indian constitution.</p> <p>c. State from where the J.P. Narayan demanded the dismissal of congress govt. in 1974.</p> <p>d. State which is highly affected the Naxalites.</p> 	
<p>26)</p>	<p>Look at the given cartoon. Read the following statement and question. Answer as per requirement:</p>  <p>a. What do these different people stand for?</p> <p>b. Compare the conflict depicted here with the European Union and India.</p>	
	<p>Long Answer Questions (6 mark each)</p>	
<p>27)</p>	<p>Citizenship as full and equal members of a political community involves both rights and obligations. Which rights could citizens expect to enjoy in most democratic states today? What kind of obligations will they have to their state and fellow citizens?</p> <p style="text-align: center;">Or</p> <p>Explain the various types of liberty and analyse their significance in the context of individual rights and freedoms. Discuss the key distinctions between positive and negative liberty, focusing on their philosophical foundations and implications for personal freedom.</p>	
<p>28)</p>	<p>Distinguish between political equality and social equality, and analyse their respective roles in a democratic society. Discuss the key</p>	

	<p>characteristics of political equality, such as equal voting rights, representation, and participation in the political process. Contrast this with social equality, which focuses on the equal distribution of resources, opportunities, and treatment in areas like education, employment, and social services.</p> <p style="text-align: center;">Or</p> <p>Discuss four significant changes that were introduced to the Panchayati Raj System under the 73rd Constitutional Amendment. Analyse the impact of these changes on local governance and democratic decentralization. Highlight the introduction of mandatory elections at the Panchayat level, the reservation of seats for women and marginalized communities, the establishment of the State Election Commission, and the introduction of the Gram Sabha as a decision-making body. Evaluate how these reforms have strengthened the participation of rural populations in governance, promoted grassroots democracy, and contributed to social inclusion. Additionally, assess the challenges faced in implementing these reforms effectively at the local level</p>	
29)	<p>"List and explain the main features of the Indian Constitution that grant greater power to the central government than the state governments. Analyse the rationale behind these provisions and their impact on the structure of federalism in India. Discuss the significance of the Union List, which enumerates subjects under the exclusive jurisdiction of the central government, and compare it with the State List and Concurrent List. Examine the powers of the President, including the use of emergency provisions like Article 352, and their effect on the distribution of power. Evaluate how these constitutional provisions have shaped the centralization of authority, particularly in times of national crises, and discuss the balance between central and state powers in the Indian federal system.</p>	
30)	<p>Discuss the key characteristics of Indian secularism and analyse how they distinguish it from other forms of secularism practiced around the world. Explore the principles of equal respect for all religions, non-interference of the state in religious affairs, and the promotion of religious tolerance.</p> <p style="text-align: center;">Or</p> <p>Is politics different from political science? Justify your answer by explaining the distinction between the two concepts and analysing their respective roles in understanding governance and power dynamics. Discuss how politics refers to the practical activity of making decisions, forming policies, and exercising power, often within political parties, governments, and institutions. In contrast, explain how political science is the systematic study and analysis of these activities, focusing on theories, principles, and frameworks that help explain political processes and behaviour. Evaluate how the relationship between politics and political science enhances our understanding of real-world political phenomena, and explore the overlap and interdependence between the two fields in shaping political knowledge and practice.</p>	



WINTER BREAK ASSIGNMENT
SESSION (2024-25)
SUBJECT – PSYCHOLOGY (037)
CLASS- XI

General Instructions:

1. The assignment includes all topics covered from April – December.
2. The date of submission of this assignment is 07 January 2025
3. The assignment is to be attempted in classwork registers.
4. The assignment is prepared on the pattern of Annual Examination 2025.
5. Neatness & timely submission of assignments carries extra marks.

1	The recognition process that begins from the whole, which leads to identification of its various components is known as top-down processing. True/false	1
2	The tip of the tongue phenomenon is an example of difficulty in A. Encoding B. Storage C. Retrieval D. Sensory memory	1
3	Which type of memory involves conscious recollection of facts and events? A. Procedural memory B. Declarative memory C. Episodic memory D. Semantic memory	1
4	The ability to perceive objects as stable despite changes in the sensory information is known as A. Closure B. Constancy C. Figure ground perception D. Proximity	1
5	Which amongst the following is a monocular cue of depth perception A. Aerial perspective B. Linear perspective C. Gradient texture D. All of the above.	1

	<p>The duration of sensory memory is</p> <ul style="list-style-type: none"> a) One second b) Less than one second c) More than one second d) More than two second 	
6	<p>Persons high in achievement motivation tend to prefer tasks that are moderately difficult and challenging - True / False</p>	1
7	<p>Memory of general awareness and knowledge is termed as:</p> <ul style="list-style-type: none"> a) Semantic memory b) STM c) Sensory memory d) Sensory memory 	1
8	<p>A memory system for permanently storing, managing and retrieving information for further use is:</p> <ul style="list-style-type: none"> a) Short term memory b) Long term memory c) Explicit memory d) Implicit memory 	1
9	<p>Arrange the needs hierarchy in the correct order as per Maslow (from the lowest to the highest level)</p> <ul style="list-style-type: none"> a) Safety needs - physiological needs - belongingness needs - selfactualisation - esteem needs b) Physiological needs - belongingness needs - safety needs -esteem needs - self actualisation c) Physiological needs - safety needs - belongingness needs -esteem needs - esteem needs - self actualisation d) Belongingness needs - safety needs - physiological needs -esteem needs self actualisation needs 	1
10	<p>Watson and Pavlov both contributed to which school of psychology?</p> <ul style="list-style-type: none"> a. functionalism b. cognitive c. social-cultural d. behaviourism 	1

11	Focusing on a single characteristics is: [A] Egocentrism [B] Animism [C] Centration [D] None of these	1
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12	What is the stage called where children move to one or more words which are combined to form whole sentences or phrases. a. Echolalia b. Holophrases c. Telegraphic speech d. Babbling	1
13	_____ was of the view that facial expressions for basic emotions are inborn and universal. a. James Lange b. Cannon bard c. Maslow d. Darwin	1
14	_____ believed that thought not only determines language, but also precedes it. a. Jean Piaget b. Benjamin Lee Whorf c. Lev Vygotsky d. Noam Chomsky	1
15	The feeling of hunger is regulated by which part of the brain? a. Hippocampus b. Amygdala c. Hypothalamus d. Frontal cortex	1
16	The kind of reasoning that begins with an assumption is called Inductive reasoning True / False	1
17	The ability to perceive objects as stable despite changes in the sensory information is known as A. Closure B. Constancy C. Figure ground perception D. Proximity	1

18	Which amongst the following is a monocular cue of depth perception A. Aerial perspective B. Linear perspective C. Gradient texture D. All of the above.	1
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19	Explain with a diagram the idea proposed by Hermann Ebbinghaus.	2M
20	What is the law of similarity. Explain with a diagram.	2M
21	Elaborate the theory of Atkinson and Shiffrin. OR Write a note on the different types of LTM with examples.	2M
23	How can one distinguish figure from the ground? OR How do socio cultural factors influence our perception?	2M

	Describe the characteristics of memory.	
24	Explain the concept of motivation.	3m
26	Explain any 1 cause of forgetting.	3m
28	Distinguish between: declarative and procedural memory	3m

29	How does the need for power influence the behaviour of adolescents? Explain with examples. What are the obstacles to problem solving? OR What is the basic idea behind Maslow's hierarchy of needs? Explain with suitable examples.	4M
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