DEEPAWALI & CHHATH PUJA HOLIDAY HOME WORK-(2024-25)

Class: -IX

MATHS

Project Make at least five geometric shapes (two-dimensional or three-dimensional shapes).
Assignment
1. To verify experimentally that the sum of the angles of a quadrilateral is 360 degree
2. To verify that the angle subtended by an arc of a circle at the centre is double the angle subtended by it at any point on the remaining part of circle.
3. To verify that the angle in the same segment of circle are equal.
4. To verify that the opposite angles of cyclic quadrilateral are supplementary.

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HINDI

विषय- हिंदीकक्षा- 9

1.'बालश्रम' पर 100-150 शब्दोंमेंएकअनुच्छेदलिखें।

2. एकऔपचारिकतथाएकअनौपचारिकपत्रलिखें।

3. गद्यऔरपद्यभागसे10-10शब्दअर्थकेसाथलिखें।

4. सारेशब्दार्थएवंप्रश्नोत्तरयादकरें।

5. समासकेसभीभेदोंकेचार -चारउदाहरणलिखें।

6. परियोजनाकार्य*- 'ग्रामश्री' कविताकोसचित्रसुंदरअक्षरोंमेंचार्टपेपरपरलिखें।

HISTORY

1. Locate the countries of Axis Power and Allies Power in the World's map.

2. Write the life sketch of Hitler and paste his photograph.

GEOGRAPHY

Project/Activity of Chapter 4 (Climate)

CLASS-IX   SUB-GEOGRAPHY (CH-4)

1.Find out which songs,dances,
festivals and special food preparation are associated with certain season in your region/neighbouring states.

2.Collect photographs of typical rural houses and clothing of people from different regions of India.
(Reflect their relationships with the climate)

3.Map Skills:-

On an outline map of India,show the following:-

(i)Areas receiving rainfall over 400cm.
(ii)Areas receiving less than 20 cm of rainfall.
(iii)The direction of the south-west monsoon over India.

ECONOMICS

Assignment on the chapter of Food Security in India.

CLASS - IX   **SUB: SCIENCE**

PHYSICS

- Solve all in-text questions of WORK AND ENERGY except Power.

CHEMISTRY

1. What are polyatomic ions? Give examples.
2. Hydrogen and oxygen combine in the ratio of 1 : 8 by mass to form water. What mass of oxygen gas would be required to react completely with 3 g of hydrogen gas?
3. Which postulate of Dalton's atomic theory can explain the law of definite proportions?
4. Calculate the molecular masses of Hydrogen, Chlorine, Oxygen, Ammonia, Methane, Sodium hydroxide, Calcium carbonate
5. Write the chemical formulae of the following:
   (a) Magnesium chloride
   (b) Calcium oxide
   (c) Copper(ii) nitrate
   (d) Aluminium chloride
   (e) Calcium phosphate
6. How many atoms are present in a
   (i) Hydrogen sulphide molecule and
   (ii) Hydrogen sulphate ion? Mention its valency.

BIOLOGY

- Prepare a project on spice and herb cultivation in Kerala and Karnataka include relevant pictures to support your text. Your project should include.
   a) Aim/Objective
   b) Spice Cultivation
   c) Herbs Cultivation
   d) Importance
   e) Economic Value

SANSKRIT

कक्षा - नवमीविषय - संस्कृतम् *परियोजनाकार्यम्*-
स्वरसन्धेःभेदान्चित्रमाध्यमेनप्रस्तुतंकुर्वन्तु। (*चार्टपेपर*)
गृहकार्यम्- शब्दरुपाणि - भवत्, किम् ,तत् (त्रिषुलिङ्गेषु)लिखित्वास्मरत।धातुरूपाणि - सेव्, लभ् ,रुच्(लट्लृट्लकारयोः)
लिखित्वास्मरत। "गृहकार्यपुस्तिकायाम् "

1) What are the three domains of AI?
2) What are the various ways to collect data?
3) What is the difference between Artificial Intelligence, Machine Learning and Deep learning?
4) Explain problem scoping template with an example.
5) Challenges of Entrepreneurship Development