

ST. JOSEPH'S SCHOOL, MAHARAJGAN J
SESSION: 2024-25



HOLIDAY HOMEWORK-CLASS 9

INTRODUCTION

Holiday is the time that we all eagerly wait for. We all make plans to enjoy, to relax and to empower ourselves during these gala days. This summer vacation, the Holiday Homework designed by the school is a medium for the students to achieve the motto of “Fun and Learn”. The activities based assignments will foster curiosity, develop creativity, enhance knowledge and instill the joy of learning among the students.

Here are a few tasks for you to complete during the vacation. Do remember to complete the given tasks after reading them carefully.

CHEMISTRY

1. Write down the experiment one and two from the lab manual in a practical notebook.
2. Prepare a chart of periodic table or purification methods of water.
3. Solve the NCERT exercise chapter 1 (Matter in our surroundings).
4. Prepare a model of conversion of solid, liquid ,gas with different phenomena

OR

Bohr's atomic model.

SOCIAL SCIENCE

1. Explain why the artist has portrayed the noble-man as the spider and the peasant as the fly?
2. Draw map of India on a chart paper and show all the neighbor countries.
- 3- Prepare a project on DISASTER MANAGEMENT on A4 size paper.
- 4- What is an Economic Impact Study?

MATHS

1. Write the biography of any 5 famous mathematicians and their Contribution in the field of Maths.
2. Expand the following identities.

a. $(a+b)^3$ b. $(a-b)^3$ c. (a^3+b^3) d. (a^3-b^3) e. $(a+b+c)^2$ f. (a^4-b^4)

3. Convert

- a. Km/h into m/sec
- b. m/sec into km/h
- C. meter into inch and feet

4. Define the following with suitable example.

- a. Rational number
- b. Irrational number

5. Solve the following questions

- a. Example 06 page no. 1/20
- b. example 4 page no 1/24
- c. example 03 page no 1/26
- d. Questions 24 page no 2/35

HINDI

1-संज्ञा, सर्वनाम, विशेषण, क्रिया ,क्रिया विशेषण, संबंध बोधक अव्यय, समुच्चयबोधक अव्यय एवं विस्मयादिबोधक अव्यय की परिभाषा एवं उदाहरण से संबंधित एक चार्ट तैयार कीजिए।

2-ग्रीष्मावकाश के समय किए गए अपने किसी एक यात्रा का वर्णन 300 शब्दों में कीजिए।

3-दो बैलों की कथा एवं इस जल प्रलय में कहानी को पढ़ते हुए उससे मिलने वाले शिक्षाओं को क्रमबद्ध तरीके से लिखिए।

PHYSICS

1. Write name of ten physicists, Paste his/ his photos and write their work in field of science.
2. Write types of motion with examples
3. On a graph paper draw distance -time graph for uniform and non uniform motion.

BIOLOGY

1. To draw the chart of plant tissue and their types and animal tissue over there types on a chart paper.
2. To write and learn about mitochondria, Golgi bodies, endoplasmic reticulum, lysosomes and ribosomes in your biology book along with labeled and coloured diagram.

ENGLISH

1. Make a chart on the topic parts of speech with definition and examples(use A4 size paper)
2. Read "The adventures of Toto" (Chapter 2 moments, write summary in English copy)
3. Biography of Robert Frost in 200 words (write in English copy)

IT

1. Draw a neat diagram of Communication Cycle