



## HOLIDAYS HOMEWORK (SUMMER VACATION) CLASS IX (2023-24)

### ENGLISH

#### 1. Project: Art integrated activity

Topic -Conventional school system versus Future school

- on the basis of your reading of the lesson 'The Fun They Had', elaborate in your own words the difference between school of 21st century and 22nd century (word limit :200 to 250 words)

You can paste your own pictures taking online classes, in school uniform, school building, your teachers, books etc. to support the notion.

### MATHEMATICS

#### ART INTEGRATED PROJECT

- Write about any two of the following and make an art piece based on the same.

- Tessellations
- Warli Art
- Mandala Art
- Snow Flakes

#### Note :

Number of pages 5

- Page 1 introduction [ Topic : Maths Art Integrated Project on [ Tessellation / Warli Art / Mandala Art / Snow Flakes ] , Name of Student , Class and Section ]
- Page 2 and 4: about any one art form
- Page 3 and 5: Art piece

#### LEARNING WORK

- Assignments week 1 & 2 to be done in sheets and keep in portfolio folder.
- Do atleast 5 – 10 sums based on Numbers System and Coordinate Geometry on regular basis. [ in separate copy ]
- Revise all the work done till now.  
Stay Safe and Healthy.

### SCIENCE

#### PHYSICS

- Learn and solve all the question of chapter 8 given in NCERT book in separate notebook
- Practice numericals based on following topic of chapter 8 (Motion)

(i) Distance and displacement

(ii) Speed and Velocity

(iii) Equation of motion

- Learn and write following question in your notebook

1. Displacement of a particle is independent of the path followed by it. Justify the statement.

2. A body is moving along the boundary of a square plot of land with constant speed. Does

its velocity remain unchanged, if not give an appropriate explanation?

3. Can an object be accelerated if it is moving with constant speed? Justify the answer with an example.
4. Draw a velocity time graph of a stone thrown vertically upwards and then coming down after attaining the maximum height.
5. Derive the equation of motion  $v=u+at$  graphically.
6. A velocity of 20kmph is represented by an arrow of length 5cm. What velocity is represented by an arrow of length 7.5 cm.
7. Walk from one corner of the basketball court to its diagonally opposite corner along its sides. If the basket ball court has the dimension of 15mx28m.
  - a. What is the distance covered?
  - b. What is the displacement?
8. The brakes applied to a car produce an acceleration of  $6\text{m/s}^2$  in the opposite direction to the motion. If the car takes 2 seconds to stop after the application of brake, calculate the distance it travels during the time.
9. A racing car has a uniform acceleration of  $4\text{m/s}^2$ . What distance will it cover in 10seconds after the start?
10. Distinguish between uniform and non uniform motion.

## CHEMISTRY

- (1) Prepare a project report on various samples of
  - (a) a mixture, (b) a compound, (c) an element [metal and non-metal], (3 of each category) highlighting the main characteristics features of elements, compounds & mixtures.
- (2) Prepare a report on 4th & 5th state of matter.
- (3) Complete class work up to chapter – 1.
- (4) Complete homework up to chapter – 1.
- (5) Complete all activity of chemistry in activity file.
- (6) Learn all lesson studied so far.

## BIOLOGY

### ACTIVITY 1:

Do the following activities in your practical file

1. Preparation of stained temporary mounts of (a) onion peel, (b) human cheek cells & to record observations and draw their labeled diagrams.
2. Identification of Parenchyma, collenchyma and Sclerenchyma tissues in plants, striped, smooth and cardiac muscle fibers and nerve cells in animals, from prepared slides. Draw their labeled diagrams.
3. Study of the characteristics of Spirogyra, Agaricus, Moss, Fern, Pinus (either with male or female cone) and an Angiospermic plant. Draw and give two identifying features of the groups they belong to
4. Study of the external features of root, stem, leaf and flower of monocot and dicot plants.

### ACTIVITY 2:

Make a diagram of plant cell and animal cell on separate A4 size sheets using waste things present in the house like buttons, thread, decorative materials, old cards, wool etc.

## SOCIAL SCIENCE

Dear Students,

This summer holiday homework is based on the topic of Natural Disaster which is very much a part of your social sciences curriculum.

Disaster management can be defined as the organization and management of resources and responsibilities for dealing with all humanitarian aspects of emergencies, in particular preparedness, response and recovery in order to lessen the impact of disasters.

India has been traditionally vulnerable to natural disasters on account of its unique geo-climatic conditions. Floods, droughts, cyclones, earthquakes and landslides have been recurrent phenomena. Over the past decade, between 1990-2000 an average of about 4344 people lost their lives and about 30 million people were affected by disasters every year. The loss in terms of private, community and public assets has been astronomical.

### **Significance of doing a project on disaster management in social sciences**

As students of social sciences and as conscious citizens, doing a project on disaster management is going to give you a first-hand experience and opportunity to get yourself familiarise not only with the meaning, factors, etc. of disasters but also to learn the essentials of disaster preparedness and ways to collect relevant information pertaining to disasters and its effective dissemination.

### **Guidelines to complete your project report**

- Topic for the project: Natural Disaster

#### **Task I:** What are natural disasters?

- i. Research using internet, newspaper, magazines, etc. about some of the more common natural disasters that our Earth faces.
- ii. Some of the topics that you can research on are:
  - a) What is natural disaster?
  - b) Various types of disasters
  - c) Facts about storms
  - d) What disasters usually occur in India
- iii. Pick one natural disaster (such as earth quake, flood, etc.) to focus on in your project.

- **Task II:** Preparing the collage / poster / brochure on A4 sheet.

- i. Collect or the resources you require for your project such as pictures, text, quotations, etc.
- ii. If you are making a poster turn it into a colourful, information poster. The size of the poster should be a on A4 Sheet.
- iii. Be creative, colourful, informative and original in your project work.

- **Task III:** Presentation of your project work

- i. You will have to present your project work in front of the class.
- ii. The date for the presentation will be given to you after the summer holidays.
- iii. You must be able to clearly explain what is on your poster / collage / brochure without reading.
- iv. The duration for your presentation will be 3 minutes.

- The project should be presented in the following format:
    - a. **Topic title**
    - b. **Name of the student**
    - c. **Class**
    - d. **The presentation should cover all aspects of disasters as mentioned at the beginning and should be presented in order systematically to give an appealing visual display**
- 2. Read English Newspaper daily to increase your concentration**

***Happy holiday and happy learning!!!!***

## **ASSIGNMENTS**

### **HISTORY**

#### **Ch-1 The French Revolution**

1. Who was Rousseau?
2. Who all got the right to vote for National Assembly?
3. Describe the French division of Society?
4. What were the main causes of French Revolution?

### **ECONOMICS**

#### **Ch-1 The Story of Village Palampur**

1. Is it important to increase area under irrigation? Why?
2. How did spread of electricity help farmers in Palampur?
3. Differentiate between physical and human capital.
4. Is it important to increase the area under irrigation? Why?

## **INFORMATION TECHNOLOGY**

**Note: Do the following Homework on A-4 size sheet**

- Draw a neat diagram of Input devices and explain its usage.
- Draw a neat diagram of Output devices and explain its usage.
- Explain the difference between Primary memory and Secondary memory
- List and explain any 5 areas where ICT is used or helpful.
- Define the following terms in context to Internet:
  1. Website
  2. Web page
  3. Home page.
  4. Search Engine

## ग्रीष्मावकाश गृहकार्य (2021-22)

### विषय हिंदी

### कक्षा - नौवीं

1. काश! मैं होता / होती धूल..... इस विषय पर 100 शब्दों में एक काल्पनिक अनुच्छेद लिखिए।
2. अपनी पसंद का कोई भी विषय चुनकर एक स्वरचित कविता लिखिए। (कविता कम से कम 50 शब्दों में होनी चाहिए।)
3. पाठ- दुख का अधिकार और गिल्लू ( संचयन).....दोनों को पूरे मनोयोग से दो बार अध्ययन कीजिए और प्रत्येक पाठ के आधार पर निम्नलिखित कार्य कीजिए।
  - I) प्रत्येक पाठ में से बीस कठिन शब्द अलग कीजिए और प्रत्येक का वाक्य में इस प्रकार प्रयोग कीजिए कि अर्थ स्पष्ट हो जाए।
  - II) प्रत्येक पाठ के बीच में से बीस शब्द चुनिए और उनके विलोम शब्द लिखिए।
  - III) प्रत्येक पाठ में से बीस शब्द चुनिए और उनके तीन - तीन पर्यायवाची शब्द लिखिए।  
(यह कार्य अपनी उत्तर - पुस्तिका में ही कीजिए।)
4. देश और समाज की उन्नति एवं विकास में निम्नलिखित लोगों का योगदान सबसे अधिक होता है।  
वैज्ञानिक ,चिकित्सक ,इंजीनियर ,शिक्षक, नेता, खिलाड़ी ,लेखक और कवि ,कृषक और सैनिक ।इन सब को आधार बनाकर एक परियोजना तैयार कीजिए।  
परियोजना के लिए निम्नलिखित बिंदुओं को ध्यान में रखिए -  
जैसे:- कवर पेज, मेरा परिचय, विषय - सूची ,अभिस्वीकृति और दिए गए सभी के विषय में जानकारी (प्रत्येक के लिए दो पेज ) , निष्कर्ष ,प्रमाण- पत्र ,स्रोत -सूची, धन्यवाद।  
  
आप अपनी परियोजना (पेपर पेन / e mode )दोनों ही तरीके से बना सकते हैं।  
\* आपकी परियोजना कम से कम 20 से 25 पेज की होनी चाहिए।

- \* आपका परियोजना कार्य आकर्षक सृजनात्मक और कलात्मक होना चाहिए।
- \* इसको आकर्षक बनाने के लिए आप भिन्न-भिन्न रंगों और चित्रों का प्रयोग भी कर सकते हैं ।
- \* आपका कार्य आंतरिक मूल्यांकन के अंतर्गत जाँचा जाएगा ।

विशेष :- कक्षा में करवाए गए सभी पाठों की पुनरावृत्ति कीजिए व संबंधित अभ्यास - कार्य अपनी उत्तर-पुस्तिका में कीजिए ।

तैयारकर्ता :- पंकज

(हिंदी विभागाध्यक्ष)