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D.A.V. PUBLIC SCHOOL

MANPUR, KAIYA, GAYA

Durga Puja Vacation Homework 2023-24

Class:IX

MATHEMATICS :-

1.DO QUADILATERALS AND CIRCLES FROM NCERT

ACTIVITY-

1.TO VERIFY THE ANGLE SUM PROPERTY OF QUADRILATERAL.

2.TO VERIFY THE IDENTITY

$$x^3+y^3=(x+y)(x^2-xy+y^2)$$

PROJECT-

WRITE THE PROPERTIES OF ALL TYPES QUADRILATERALS ON A CHART PAPER

विषय - हिन्दी :-

क्षितिज:-

०१. 'ग्राम श्री' तथा 'प्रेमचंद के फटे जूते' पाठ के प्रश्नोत्तर लिखकर याद करेंगे।

कृतिका:-

०२. 'भैरे संग की औरतें' तथा 'रीढ़ की हड्डी' पाठ के प्रश्नोत्तर लिखकर याद करेंगे।

व्याकरण:-

०३. दुर्गा पूजा पर निबंध लिखेंगे।

परियोजना कार्य:-

०४. अर्थ के आधार पर वाक्य - भेदों का कैलेण्डर बनाएँगे।

अथवा:-

माता दुर्गा की तस्वीर चार्ट पेपर पर बनाकर उनके नौ स्वरूपों के नाम लिखेंगे।

SCIENCE

Biology-

Complete intext questions upto Storage of grains from Chap - 15.

2. Prepare a short report on "Fish Production".

C.HEMISTRY:-

1 Complete Q/Ans of chapter - 3.

2. Write and learn Laws of Chemical Combinations.

3. Write and learn Dalton's Atomic Postulates.

4. Write Elements and their symbols from table 3.1 .

5. Write names and symbols of ions on a chart paper from table 3.6 .

6. Write the formulae of the following compounds:-

a) Sodium Sulphate

b) Calcium Chloride

c) Zinc Hydroxide

d) Iron(2) Sulphate

e) Aluminium Carbonate

f) Copper (1) Phosphate

g) Aluminium Sulphide

h) Magnesium Hydrogen Carbonate

i) Aluminium Nitrate

j) Iron(3) Sulphite

PHYSICS:-

1.What is Kinetic energy? Derive its formula.

2. Calculate $W_{\text{moon}}/W_{\text{earth}} = \frac{1}{6}$.

3. Do exercise question no. 4, 10, 16 and 17 (Work, Power And Energy)

4 State and prove law of conservation of energy.

ENGLISH:-

Complete and Revise the following chapters.

Beehive

My Childhood

Reach for the Top

No Men Are Foreign

On Killing A Tree

Moments

The Happy Prince

The Last Leaf

Grammar

Make 05 sets of editing questions from any sample papers

Revise Tense & Passive Voice

Writing Section

Write a story on 'A Rich Man and A Ghost' with a picture on A chart paper with colourful sketch pens.

COMPUTER:-

* Learn and write the followings

1. Write short notes on -

a. Cell and Cell Pointer

b. Worksheet and workbook

c. Range of cells

2. What is autofill feature of spreadsheet? What is fill handle?

3. What do you mean by cell referencing? What are the different types of cell referencing? Explain.

4. What is function? Explain any one function with example.

5. What is chart. Name a few chart types available in spreadsheet. Discuss the components of a bar chart.

SOCIAL SCIENCE:-

Geography:-

1. Define the following terms-

a) Jet Stream b) Coriolis Force c) Western cyclonic disturbance d) Weather e) Climate

2. Describe the impact of following terms on the climatic conditions of any place -

a) Distance from the Sea b) Ocean Currents

3. What do you mean by Shifting of the sun? Illustrate with the help of suitable diagram.

HISTORY:-

Write and learn Question/Answer of Ch-4 Forest Society and Colonialism.

CIVICS-

Write and learn Question/Answer of Ch-4 Working of Institutions.

SANSKRIT:-

मणिका भाग-१

१. (क) 'न धर्मवृद्धेषु वयः समीक्ष्यते' पाठ के प्रश्नोत्तरों को लिखें एवं याद करें।

(ख) 'तरवे नमोऽस्तु' पाठ के श्लोकों को याद करें।

२. अनुप्रयुक्तव्याकरणम्-

(ग) दीर्घ संधि, गुण संधि, यण् संधि, वृद्धि संधि, अयादि संधि,

एवं जश्त्व संधि के परिभाषाओं को लिखकर दस-दस

उदाहरणों को लिखकर अभ्यास करें।

(घ) क्त्वा, ल्यप्, तुमुन्, क्त एवं क्तवतु का प्रयोग कर दस-दस

वाक्य लिखें।

(ङ) सभी उपसर्गों से दो-दो नये शब्द बनाएँ।

३. परियोजना-कार्य-

'तरवे नमोऽस्तु' पाठ के श्लोकों के आधार पर वृक्ष की महत्ता

को सचित्र दर्शाएँ।

*** HAPPY HOLIDAY ***

Also available at : <http://davmanpurgaya.org/Assignment>