



ARMY PUBLIC SCHOOL BIRPUR, DEHRADUN

SUMMER HOLIDAY HOMEWORK

SESSION : 2022 – 23

CLASS : VIII

SUBJECT : ENGLISH

1. Make a VOCABULARY DIARY / SCRAPBOOK

Make a VOCABULARY DIARY / SCRAPBOOK for writing down five new words and their meanings everyday. (Five new words that you come across while reading books, newspapers, magazines etc.) Cover the diary / scrapbook creatively and keep it for long term use.

2. Compose a poem / short story / article

Write a self composed poem / short story /article (on any topic) in an A4 sheet. Original & best pieces of writing will be published in the school magazine.

3. Handwriting

Do one page writing in a new notebook everyday and see how your writing improves !

4. Revision

Revise all the literature lessons, poems, writing and grammar topics completed till now.

SUBJECT : HINDI

- 1) वसंत ऋतु में चारों ओर हरियाली और खुशहाली दिखाई देती है, उसी मनोहारी प्राकृतिक दृश्य का चित्र बनाते हुए उसके विषय में अपने विचार प्रस्तुत कीजिए। (नोट - A4 शीट पर एक तरफ चित्र बनाएं तथा दूसरी तरफ लेख लिखें)
- 2) पूरक पुस्तक "भारत की खोज" में से पाठ 1 "अहमदनगर का किला" तथा पाठ 2 "तलाश" पढ़ें तथा उनमें आने वाले कठिन शब्दों को A4 शीट पर लिखें।
- 3) करवाया गया समस्त पाठ्यक्रम नियतकालिक परीक्षा 1 हेतु याद करें।

SUBJECT : MATHEMATICS

GENERAL INSTRUCTIONS:

1. The PRACTISE work is to be done in a thin ruled notebook.
2. Models are to be prepared by all students compulsorily.
3. Lab manual activities are to be done in an interleaf practical file.

PRACTISE! PRACTISE! PRACTISE!

CH 1-RATIONAL NUMBER

1. Insert four rational number between $\frac{-7}{4}$ and 1?
2. Insert 3 rational numbers between $\frac{-2}{3}$ and $\frac{1}{9}$?
3. The additive inverse of $\frac{-a}{b}$?
4. Represent $\frac{-5}{4}$, $\frac{9}{4}$ on same number line?

- Find $\frac{3}{7} + \left(\frac{-6}{11}\right) + \left(\frac{-8}{21}\right) + \left(\frac{5}{22}\right)$
- Multiply $\frac{4}{7}$ by the reciprocal of $\frac{1}{63}$?
- Write a rational number equivalent to $\frac{4}{7}$ with (i) numerator 20 (ii) denominator 28

CH2- LINEAR EQUATION IN ONE VARIABLE

- Solve the following equation: $\frac{3}{2}x + 1 = \frac{3}{8}x + 4$
- Solve the following equation: $3(2x - 1) = 2(x + 4) + 1$
- Solve the following equation: $\frac{3x+5}{5} - \frac{5x-7}{6} = \frac{x-2}{3}$
- Solve the following equation: $\frac{4+3y}{6y-2} = \frac{-3}{5}$
- The sum of two numbers is 45 and their ratio is 7:8. Find the numbers?
- Sum of the digits of a 2- digit number is 9. When the digits are reversed, it is found that the resulting number is greater than the original number by 27. Find the number?
- The ages of Rahul and Rohit are in the ratio 5:7 Four years later the sum of their ages will be 56 yrs. What are their present ages?

CASE-STUDY QUESTIONS

- Roshini had Rs 100. She bought $2\frac{1}{2}$ kg potatoes at Rs 10 per kg and $1\frac{3}{8}$ kg tomatoes at Rs $16\frac{8}{11}$ per kg.
 - How much money did she give to the shopkeeper?
 - And how much money is left with her?
- There is a narrow rectangular plot, reserved for a school, in badripur village. The length and breadth of the plot are in the ration 11:4. At the rate Rs 100 per metre it will cost the village panchayat Rs 75000 to fence the plot. What are the dimensions of the plot?

LOGICAL REASONING QUESTIONS

- Alka is habitual of saving her pocket money. She collected some 50 paise and 25 paise coins in her piggy bank. If she collected Rs 25 and number of 50 paise coin is double the number of 25 paise coins. How many coins of each type did she collect?
- In a class of some students standing in a straight line, the position of harish is 31th from the end and 9th from the beginning. How many students are there in a class.

LEARNING BY DOING!!

- Explore more in mathematics and apply your mathematics skill to learn more. Below are some suggestions you can choose from them or can make of your own choice. (Individual project compulsory to make)
 - Working model of Symmetry
 - Working model of 3D shapes and their net.
 - Number Games
 - Working model of Prism and Pyramid.
- Do activity 1 and 2 from lab manual

SUBJECT : SCIENCE

- Revise Ch 1 ,ch 2.
- Stick the pictures of four Kharif and four Rabi crops.
- Stuck the picture of your/ your younger brother ,sisters vaccination chart .Write a report on which vaccination were given and the diseases for which vaccine is given.
- Stick the pictures of four synthetic fibres and write about them.
- Write Experiment 1.1, 2.2 and 3.1 in practical file.

**Q2,3,4 should be done in Scrap file.

SUBJECT : S.SCIENCE

1. Write names of all the British governor generals during colonial period. (Ref Hist L-2)
2. If you were the Governor General of India, mention various taxes you would have implemented on citizens. (Ref Hist L-3)
3. Write a decorative preamble of india. (Ref Civics L-1)
4. Draw various symbols of all the religions. (Ref Civics L- 2)
5. Write beautiful artistic slogans on Water Conservation with the help of pictures. (Ref Geo L-2)

Note – learn Ques ans done so far
(Do all work in a thin scrap book)

SUBJECT : COMPUTER

INFORMATION TECHNOLOGY (IT)

1. Make a Chart or a collage on the following topics according to your roll numbers:

ROLLNO	TOPIC
1-10	Computer Network
11-20	Type of Network
21-30	Applications of Internet
31-40	Latest Gadgets
41 ONWARDS	Various Operating Systems

2. Create a Presentation on the topic “Computer Network”.

ARTIFICIAL INTELLIGENCE (AI)

- A. Prepare a project file on: **(Choose any one topic)**
 - a. Application of A.I. in various fields- Healthcare, Transportation, Agriculture, Construction, Education etc.
 - b. History of A.I.
 - c. A.I. in daily life.
 - d. Future of A.I.
 - e. Ethical Challenges in A.I.
- B. Prepare a Job Advertisement for 2030 Job in the field of A.I. (in your A.I notebook). Mention some interesting job title.

SUBJECT : SANSKRIT

- 1) रुचिरा भाग -3 अभ्यास -पुस्तिका के पाठ 1,2,3 को अभ्यास - पुस्तिका में ही करें ।
 - 2) A-4 शीट पर किसी पाँच फलों के नाम तथा पाँच पुष्पों के नाम चित्र सहित संस्कृत में लिखिए और उनको सरल संस्कृत वाक्यों में प्रयोग भी कीजिए ।
 - 3) A-4 शीट पर कोई रंगीन चित्र चिपकाकर संस्कृत के पाँच वाक्य में चित्र वर्णन लिखिए ।
 - 4) करवाया गया सम्पूर्ण पाठ्यक्रम नियतकालिक परीक्षा हेतु तैयार करें ।
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SUBJECT : ART & CRAFT

- 10 OBJECT Drawing with the help of cubes and cuboids.
- 1 Landscape with pencil shading or oil pastel colours.