

**ST. JOSEPH'S CONVENT SCHOOL**

**CLASS -- IX (2024 – 25)**

**SUMMER VACATION HOMEWORK**

◆ **English**

1.Find out the meanings of 50 new words and make one sentence on each by yourself.

2.Create a self-made poem on any topic .It should be of 8 to 10 lines.

Do these two exercises in A4 size sheets in a presentable way.

◆ **Hindi**

हिंदी परियोजना कार्य

◆ प्रेम चंद एवं कबीर के व्यक्तित्व एवं कृतित्व पर प्रकाश डालते हुए उनकी एक -एक कृति का संक्षिप्त वर्णन कीजिए।

◆ "मन के हारे हार मन के जीते जीत" विषय पर लगभग 150 शब्दों में एक अनुच्छेद लिखिए।

◆ "बिना विचारे जो करें सो पीछे पछताए " विषय पर लगभग 100 शब्दों में एक लघु कथा लिखिए।

Note : ◆ आवश्यकता अनुसार सचित्र वर्णन करें।

◆ समस्त कार्य को एक स्व निर्मित फ़ाइल में संकलित करें।

**Sanskrit**

संख्या-वाचिन शब्दाः (चित्र सहित 1 से 50)

◆ **Mathematics**

- Prepare a working model of 3-D geometrical shapes.

◆ **Science**

**Biology**  
(Practical manual)

**Q1- To study the temporary mount of onion peel, record its observation and draw their labelled diagrams.**

**Q2- Identification of Parenchyma, Collenchyma and sclerenchyma tissue in plants, striped, smooth and cardiac muscle fibers and nerve cells in animals from prepared slides. Draw their labelled diagram.**

**physics**

**( Practical manual )**

**\*Q1\* - Verification of the laws of reflection of sound.**

**\*Q2\* - Determination of the density of solid (denser than water) by using a spring balance and a measuring cylinder.**

**Chemistry**

**( Practicals)**

**Preparation of:**

- a) A true solution of common salt,
- b) A colloidal solution of milk in water and distinguish between these on the basis of transparent,

**Filtration criterion,**

**Stability**

**2) Preparation of:**

- a) A mixture
- b) A compound

**Using iron filings and sulphur powder and distinguishing between these on the basis of:**

- (i) **Appearance, i.e., homogeneity and heterogeneity**
- (ii) **Behaviour towards a magnet**
- (iii) **Behaviour towards carbon disulphide as a solvent**
- (iv) **Effect of heat.**

**All work should be done in practical copy from lab manual. You have to write only part A Practicals.**

## ◆ Social Science

All students have to compulsorily DO any ONE social science project on the following topics:

**Disaster management (Take up a case study and make your project report for eg: Delhi in seismic zone 4, Uttarakhand floods)**

**OR**

**Heritage India (Take up a case study and make your project report for eg: kailasha temples, history of Indian parliament house, Rajpath to kartavya path)**

**General instructions**

**1. THE PROJECT MUST BE HANDWRITTEN, done on separate loose sheets neatly**

**1. The file should contain the following:**

**a) Name, Class and Section of the student on the cover.**

**b) The file should have one page each for:**

**i. Acknowledgement**

**ii. Preface**

**iii. Main Content**

**iii. Bibliography**

**2. THIS PROJECT HAS TO BE SUBMITTED IN HARD COPY.**

**Note: -Please save a soft copy of the project also, for future reference.**

## ◆ Artificial Intelligence

**\* Write down about any five application inbuilt with AI features that you are using in your daily life.**

**\* Use A4 size hard sheet, give the margin for Header(Topic Name) and Footer(Your Name , Class and Section)**