Bal Bharati
PUBLIC SCHOOL

PRE TERM EXAM (2018 - 19)
SUBJECT - MATHEMATICS
CLASS - X
SET - A

Time allowed -3 Hours Max. Marks - 80

Date: 16/07/2018

General Instructions:

(i) All questions are compulsory.

(ii) The question paper consists of 30 questions divided into four sections **A, B, C** and **D.**

(iii) Section A contains 6 questions of 1 mark each. Section B contains 6 questions of 2 marks each. Section C contains 10 questions of 3 marks each. Section D contains 8 questions of 4 marks each.

SECTION A

Q1. After how many decimal places the rational number $\frac{47}{2^3 \times 5^2}$ terminates?

Q2. Form a quadratic polynomial whose zeroes are $2 + \sqrt{3}$ and $2 - \sqrt{3}$.

Q3. For what value of k, will the pair of linear equations $kx + 2y = 5$ and $3x + y = 1$ has unique solution?

Q4. Find the value of $\sec 15^0 - \text{cosec } 75^0$

Q5. Find the value x, if $\cos (4x - 10^0) = 0$.

Q6. In ΔABC, $\angle B = 90^0$. BD is perpendicular to AC. If AD = a and CD = b, then find AB^2 in terms of a and b.

SECTION B

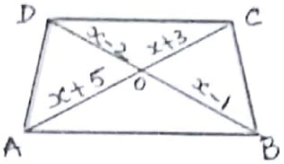
Q7. Use Euclid's division algorithm to find the HCF of 867 and 255.

Q8. If ∞ and β are the zeroes of the polynomial $6x^2 - 7x + 2$, then find the value of $1/\infty + 1/\beta$

Q9. In ΔABC, $\angle B = 90^0$, BC = 5cm, AC – AB = 1, evauate $\frac{1 + \sin C}{\cos C}$

Q10. If the areas of two similar triangles are equal, prove that they are congurent.

Q11. In the figure, if AB II DC, find the value of x.

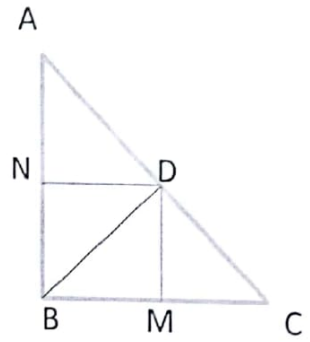


Q12. Find the value of k for which the equations $2x + 3y = 4$;
$(k+2)x + 6y = 3k + 2$ has infinitely many solution.

SECTION C

Q13. Prove $\sqrt{3}$ is irrational and hence prove that $6 + \sqrt{3}$ is irrational.

Q14. In the given figure, D is a point on hypotenuse AC of ΔABC. BD is perpendicular to AC. DM is perpendicular to BC and DN perpendicular to AB. Prove that $DM^2 = DN . MC$.



Q15. Show that square of any positive integer is of the form 4m or 4m +1, where m is any integer..

Q16. The sum of the digits of a two digit number is 9. Also, nine times this number is twice the number obtained by reversing the order of the number. Find the number

Q17. Find the zeroes of the polynomial $9x^2 - 1$ and verify the relationship between zeroes and the coefficients.

Q18. On dividing $3x^3 + 4x^2 + 5x - 13$ by a polynomial g(x), the quotient and remainders were $3x + 10$ and $16x - 43$ respectively. Find g (x)

Q19. Evaluate: $3\left[\frac{\cos 43^0}{\text{Sin } 47^0}\right]^2 - \frac{\cos 37^0 \text{ cosec } 53^0}{\tan 5^0 \tan 25^0 \tan 45^0 \tan 65^0 \tan 85^0}$

Q20. Solve graphically: $2x - y + 3 = 0$; $x - y - 1 = 0$

Q21. Prove that the sum of the squares of the sides of a rhombus is equal to the sum of the squares of its diagonals.

Q22. Find the value of $\text{Sin}60^0$ geometrically.

SECTION D

Q23. Prove that only one of the numbers n, n + 1 or n + 2 is divisible by 3, where n is any positive integer.

Q24. If cosec A = 5/3, evaluate $\frac{4 \sec A - 2 \tan A + 5 \sin A}{20 \cos A - 3 \text{ cosec } A + 9 \cot A}$

Q25. If a line is drawn parallel to one side of a triangle to intersect the other two sides in distinct points, then the other two sides are divided in the same ratio. Prove this.

Q26. Obtain all other zeroes of the polynomial $x^4 + 4x^3 - 2x^2 - 20x - 15$ if two of the zeroes are $\sqrt{5}$ and $-\sqrt{5}$.

Q27. What must be subtracted from the polynomial $x^4 + 2x^3 - 4x^2 + 6x - 3$ so that it becomes exacty divisible by $x^2 - x + 1$

Q28. Solve for x and y:

$$\frac{1}{3x + y} + \frac{1}{3x - y} = \frac{3}{4}$$

$$\frac{1}{2(3x + y)} - \frac{1}{2(3x - y)} = \frac{-1}{8}$$

Q29. A boat can go 30 km upstream and 20 km downstream in 7 hours. In 6 hours it can go 18 km upstream and 30 km downstream. Find the speed of the stream and the boat in still water.

Q30. The perpendicular from A on the side BC of a triangle ABC intersects BC at D such that DB = 3 CD. Prove that $2AB^2 = 2AC^2 + BC^2$

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PRE TERM EXAM (2018 - 19)
SUBJECT - MATHEMATICS
CLASS - X
SET - B

Time allowed -3 Hours

Max. Marks - 80

Date: 16/07/2018

General Instructions:

(i) All questions are compulsory.

(ii) The question paper consists of 30 questions divided into four sections **A, B, C** and **D.**

(iii) Section A contains 6 questions of 1 mark each. Section B contains 6 questions of 2 marks each. Section C contains 10 questions of 3 marks each. Section D contains 8 questions of 4 marks each.

SECTION A

Q1. After how many decimal places the rational number $\frac{57}{2^2 \times 5^4}$ terminates?

Q2. Form a quadratic polynomial whose zeroes are $3 + \sqrt{2}$ and $3 - \sqrt{2}$.

Q3. For what value of k, will the pair of linear equations $kx + 2y = 5$ and $3x + y = 1$ has no solution?

Q4. Find the value of $\sec 18^0 - \text{cosec } 72^0$

Q5. Find the value x, if $\cos (4x - 10^0) = 0$.

Q6. In ΔABC, $\angle B = 90^0$. BD is perpendicular to AC. If AD = a and CD = b, then find AB^2 in terms of a and b.

SECTION B

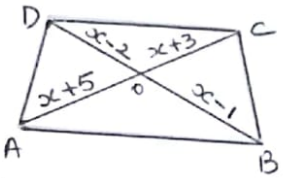
Q7. Use Euclid's division algorithm to find the HCF of 135 and 225.

Q8. If ∞ and β are the zeroes of the polynomial $2x^2 + 3x + 5$, then find the value of $1/\infty + 1/\beta$

Q9. In ΔABC, $\angle B = 90^0$, BC = 5cm, AC – AB = 1, evauate $\frac{1 + \sin C}{\cos C}$

Q10. ABC is an isoscles triangle with AC = BC. If $AB^2 = 2\,AC^2$, prove that ABC is a right triangle.

Q11. In the figure, if AB II DC, find the value of x.

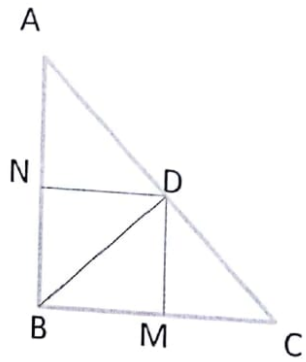


Q12. Find the value of k for which the equations $2x + 3y = 7$;
$(k+1)x + (2k - 1)y = 4k + 1$ has infinitely many solution.

SECTION C

Q13. Prove $\sqrt{2}$ is irrational and hence prove that $6 + \sqrt{2}$ is irrational.

Q14. In the given figure, D is a point on hypotenuse AC of ΔABC. BD is perpendicular to AC. DM is perpendicular to BC and DN perpendicular to AB. Prove that $DM^2 = DN.\ MC$.



Q15. Show that square of any positive integer is of the form 4m or 4m +1, where m is any integer.

Q16. The sum of the numerator and denominator of a fraction is 8. If 3 is added to the numerator and denominator, the fraction becomes 3/4. Find the fraction.

Q17. Find the zeroes of the polynomial $4x^2 + 8x$ and verify the relationship between zeroes and the coefficients.

Q18. On dividing $3x^3 + 4x^2 + 5x - 13$ by a polynomial g(x), the quotient and remainders were $3x + 10$ and $16x - 43$ respectively. Find g (x)

Q19. Evaluate: $2\left[\frac{\tan 72^0}{\cot 18^0}\right]^2 - \frac{\cos 37^0 \operatorname{cosec} 53^0}{\tan 5^0 \tan 25^0 \tan 45^0 \tan 65^0 \tan 85^0}$

Q20. Solve graphicaly: $x + 3y = 6$; $2x - 3y = 12$

Q21. BL and CM are medians of a triangle ABC right angled at A. Prove that

$4 (BL^2 + CM^2) = 5 BC^2$

Q22. Find the value of $\sin 30^0$ geometrically.

SECTION D

Q23. A boat can go 30 km upstream and 20 km downstream in 7 hours. In 6 hours it can go 18 km upstream and 30 km downstream. Find the speed of the stream and the boat in still water.

Q24. If $\operatorname{cosec} A = 5/3$, evaluate $\frac{4 \sec A - 2 \tan A + 5 \sin A}{20 \cos A - 3 \operatorname{cosec} A + 9 \cot A}$

Q25. Prove that, in a right triangle the square of the hypotenuse is equal to the sum of the squares of the other two sides.

Q26. Obtain all other zeroes of the polynomial $x^4 + x^3 - 9x^2 - 3x + 18$ if two of the zeroes are $\sqrt{3}$ and $-\sqrt{3}$.

Q27. If the remainder on dividing the polynomial $x^3 + 2x^2 + kx + 3$ by $x - 3$ is 21, find the value of k. and the quotient.

Q28. Solve for x and y:

$$\frac{10}{x+y} + \frac{2}{x-y} = 4$$

$$\frac{15}{x+y} - \frac{5}{x-y} = -2$$

Q29. Prove that only one of the numbers n, n + 1 or n + 2 is divisible by 3, where n is any positive integer.

Q30. In an equilateral triangle ABC, D is a point on the side BC such that $BD = 1/3\ BC$. Prove that $9 AD^2 = 7 AB^2$

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PRE TERM EXAMINATION(2018-19)
SUBJECT : SCIENCE & TECHNOLOGY
CLASS - X (SET A)

Time : 3 Hrs. **M. Marks: 80**

Exam Date :23.07.18 **Prepared by : T.Khurana, I.Mishra, V.Oberoi**

General Instructions:

i) The question paper comprises two sections, A and B. You are to attempt both the sections.
ii) All questions are compulsory.
iii) All questions of Section A and Section B are to be attempted separately.
iv) Question No 1 and 2 in Section A are one mark questions. They are to be answered in one word or in one sentence.
v) Question No 3 to 5 in Section A are two mark questions. They are to be answered in about 30 words each.
vi) Question No 6 to 15 in Section A are three mark questions. They are to be answered in about 50 words each.
vii) Question No 16 to 21 in Section A are five mark questions. They are to be answered in about 70 words each.
viii) Question No 22 to 27 in Section B are based on practical skills. Each question is a two marks question. These are to be answered in brief.
ix) **USE OF UNFAIR MEANS DURING EXAMS IS STRICTLY PROHIBITED. A CANDIDATE FOUND GUILTY OF USING ANY OF THE UNFAIR MEANS WILL BE DISQUALIFIED AND DEBARRED FROM APPEARING FOR ANY OF THE EXAMINATIONS FOR ONE YEAR.**

SECTION – A

Q.1 Name the following:

a) The part of chloroplast where the light reaction of photosynthesis takes place.
b) Upward movement of water and minerals in plants. 1

Q.2 A wire of resistivity 'rho' is stretched to double its length. What is its new resistivity? 1

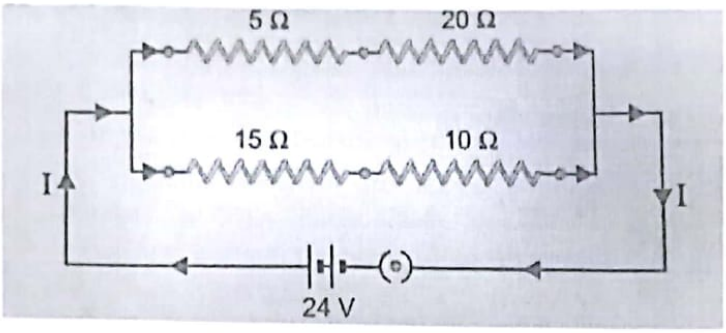
Q.3 Why are filaments of incandescent lamps made of thin tungsten wire? 2

Q.4 What change in colour is observed when white silver chloride is left exposed to sunlight? State the type of chemical reaction in this change. 2

Q.5 DDT that was sprayed in minute amount on food plants was detected in high concentration in man? How did it happen? Explain. 2

Q.6 A 24 V battery is connected to the arrangement of resistances as shown in the fig.

Calculate (i) the total effective resistance of the circuit. (ii) the total current flowing in the circuit.



3

Q.7 . List the factors on which the resistance of a conductor depends. 3

Q.8 State the role of a) decomposers in the ecosystem?

How would you dispose the following wastes:
(a) domestic wastes like vegetables peels
(b) industrial wastes 3

Q. 9 What will happen if –

a) There are no RBC in human blood.
b) Human heart is not divided into four separate chambers.
c) Rings of cartilage are not present in the trachea. 3

Q.10 Several electric bulbs designed to be used on a 220 V electric supply line are rated 10 W each. How many lamps can be connected in parallel with each other across the two wires of 220 V line, if the maximum allowable current is 5 A? 3

Q.11 (i) Why Diffusion is insufficient to meet the requirements of multicellular organisms like humans.

(ii) Answer the following questions based on experiment on photosynthesis-

a) Why are leaves boiled in alcohol while testing for presence of starch?
b) Why is the plant kept in dark for about three days while performing test for presence of chlorophyll? 3

Q.12 The amount of energy that will be coming from the sun is 250000 joules. Calculate the amount of energy available to plants, Insect, Frog and Snake in the following food chain. Also explain the law behind it. 3

Sun → Plants → Insect → Frog → Snake

Q.13 a) Using balanced chemical equation explain the difference between a displacement reaction and a double displacement reaction.

b) Why are packets of chips flushed with nitrogen gas ? 3

Q.14 a) Explain oxidation and reduction in terms of gain or loss of oxygen with one example of each.

b) Identify the substance that is oxidized and the substance that is reduced in the reaction given below: $4Na + O_2 \longrightarrow 2\ Na_2O$ 3

Q.15 State the type of chemical reactions with chemical equations that take place in the following ;

a) Magnesium wire is burnt in air .

b) Ammonia and hydrogen chloride gases are mixed

c) Zinc reacts with dilute hydrochloric acid. 3

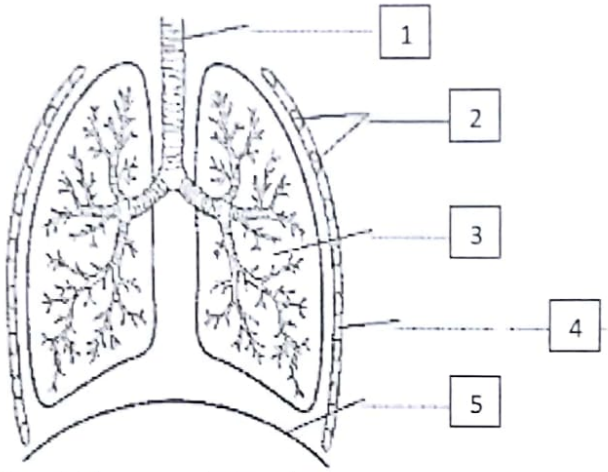
Q.16 (a) Define 'electric power'. Give its SI unit.

(b) An electric bulb is rated at 220 V – 100 W. What is its resistance? Five such bulbs burn for four hours. What is the electrical energy consumed? Calculate the cost if the rate is 50 paise per unit. 5

Q.17 Draw the given diagram and label the organ that produces bile and also the organ that stores bile juice. And answer the questions given below-

a) Bile juice contains no enzyme then why is it important for digestion?
b) Gastric juice and HCl do not digest the walls of stomach. 5

Q.18 Label the given diagram and a) State the role of Alveoli and diaphragm.



b) Mention the events which occur during the process of aerobic respiration. Represent the process in the form of word equation. 5

Q.19 (a) Draw a diagram to show the pattern of magnetic field lines around a straight current carrying conductor.

(b) List two factors on which the magnitude of its magnetic field depends.

(c) State the rule used to determine the direction of the magnetic field. 5

Q.20 Translate the following statements into chemical equations and then balance them.

a) Hydrogen gas combines with nitrogen to form ammonia.

b) Hydrogen sulphide gas burns in air to give water and sulphur dioxide.

c) Barium chloride reacts with aluminium sulphate to give aluminium chloride and a precipitate of barium sulphate .

d) Calcium hydroxide reacts with carbon dioxide gas to form a precipitate of calcium carbonate and water .

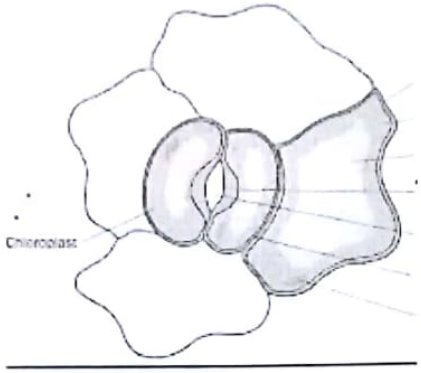
e) iron reacts with steam. 5

Q.21 a) Write three chemical properties of acids . Support your answer with chemical equations .

b) Metal compound A reacts with dilute hydrochloric acid to produce effervescence. The gas evolved extinguishes a burning candle. Write a balanced chemical equation for the reaction if one of the compounds formed is calcium chloride . 5

SECTION – B

Q.22 Identify, Draw and label the given diagram.



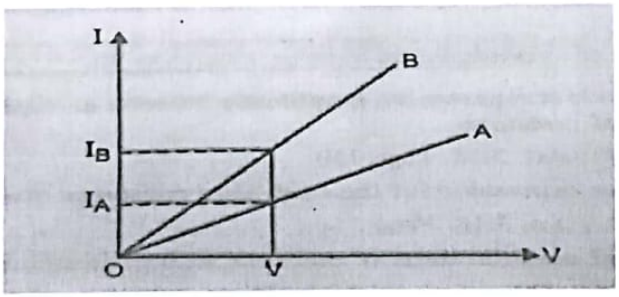
b) List any two functions of the structure drawn. 2

Q.23 The values of I flowing in a given resistor for the corresponding values of potential difference V across the resistor are given below:

I (ampere)	0.5	1.0	2.0	3.0	4.0
V(volt)	1.6	3.4	6.7	10.2	13.2

Plot a graph between V and I and calculate the resistance of the resistor. (2)

Q.24 Graphs between electric current and potential difference across two conductors A and B are as shown below. Which of the two conductors has more resistance? Explain. (2)



Q.25 Solution A is dilute Hydrochloric acid . Solution B is Ammonium Hydroxide .Give the colour of phenolphthalein and methyl orange in the above solutions. 2

Q.26 List the steps of preparation of temporary mount of leaf epidermis in sequence.2

Q.27 What changes in the colour of iron nails and copper sulphate solution do you observe after keeping the iron nails dipped in copper sulphate solution for about 30 minutes? 2

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PRE TERM EXAMINATION(2018-19)
SUBJECT : SCIENCE & TECHNOLOGY
CLASS - X (SET B)

Time : 3 Hrs. **M. Marks: 80**

Exam Date : 23.07.18 **Prepared by : T.Khurana, I.Mishra, V.Oberoi**

General Instructions:

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SECTION – A

Q.1 Name the following:

a) The part of chloroplast where the dark reaction of photosynthesis takes place.
b) Movement of food in various directions in plants. 1

Q.2 A wire of resistivity 'rho' is stretched to double its length. What is its new resistivity? 1

Q.3 Why is nichrome used as a heating element? 2

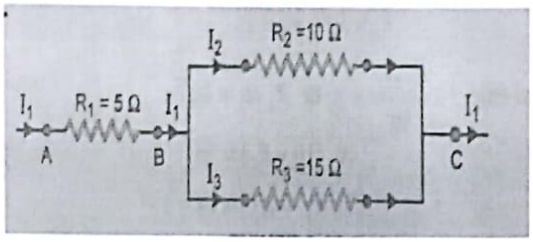
Q.4 A shiny brown coloured element 'X' on heating in air becomes black in colour . Name the element 'X' and the black coloured compound formed. 2

Q.5DDT that was sprayed in minute amount on food plants was detected in high concentration in man? How did it happen? Explain. 2

Q.6 Three resistors are connected as shown in the fig. Through the resistor of 5 ohm, a current of 1 A is flowing. (i) What is the potential difference across AB and across AC? 3

(ii) What is the current through the other resistors?

(iii) What is the total resistance?



Q.7 List the factors on which the resistance of a conductor depends. 3

Q.8 Justify the statement b)There is a need to ban the use of polythene bags? 3

How would you dispose the following wastes:
(a) domestic wastes like vegetables peels
(b) industrial wastes

Q. 9 What will happen if –

a) There are no WBC in human blood.
b) There are no valves in the heart.
c) Rings of cartilage are not present in the trachea. 3

Q.10 Several electric bulbs designed to be used on a 220 V electric supply line are rated 10 W each. How many lamps can be connected in parallel with each other across the two wires of 220 V line, if the maximum allowable current is 5 A? 3

Q.11 (i) Why is small intestine in herbivores longer than the small intestine of carnivores.

(ii) Answer the following questions based on experiment on photosynthesis-

c) Why are leaves boiled in alcohol while testing for presence of starch?
d) Why is the plant kept in dark for about three days while performing test for presence of chlorophyll? 3

Q.12 The amount of energy that will be coming from the sun is 350000 joules. Calculate the amount of energy available to plants, Insect, Frog and Snake in the following food chain. Also explain the law behind it. 3

Sun ⟶ Plants ⟶ Insect ⟶ Frog ⟶ Snake

Q.13 State the type of chemical reactions with chemical equations that take place in the following ;

a) Magnesium wire is burnt in air .

b) Ammonia and hydrogen chloride gases are mixed

c) Zinc reacts with dilute hydrochloric acid. 3

Q.14 a) Using balanced chemical equation explain the difference between a displacement reaction and a double displacement reaction.

b) Why are packets of chips flushed with nitrogen gas ? 3

Q.15 a) Explain oxidation and reduction in terms of gain or loss of oxygen with one example of each.

b) Identify the substance that is oxidized and the substance that is reduced in the reaction given below: $2Mg + O_2 \longrightarrow 2MgO$ 3

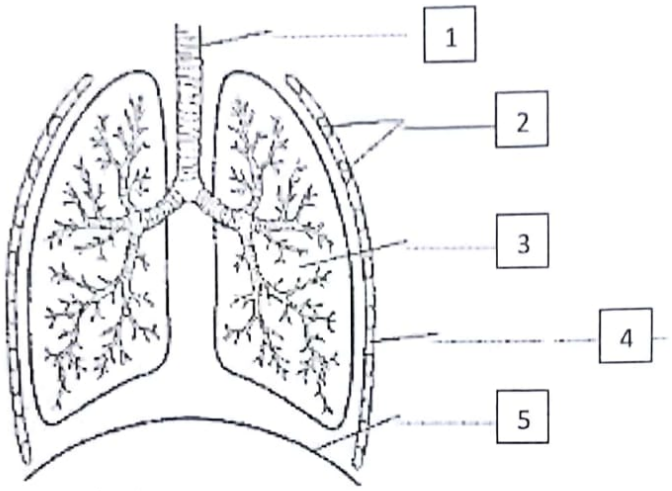
Q.16 (a) Define 'electric power'. Give its SI unit.

(b) An electric bulb is rated at 220 V – 100 W. What is its resistance? Five such bulbs burn for four hours. What is the electrical energy consumed? Calculate the cost if the rate is 50 paise per unit. 5

Q.17 Draw the given diagram and label the organ that has villi and also the organ that secretes Pancreatic juice. And answer the questions given below-

c) Bile juice contains no enzyme then why is it important for digestion?
d) Gastric juice and HCl do not digest the walls of stomach. 5

Q.18 Label the given diagram and a) State the role of Alveoli and diaphragm.



b) Mention the events which occur during the process of anerobic respiration. Represent the process in the form of word equation. 5

Q.19 (a) Draw a diagram to show the pattern of magnetic field lines associated with a current carrying circular loop.

(b) List two factors on which the magnitude of its magnetic field at the centre depends.

(c) State the rule used to determine the polarities of the faces of the current carrying circular loop. 5

Q.20 Translate the following statements into chemical equations and then balance them.

a) Methane burns in oxygen to produce water and carbondioxide.

b) Hydrogen sulphide gas burns in air to give water and sulphur dioxide.

c) Barium chloride reacts with aluminium sulphate to give aluminium chloride and a precipitate of barium sulphate .

d) Calcium hydroxide reacts with sulphur dioxide gas to form a precipitate of calcium sulphite and water .

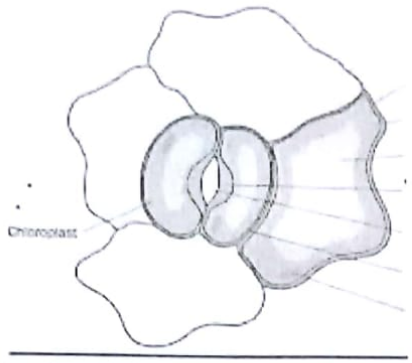
e) iron reacts with steam. 5

Q.21 a) Write three chemical properties of bases . Support your answer with chemical equations .

b) Metal compound A reacts with dilute hydrochloric acid to produce effervescence. The gas evolved extinguishes a burning candle. Write a balanced chemical equation for the reaction if one of the compounds formed is calcium chloride . 5

SECTION – B

Q.22 Identify, Draw and label the given diagram.



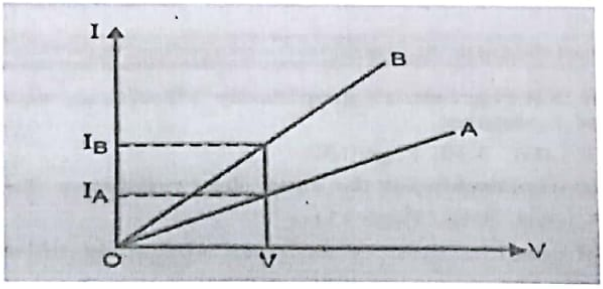
x) List any two functions of the structure drawn. 2

Q.23 The values of I flowing in a given resistor for the corresponding values of potential difference V across the resistor are given below:

I (ampere)	0.5	1.0	2.0	3.0	4.0
V(volt)	1.6	3.4	6.7	10.2	13.2

Plot a graph between V and I and calculate the resistance of the resistor. 2

Q.24 Graphs between electric current and potential difference across two conductors A and B are as shown below. Which of the two conductors has more resistance? Explain. 2



Q.25 What changes in the colour of iron nails and copper sulphate solution do you observe after keeping the iron nails dipped in copper sulphate solution for about 30 minutes? 2

Q.26 List the steps of preparation of temporary mount of leaf epidermis in sequence.2

Q.27 Solution A is a dilute Sulphuric acid . Solution B is Potassium hydroxide .Give the colour of red litmus paper and methyl orange in the above solutions. 2

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PRE-MIDTERM EXAM (2018-19)
SUBJECT: FINANCIAL MARKET MANAGEMENT
CLASS – X (SET A)

Time : 2 hours
Exam Date : 9/7/18
Name : _____
Class & Sec: _____
Roll No: _____

M. Marks:
Prepared by: M. Gulati

General Instructions

- The question paper has 4 Sections
- Section A has 8 questions of 1 mark each
- Section B has 10 questions of 2 marks each
- Section C has 3 questions of 4 marks each
- Section D has 2 questions of 5 marks each
- Answer neatly in the space provided.
- **USE OF UNFAIR MEANS DURING EXAMS IS STRICTLY PROHIBITED. A CANDIDATE FOUND GUILTY OF USING ANY OF THE UNFAIR MEANS WILL BE DISQUALIFIED AND DEBARRED FROM APPEARING FOR ANY OF THE EXAMINATIONS FOR ONE YEAR.**

SECTION A

I **Encircle the correct answer :-** **(1x8 = 8 marks)**

a) Interest is an amount charged to the .

i) lender ii) borrower iii) middleman iv) SEBI

b) Debentures are types of

i) Financial asset ii) Physical asset iii) Liability iv) Equity

c) Securities market allow buying of selling of

i) Gold ii) Shares iii) Commodities iv) Real estates

d) Participants of securities market

i) Issuers of security ii) Merchant banker iii) Borrowers of security iv) All of them

e) When a security is sold below its face value, it is said to be issued at a

i) Premium ii) Discount iii) Profit iv) Loss

f) Types of shares issued to a selected group of people under section 81 of Companies Act

1956 are known as

i) Fresh Issue ii) Offer for sale iii) Rights Issue iv) Preferential Issue

g) Price at which company shares are offered initially in the primary Market

i) Floor Price ii) Cut-off Price iii) Price Band iv) Issue Price

h) Prospectus of a company is prepared by

i) Merchant Bankers ii) SEBI iii)NSE iv) Auditor of the company

SECTION B

II **Give one line answers for the following:-** **(2 x 10 = 20 marks)**

a) What is a Debt Instrument?

b) Name any four long term financial options available for investment?

c) Who regulates the securities market?

d) Why do securities market need regulators?

e) Why is it necessary to transact through an intermediary?

f) Who is meant by face value of a share ?

g) What is an Initial Public Offer?

h) A company issues shares 100,000 shares and the current price share price is 50. What is market capitalization of the company?

i) What is "Draft offer document"?

j) What is the role of Registrar to an issue?

III **Answer the following questions briefly:-** **(3 x 4 = 12 marks)**

a) How are Mutual Funds considered as financial intermediaries?

b) What is meant by 'Securities' as per SCRA 1956 ?

c) What are the different types of shares that a company issues? Explain Briefly

SECTION D

IV **Answer the following questions in detail:-** **(2 x 5 = 10 marks)**

a) Can companies in India raise foreign currency resources? If so, how?

b) Apart from Statutory Powers of SEBI, what are the other powers that SEBI has? Explain any five/

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PRE-MIDTERM EXAM (2018-19)
SUBJECT: FINANCIAL MARKET MANAGEMENT
CLASS – X (SET B)

Time : 2 hours
Exam Date : 9/7/18
Name : _____
Class & Sec:_____
Roll No:_____

M. Marks: 50
Prepared by: M. Gulati

General Instructions

- The question paper has 4 Sections
- Section A has 8 questions of 1 mark each
- Section B has 10 questions of 2 marks each
- Section C has 3 questions of 4 marks each
- Section D has 2 questions of 5 marks each
- Answer neatly in the space provided.
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SECTION A

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SECTION B

II **Give one line answers for the following:-** **(2 x 10 = 20 marks)**

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