

**Motilal Nehru School of Sports, Rai-131029**  
**District-Sonapat (Haryana)**  
**Holiday Home-Work 2023-24 (Summer Vacation)**

**Class-IX**

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**ENGLISH**

1. Read 03 story books in English.
  2. Prepare a chart on English quotations.
  3. Write a story in 150-200 words based on the inputs given below busy road ----- temple round the corner ----- an old ----- suddenly two men on bike -----.
  4. Prepare a project on 'Tenses' on A4 size sheets.
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**MATHEMATICS**

1. Solve examples of chapter 1, 2 & 3 in separate notebook.
2. Prepare one chart on Identities uses in chapter 2.
3. Purchase lab manual of maths by Arya publications from the market and neatly draw 1<sup>st</sup> activity.  
It is compulsory to bring that book.

**Work should be neat and clean.**

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**हिन्दी**

गद्य . अध्यायों का प्रश्न अभ्यास लिखकर याद करना है।

1. दो बैलों की कथा
2. लहासा की ओर

पद्य

1. साखियाँ एवं सबद
2. वाख
3. व्याख्या व शब्दार्थ लिखकर याद करने है।

व्याकरण अर्थ के आधार पर वाक्य भेद लिखकर याद कीजिए।

निम्नलिखित विषयों पर निबंध लिखिए।

1. खेलों का महत्व
2. मेरा प्रिय कवि
3. बढ़ती जनसंख्या

कवयित्री-कवि की कविता चित्र सहित एक चार्ट तैयार कीजिए।

प्राकृतिक आपदा से बचने के उपायों पर एक चार्ट तैयार कीजिए। ( बाढ़ या भूकंप )

**गृह कार्य अलग कॉपी में करना है।**

## SOCIAL SCIENCE

1. Make project work under given heading (any one)

- (a) Cyclone
- (b) Earthquake

Distribution of marks

- (i) Content & Accuracy – 02 marks
- (ii) Presentation – 02 marks
- (iii) Viva – 01 mark

**Total marks – 05**

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## SCIENCE

1. Revise the chapters done in the class.

Physics – Motion, Chemistry – Matter in our surroundings, Biology – Fundamental unit of life-cell

2. Complete the following practical in practical files (make separate files for Physics, Chemistry & Biology)

Biology :-

Expt. 1- Preparation of stained temporary mounts of (a) onion peel (b) Human cheek cells and to record observations and draw their labeled diagrams.

Physics :

Expt. 1 Verification of laws of reflection of sound.

Chemistry :

Expt. 2 Perform the following reactions and classify them as physical or chemical changes

- (a) Iron with  $\text{CuSO}_4$  solution in water
- (b) Burning of Magnesium ribbon in air.
- (c) Zinc with dil.  $\text{H}_2\text{SO}_4$
- (d) Sodium Sulphate with  $\text{BaCl}_2$  in the form of their solutions in water.

3. Chapter 14 – Natural Resources

An assignment based on the above chapter is being given.

- Please write down these on A4 sized both ruled sheets. (to be submitted in a folder)
  - Work should be done neatly as it will be evaluated as part of Internal Assessment.
  - All work should be completed during holidays and submitted to the concerned teacher when you report back after break. **Later comers will not be entertained.**
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Chapter : Natural Resources.

- Q 1 Name the outer layer of the earth.
- Q 2 Write the name of two organisms, which take part in the nitrogen fixation.
- Q 3 Define hydrosphere.
- Q 4 What is atmosphere?
- Q 5 What is the percentage of CO<sub>2</sub> on Venus?
- Q 6 Define combustion.
- Q 7 What is the role of ozone layer?
- Q 8 What will happen if the CO<sub>2</sub> concentration in the atmosphere increases?
- Q 9 How can you describe global warming?
- Q 10 How is Earth's atmosphere different from that of Venus and Mars?
- Q 11 At what stage water is said to be polluted?
- Q 12 Name the man-made component which is responsible for the depletion of ozone layer.
- Q 13 How is 'humus' formed?
- Q 14 Why does the average temperature on earth remains fairly steady?
- Q 15 What will be result if the CO<sub>2</sub> concentration in the atmosphere increases?

- Q16 Differentiate between the biotic and abiotic components?
- Q17 Atmosphere plays an important role in the climate control. Justify the statement.
- Q18 What is water pollution?
- Q19 Define pollutants? Give examples of different types of air pollutants?
- Q20 Give the wind movement during day and night in coastal area?
- Q21 How is soil formed?
- Q22 What are the methods of preventing or reducing soil erosion?
- Q23 You have heard and seen weather reports on television and in newspapers. How do you think we are able to predict the weather?
- Q24 Why is water so necessary for life?
- Q25 Draw the following biogeochemical cycles :-  
a) Nitrogen cycle  
b) Carbon cycle  
c) Oxygen cycle.