

The cover features a vibrant beach scene. At the top left, a bright yellow sun with rays is partially obscured by a white cloud. The sky is a clear, light blue. In the center, a large wooden signpost made of blue-painted planks stands on a sandy beach. The signpost has a horizontal top bar and two vertical posts. In the middle of the signpost, there is a white rounded rectangular box containing the text. Below the signpost, two palm trees with green fronds and brown trunks are positioned on either side. In the foreground, two striped beach chairs with red and yellow stripes are placed on the sand, facing each other. A small round table with a white top and a silver pole is positioned between the chairs. A large beach umbrella with alternating red and yellow stripes is open behind the table. The background shows a blue ocean and a white horizon line.

SUMMER VACATION

**HOLIDAY HOMEWORK
SESSION 2023-24
CLASS VII**



MRGS, ROHTAK

PREFACE

Dear Parents and Students,

Summer vacation is around the corner, bringing with itself a much-needed respite from hectic school days. We hope that you will thoroughly enjoy the vacations and make the most of this summer. While it is indeed important that you relax and refresh yourselves, it is also important that you exercise your minds.

Keeping this in mind, we have designed various exciting activities to keep the students engaged and active during the summer vacation. These fun projects/ assignments would enhance learning skills, help understand concepts better, and make for a great crash course aimed at improving academic output.

These activities will not only help you to revise what was taught, but will also enrich your knowledge. These projects will be assessed as Subject Enrichment Activity, Portfolio or Art Integrated activity.

We encourage parents to motivate and support the students to ensure the given work is completed in time, to the best of their ability. Your support and encouragement both have a huge impact on your child's learning ability.

The Holiday Home Work is to be done neatly with relevance to the questions asked and to be submitted to the subject teachers . School reopening i.e. 1th July 2023.

Wishing you a fun filled, safe summer vacation.

**PRINCIPAL
MR. DHARMVEER**

English

1. Family time!

Visit your favourite restaurant, enjoy a hearty meal and write a review in 100 words emphasising on its ambience, service quality and the delicacies it serves. Paste a picture of the dish/dishes you had ordered.

2. APPRISE & ADVERTISE

Select any product of your choice and record a video advertising the product using your creativity.

3. PLAY TIME!

The sultry weather calls for having fun within the four walls of our home. Design a one of a kind indoor game for everyone to play. Pen down its rules and instructions to play. Give an innovative name to the game as well.

4. Helping the feathered friends- This summer make a colourful bird feeder and paint an earthen bowl for the birds, bees and butterflies. Also, write down any four suggestions on how humans can provide a comfort to these ariel creatures.

5. Make book marks with quotes of freedom fighters.

हिंदी

1. कठपुतली का प्रतिरूप तैयार करें।

2. संधि का चार्ट तैयार कीजिए।

3. आइसक्रीम के ऊपर एक आकर्षक विज्ञापन तैयार करें।

4. बाल महाभारत कथा पाठ्य पुस्तक पढ़ कर सारांश रूप में लिखें।

5. प्रतिदिन समाचार पत्र पढ़ें एवं 15 सुलेख लिखें।

6. भारत के स्वतंत्रता संग्राम में योगदान देने वाले वीरों के नाम लिखिए। किसी एक का संक्षिप्त वर्णन कीजिए।

7. संपूर्ण कार्य याद करें।

8. 'प्रातः काल का भ्रमण' विषय पर अनुच्छेद - लिखिए।

Maths

1. Maharashtra is famous for WARLI PAINTINGS. The paintings show scenes of everyday life. People usually decorate the walls of their huts with their paintings. Draw and decorate a Warli Painting by using basic geometrical shapes like congruent triangles, circles, line segments etc. on a A4 sheet of paper.

2. Integers are used in sports. In hockey, each line of players records a plus/minus score. Make a score table of hockey teams A and B using integers and also show this by 5 to 6 steps.

3. Record the maximum and minimum temperatures of the 6 cities mentioned below from a newspaper.

Represent the data on A4 sheet in the form of a double bar graph. Repeat the activity for 5 days. Use the data to find the mean, median and mode of the maximum and minimum temperatures for these 5 days.

4. Complete activity 3,4,5,6 from Maths Lab Manual.

5. Do all given worksheets in Fair Notebook.

Worksheet 1(Integers)

1. The sum of two integers is zero if one of them is -18, then find the other integer.

2. The product of two numbers is -6, if one of them is 1, then find the other number.

3. Fill in the blanks:-

i) $(-4) \times \dots = 36$

ii) $\dots \times 7 = -35$

iii) $(-1) \times \dots = 3000$

iv) $(-140) \div (-7) = \dots$

v) $(-125) \div \dots = 125$

4. An elevator descends into shaft at a rate of 2 m per minute. If the descent start from 40 m above ground level, how long will it take to reach -10 m?

5. Rachna deposited Rs. 5320 in her account on Monday and withdrew Rs 3895 on Tuesday. What was the balance left in her account?

6. Solve:-

i) $(-55) \times 15$

ii) $(-31) \times (-100) \times 60$

iii) $(25 \div 5) \div \{5 \div (-1)\}$

iv) $[(-1000) \div 100] \div 10$

v) $[(-11) + (-5)] \div [3 + (-1)]$

7. In a class test, 5 marks are given for each correct answer and -2 marks for each incorrect answer. Arnav answered all the questions and scored 30 marks, though he got 10 correct answers. Find the number of questions he answered incorrectly.

8. Each side of a regular polygon is 2 cm in length. The perimeter of the polygon is 24 cm. How many sides does the polygon have?

9. Verify that $a \div (b+c) \neq (a \div b) + (a \div c)$ for the given values of a, b and c. $a=24, b=-8, c=4$

10. A certain freezing process requires that room temperature be lowered from 60°C at the rate of 4°C every hour. What will be the room temperature 18 hours after the process begins?

Worksheet 2 (Fractions and Decimals)

1. Write any two examples of each- Proper fraction, Improper fraction, Mixed fraction.

2. Reduce $108/160$ to its simplest form.

3. Find reciprocal of $157/3$.

4. Fill in the blanks:-

$3/5 \div 1 = \dots$

$$8/13 \div 1/2 = \dots$$

$$1.3 \times 1.3 = \dots$$

$$0.002 \times 2000 = \dots$$

5. The mass of a cake is 1.75 kg, if it is cut into 5 equal parts. What is the mass of each part?
6. Generator consumes 1.25 litres of diesel in 1 hour. How much diesel is required to run the generator for 8 hours?
7. Find:-
- $42.08 \div 0.02$
 - 100.792×2.02
 - $0.445500 \div 11$
 - $65 \div 0.005$
 - 1.77×4.2005
8. The area of a rectangular field is 321.08 m^2 . If the length is 20.4 m, find its breadth.
9. An athlete covers a distance of 0.4 km in completing one round. How many rounds does he make if he runs the total of 8.4 km distance?
10. Find the cost of 4.5 litres of petrol at the rate of Rs 71.40 per litre.

SCIENCE

- Read chapters 1 to 5 and write 25 difficult words from each chapter
- Make a chart on any one topic
 - Digestive system in humans
 - Digestive system in ruminants
 - Land breeze and sea breeze
 - Methods of heat transfer – conduction, convection, radiation
 - Process of photosynthesis in plants
- Make a working model on any one of the following topics.
 - A simple closed electric circuit using cell/battery, connecting wire, switch, bulb etc. (reference chapter – electric current and its effects)
 - A sand clock (reference chapter -- Motion and Time)
 - Simple solar house or wind energy house.
- Write and learn keywords of chapter 1 to 3.
 - Revise exercise of chapter 1 to 3
- Do experiment number 3, 4, 8, 9, 10 in lab manual.
- Solve the following worksheet in holiday's homework notebook

WORKSHEET

Q1. Case study

Oxygen which is essential for the survival of all organisms is produced during photosynthesis. In the absence of photosynthesis, life would be impossible on the earth. During photosynthesis, chlorophyll containing cells of leaves, in the presence of sunlight, use carbon dioxide and water to synthesise carbohydrates. The process can be represented in an equation: During the process oxygen is released. The presence of starch in leaves indicates the occurrence of photosynthesis. Starch is also a carbohydrate

Carbon dioxide + water $\xrightarrow{\text{sunlight}}$ carbohydrate + oxygen

- 1) Which of the following organism produces oxygen?
(a) Humans (b) Plants (c) Bacteria (d) Fungi
- 2) Photosynthesis occurs in the presence of light?
(a) True (b) False (c) Both (a) & (b) (d) None of the above
- 3) component is essential for the survival of all the living organisms.
(a) Oxygen (b) Carbon dioxide (c) Nitrogen (d) Hydrogen
- 4) Write the equation of photosynthesis?
- 5) What is the indication of the occurrence of photosynthesis in a plant?

Q2. Case study

The working of the stomach was discovered by a strange accident. In 1822, a man named Alexis St. Martin was badly hit by a shot gun. The bullet had seriously damaged the chest wall and made a hole in his stomach. He was brought to an American army doctor William Beaumont. The doctor saved the patient but he could not close the hole properly and left it bandaged. Beaumont took it as a great opportunity to see the inside of the stomach through the hole. He made some wonderful observations. Beaumont found that the stomach was churning food. Its wall secreted a fluid which could digest the food. He also observed that the end of the stomach opens into the intestine only after the digestion of the food inside the stomach is completed.

- 1) The working of stomach was found by... ..
(a) William Beaumont (b) Alexis St. Martin (c) Both (a) & (b) (d) None of the above
- 2) Alexis St. Martin was badly hit by weapon which caused a fatal wound in his chest and stomach.
(a) Gun (b) Shot gun (c) Bullet (d) All of the above
- 3) William Beaumont was from which country
(a) Africa (b) Russia (c) America (d) Australia
- 4) What did Beaumont found?
- 5) Why did a hole formed in the stomach of Alexis St. Martin?

7. Activity based question:-

Q1. Visit a nearby clinic. Observe the doctor taking temperature of patients. Enquire


- a. Why he dips the thermometer in a liquid before use?
- b. Why the thermometer is kept under the tongue?
- c. Whether the body temperature can be measured by keeping the thermometer at some place other than the mouth?


Social Science

- 1) Find out more about taxes that are collected at present. re these in cash, kind or labour services.
- 2) Draw the table given in ch- 3 (Delhi 22th to 15th century) History on a chart.
- 3) Find out whether there are any buildings built by the Delhi Sultans in your area. Are there any other buildings in your area that were built between the 12th and 15th centuries? Describe some of these buildings and draw sketches of them.
- 4) Make a weather calendar for one week. Use pictures or symbols to show different types of weather. You can use more than one symbol in a day, if the weather changes.
- 5) Learn ch- 2 Geography (Inside Our Earth)
Ch- 2 History (Kings and Kingdoms)

Computer

1) Make chart on following:-

 shortcut keys (A to Z)(Roll no 1 to 15)

 20 abbreviation (Roll no 16 to 25)

- 2) Open Ms excel (create your report card in the previous examination make it as much attractive as you can)
- 3) Learn ch 1,2,3 complete

Art

- 1) Do pages- 27 to 52 in your drawing book .
- 2) Activity -best out of waste material.

G K

- Revise ch. 1 to 10