

ENGLISH

- Q1. Your friend is visiting your city for the first time. He/she has to spend time from 9 a.m. to 9 p.m. Decide what you both would like to do and why. Write in a paragraph.
- Q2. Suggest what would you do in the following situations:
(a) Your neighbour plays music very loudly.
(b) You want to try to do exercise but don't seem to be able to decide what form of exercise you should do.
- Q3. Watch a video of a portion of any match and write a commentary on the same along with the introduction of the team and the game.
- Q4. Weave a story related with any one of the following topics
(a) School (f) Travel
(b) Work (g) Family
(c) Childhood (h) Weekend Plans
(d) Birth (i) Sports
(e) Marriage
- Q5. Watch video of any one of the following topics:-
(a) Space Expedition (c) Social Video
(b) Animals and their habitats
Write the video description.

HINDI

- 1 गर्मियों की छुट्टियों में दादी/नानी के घर आपकी दिनचर्या कैसी होती है बताते हुए अपने मित्र को एक पत्र लिखें। अनुभव-कार्यकलाप के चित्रों को भी लगायें।

MATHEMATICS

Attempt any 3 problems –

1. Collect the name of ten ancient or modern Mathematician of India and mention their at least one achievement which may be either their invented theory, authored book or established institutions.
2. Find the relation between odd numbers and perfect square numbers.
3. Through vedic Mathematical method write the steps to find the square root and the cube root of a perfect square number of max 4 digits and perfect cube numbers having max 6 digits respectively. Give 2 examples of each.
4. Collect the height and weight of your ten relatives and calculate their BMI. Categorize them according to their BMI.
5. Collect information regarding the Golden Ratio and Fibonacci Series.
6. Construct Pascal's triangle.

SCIENCE

CHEMISTRY

List various fibres which we use in our daily life and give following details (atleast **FOUR**) :-

- | | |
|-------------------------------------|---------------------|
| (i). Name of the fibre | (iv). Disadvantages |
| (ii). Category (natural /synthetic) | (v). Uses |
| (iii). Advantages | |

Stick the samples of Fibers in your copy (if possible)

BIOLOGY

- I. Given below is a conversation between two farmers Heera and Beera:

Heera: Brother Beera your maize crop looks wonderful! They have grown pretty fast.

Beera: Yes, I have sprayed urea this time. What about your crop?

Heera: Well, I am still relying on good old cow- dung. I am saving money for buying a tractor.

Beera: That's good. A tractor for farming saves a lot of time and labour.

Heera: Yes, it's been very labour intensive for me and now these weeds have come up in my crop.

Beera : Try weedicides, they are very effective.

Now answer the following questions:

1. List the farming practices which are not environmental friendly and why?
2. What are the advantages of the modern agricultural implements over the traditional ones?
3. Name any one weedicide and specify the precautions farmers must take during its application.

II. Visit a nearby village and find out from the local farmers information related to the following and tabulate the same:

1	Types of crops grown there				
2	Season of sowing				
3	Season of harvesting				
4	Means of irrigation used				
5	Types of manures used				
6	Types of pesticides used				
7	Types of tools and implements used				
8	Storage techniques used				

Support your findings with appropriate pictures.

PHYSICS

- Q1 If a man stands on chair, chances of its breaking are more but if a man sits on chair, chances of its breaking are less. Explain.
- Q2 Why do dams have broad base?
- Q3 Show that liquid at a given depths exerts equal pressure in all directions.
- Q4. The pressure due to atmosphere is very large. Why are we not crushed?
- Q5. A block of size 20 m x 10 m x 5 m exerts a force of 30 N. Calculate the maximum & minimum pressure exerted by block on ground?
- Q6. Demonstrate an activity to show liquid exert equal pressure at equal depth.

SOCIAL SCIENCE

History:

- (1) Collect pictures of the President, Prime Minister of India since Independence and write a short notes on each of them.
- (2) Collect the pictures of Revolt of 1857. Write an essay on Mangal Pandey.

Geography:

- (1) Collect some Pictures **OR** Make a Collage on "Natural Resources", to show how some of our natural resources have been damaged due to industrialization, increasing population, illegal trade etc. Write a note below each picture describing how the resource has been damaged.
- (2) Collect at least 5 Natural Resources which we get from nature and write a short note on them.