



HOLIDAY HOMEWORK (2017-18)

CLASS - X

ENGLISH

**Do Q-A & B in the Writing Skills note book.*

**Q-C should be done on half chart paper.*

Any other paper of different length or dimension will not be accepted.

Q.A Construct a story around the few characters given below:

a) Rohan : an introvert, no friends, a loner, pessimistic , smart & handsome.

b) Riya : an extrovert, many friends , happy –go-lucky, not beautiful

c) Nikhil : poor, living hand-to-mouth, confident , creative

Q.B What is figure of speech? Make a list of all the figures of speech & give their examples in the form of a sentence for each figure of speech.

Q.C Read about the main features of a POSTER in the first unit of the prescribed Main Course book . Based on that information , design a poster for promoting cleanliness in the surroundings of your colony.

Q. D Do all the units in the workbook till Integrated Practice I

हिंदी

1. पाठ बड़े भाईसाहब में प्रयुक्त कोई दस मुहावरों का चित्रांकन करते हुए वाक्य-प्रयोग करें। यह कार्य चार्ट-पेपर पर करें।
2. हिंदी के वर्तमान वर्चस्व पर एक लेख व्याकरण कॉपी में लिखें।
3. प्रथम इकाई परीक्षा हेतु पठित पाठ्यक्रम का अध्ययन करें व कार्यपत्रिका हलें ।
4. अतिरिक्त पठन हेतु प्रदत्त पुस्तक मोहन राकेश की प्रतिनिधि कहानियाँ की प्रथम तीन कहानियों का अध्ययन करें।

संस्कृत

1. मई मास की कार्यपत्रिका के उत्तर कक्षा-कार्य पुस्तिका में लिखिए व याद कीजिए ।
2. शब्द रूप - मुनि, साधु, तत्, इदम् (तीनों लिंग), गच्छत्, गुणी, विद्वस्, मनस्
3. धातु रूप - परस्मैपदी -अस्, कृ, गम्, आत्मनेपदी - सेव्, रुच् (पाँचों लकार)
(सभी कार्य अभ्यास उत्तर पुस्तिका में लिखें , याद करें)
4. **शब्दकोशनिर्माणम्** - (व्यवसायिपुरुष-वर्ण-शरीरस्य अङ्ग-आत्मीयवर्गानाम् नामानि, कालसम्बद्ध-पाठशालासम्बद्धशब्दाः) - छात्र भित्तिपत्रिका (File) तैयार करेंगे। मूल्यांकन प्रस्तुतीकरण, शुद्ध वर्तनी तथा शुद्ध व्याकरण तथा शब्द-ज्ञान के आधार पर किया जाएगा ।

FRENCH

Subject Enrichment Activity (To be assessed in Cycle - I)

Prepare un itinerarie sur la France. Make a scrap file.

MATHS

ACTIVITY 1.Fibonacci numbers.



Objectives: Exploring Fibonacci numbers in nature.

Description

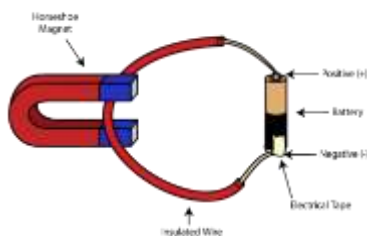
1. Fibonacci numbers are a sequence of numbers i.e, 1, 1, 2, 3, 5, 8, 13, 21, 34-----
The first number of the sequence is 1, the second number is 1, and next term is equal to the sum of the previous two numbers of the sequence itself.
2. Write the next 20 terms of the sequence generated by it.
3. History of the mathematician who gave this concept.
4. Explore in nature the things that correspond to Fibonacci numbers with pictures.
For example: When counting the number of petals of a flower, it is most probable that they will correspond to one of the Fibonacci Numbers.It is seen that:
a)White calla lily has one petal b)Euphorbia have two petals c)Trillium have three petals
d)Columbine have 5 petals
- 5.Explore more such examples with pictures.(give atleast 5examples)
- 6.The homework to be done in A-4 sheets.

ACTIVITY 2

Exemplar questions from the chapters Polynomials,Linear Equations and Real Numbers to be solved in the register.

PHYSICS

“Learn from yesterday, live for today, hope for tomorrow. The important thing is to not stop questioning.” [Albert Einstein](#).



ACTIVITY: Demonstration of the magnetic effect /heating effect of electric current with the help of a model.

OBJECTIVES:

- ❖ Children will learn that when an electric current passes through a conductor, a magnetic field is produced around it and the conductor gets heated up.
- ❖ Children will learn about the various applications that make use of the magnetic effect /heating effect of electric current.

CRITERIA FOR ASSESSMENT:

- ❖ Originality and presentation
- ❖ Creativity & Content
- ❖ Communication skills.
- ❖ Knowledge of the topic

TASKS

- ❖ Students will use any convenient material to make a model or design an activity.
- ❖ Students will respond to questions posed by the teacher and the audience.
- ❖ The presentation will be neatly presented /compiled in a file.

CHEMISTRY

RECOGNIZING LAB SAFETY SIGNS.



Safety in chemistry laboratory is of paramount importance as the conduct of experiments may involve use of hazardous chemicals . Identify the safety signs used in the lab. Prepare a quiz or a crossword puzzle based on the safety signs .

CONDUCT THE FOLLOWING INVESTIGATORY PROJECT

Study of the acidity of different samples of tea leaves and reasons for the variation in their taste .

- ❖ The variation of taste of different samples of tea can be correlated to its acidity as acidity reflects on the tannin content of tea .

GUIDELINES

- ❖ Prepare at least five samples of tea liquor .
- ❖ Using universal indicator or pH paper note the pH of each sample .
- ❖ Prepare observation table stating colour , aroma ,taste and pH of each liquor.

OR

This holiday let's have fun with chemistry and explore it from our kitchen shelves and garden

- ❖ Prepare extract of natural materials like red cabbage leaves , flower petals , tea petals etc. and test with acid – base solutions to find out which of these can act as indicator . Record your observations neatly .
- ❖ Using spices from the kitchen prepare olfactory and colour indicators and detect the nature of at least five everyday materials.



SOME EXAMPLES OF NATURAL COLOUR INDICATORS

GUIDELINES

- ❖ Cotton cloth strips of equal length can be taken and soaked in different indicator solutions and then dried .
- ❖ These strips can thus act as color & olfactory indicators. Use these to find out the nature of a few edible items.
- ❖ Record your observations neatly in a file. Clearly mentioning the substances that were tested and were found to be suitable as an indicator. Mention the color/smell changes observed in each case.

BIOLOGY

- ❖ Diseases and illnesses target all body systems, such as the circulatory, digestive, reproductive, endocrine, neurological, skeletal and muscular systems. Sources of diseases include genetics, bacteria, poor nutrition, viruses, parasites and fungi. Disease types include contagious, noncontagious, gender-related and age-related diseases.



- ❖ Prepare a PowerPoint Presentation related to the case study of any such disorder related to digestive system, respiratory system or circulatory system and e-mail it at bbpsscience.21@gmail.com
1. PPT should not be more than 5 slides.
 2. It should clearly mention the symptoms, prevention and cure of the disease.
 3. The front page of the project should clearly indicate the topic of the project taken along with name, class, section and roll number of the student.
 4. It is an individual project and must be mailed on or before 30th June, 2017.

HISTORY & DP

- Make a power point presentation on life of Hitler.
- Lay emphasis on Hitler's early childhood days, his schooling and college etc.
- Describe his role in the First World War, his rise to power.
- Add music and video to make the PPT more effective.
- Mail it to bbpshistory@gmail.com
- Complete the enrichment activity.(Trace the evolution of the Greek Civilization through models, Charts script for dramatic Presentation)
- Complete the assignment for the month of April and May.(History & DP)
- Assignment questions should be done in the notebook with proper chapter name.

GEOGRAPHY

- A. Choose an earthquake hit area and study the following in that region (preferably recently hit areas)
1. Extent of damage and location of epicenter.
 2. Areas affected.
 3. Ways of minimizing the damage.
 4. Measures to be adopted to keep the inhabitants and tourists safe.
 5. Guidelines to be followed by the people so that they can prevent the losses in the future.
- B. Suggest operations and action plan of a **Rescue and Disaster Management Team** in disaster prone area. Show the probable areas of damage on a map. Also highlight the kind of infrastructural and structural facilities required in such areas.
- C. What could be the early warning symptoms that could be best used in that area ?
- D. How can students play a vital role in creating physically and economically healthier areas ?

ECONOMICS

- I. Study the pictures and answer the following questions:



- i) How is NSEZ connected with economic development of India?
 - ii) Give some of the features connected with 'human development'.
(To be done in Economics notebook.)
- II. Complete the assignment of Chapter 1 and Chapter 2 in Economics notebook.

HOME SCIENCE

1. Play is one of the important components of a child's life and it is one of the major activities that promotes children's imagination and creativity. Children can learn the basic and social skills and develop through play. Also some components such as play materials, play ground and play mate have a considerable role in play. Especially play materials have a positive impact on a child to learn and explore the world with a rich imagination in a joyful way. Previous studies on children's play have stressed on the positive relationship between play and creative thinking ability. In addition, previous studies about play and play materials have shown that in recent years creativity in children's play have declined and the preference of play materials have changed in some

aspects. Therefore main purpose of the present study was to examine creativity in children's play and their preference of play materials in a materialist and technological world.

Considering all the above points make a suitable play material for children between 0 – 3 years

2. Time management is a set of principles, practices, skills, tools and systems that help you use your time to accomplish what you want.



Time management is important for your personal life and career success. It teaches you how to manage your time effectively and make the most of it. Prepare a time plan to self for one day.

FINANCIAL MARKETING MANAGEMENT **(CONCEPTS OF MONEY MANAGEMENT)**

1. Prepare a project on financial products / instruments dealt in Secondary Markets and role played by each product.



2. Complete 10 lessons of NLT software (Function key accelerator). All four levels of each lesson are to be practiced.

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