Deepawali and Chhath Puja Holiday Homework
Class – IXE

English

Q.1.Write a short summary by your own of the poem **'The Duck and the Kangaroo' by Edward Lear.**

Q.2.Do 10 filling in the blanks(exercise) based on **Subject-Verb Agreement.**

Q.3.Write a letter to the Editor of a newspaper complaining **about the noise made by the firecrackers during Diwali.**

Q.4.Write an article on **"Present Education System of India"**.(Must be well included the negative impact of Covid-19)

Q.5.Project Work: On a White sheet, prepare the uses of Nonfinite Verb (Gerund, Infinitive, Participle) with sentence examples.

विषय : संस्कृत

शेमुषी पुस्तक से पाठ 9 एवं पाठ 10 के सभी प्रश्नोत्तर लिखें तथा याद करें।

परियोजनाकार्यम्-

दशम पाठः (जटायोः शौर्यम्) का दो श्लोक सुंदर एवं बड़े अक्षरों में शब्दार्थ+अन्वय+ व्याकरण के साथ लिखें।

Physics

1. What do we mean by the term free fall?
2. What is the value of Gravitational constant?
3. What are differences between mass and weight?
4. Write the Universal law of Gravitation.
5. What happens to the gravitational force between two objects when the distance between them is
   a) Doubled.
   b) Half.

- **Project work:-** Draw the solar system on chart paper.

CHEMISTRY

Answer the following questions:

1.Name the process which can be used to separate a mixture of salt solution and sand.

2.How will you separate a mixture of chalk powder and water?

3.Name the process which can be used to recover salt from an aqueous salt solution.

4.What is the general name of the process by which tea leaves are separated from prepared tea?

5.How is cream separated from milk?

6.Define the following term: - Evaporation, Condensation, Distillation & Chromatography

PROJECT:-

Draw a neat and labelled diagram of the apparatus you would use to obtain pure water from a salt water mixture. (Distillation process)

Biology

1. Why are we normally advised to take bland and nourishing food when we are sick?

2. What are the different means by which infectious diseases are spread?

3. What precautions can you take in your school to reduce the incidence of infectious diseases?

Project:- Make a report on bacterial disease Typhoid.

History

Answer the following questions with answers in hw copy

1.Name the countries which formed the Axis powers during the Second world War.

2. Explain genocidal war. (p. 50)

3. Name the countries which formed theAllied power s.

4. Explain the impact of First world War on Germany (p. 52)

5. Define the Economic Crisis of1923. (p. 52-53)

6. What was the weimar republic? (p. 51)

7. Write short notes on Treaty of Versailles. (p.52)

8. On an outline map of World label the following countries

   (A) Axis powers (B) Allied powers.

Project work:- Collect the photograph of Adolf Hitler and paste it on a scrap book and write related information about him.

Note:- You may take help of digital platforms.

Civics

Homework : Write short notes on the following:

1. Parliament
2. President
3. Prime Minister
4. Council of Ministers

Project Work:- Make a Project File on the topic - "Elections"

Geography

1. Enlist the characteristic features of the Godavari Basin.
2. What is meant by drainage? Explain any four benefits of rivers.
3. What are the causes of river pollution? How can it be prevented?
4. Give main characteristic feature of the ganga river system.
5. Describe the features of Mahanadi Basin.

Project Work

Mark and locate the following features in an Outline Map of India

1. Areas receiving rainfall over 400cm.
2. Areas receiving less than 20cm of rainfall.
3. The direction of the Southwest Monsoon over India.

Economics

1. Draw a neat and clean vicious cycle of poverty. (Treat as project work)
2. What are the basic reason for poverty in the country? Explain.
3. Mention the name of most poorest state and least poorest state in the country.

Computer

   (1) List any 5 word processors
   (2) List the Rewards, Challenges, risks of an Entrepreneur

Project (In Copy):- List 5 Entrepreneur of the world with their images and their achievements

Mathematics

1) Define quadrilaterals?

2) write the types of quadrilaterals with definitions

3) Find the remainder when $y^3 + y^2 - 2y + 5$ is divided by y-5

4) If both (x+1) and (x-1) are factor of $ax^3 + x^2 - 2x + b$ find a and b

5) If $x^2 - 1$ is a factor of $ax^4 + bx^3 - cx^2 + dx + e$ so that $a+c+e = b+d = 0$

Activity – 1

Verify the properties of the sides and angles of a parallelogram

Activity- 2

Verify the properties of a trapezium