



D.A.V. PUBLIC SCHOOL

MANPUR, KAIYA, GAYA

Deepawali & Chhath Vacation Homework 2022-23

Class: IX

English

1. Beehived: Complete and learn the Q/Ans of Chapters 4, 5 & 6.
2. Moments: Complete and learn the Q/Ans of Chapters 5 & 6.
3. Make the fair notes of Verb Forms (Tense & Modal Verb) and Articles and revise them.
4. Make the portrait of Aurobindo on A4 chart paper and write his brief biography in 80 words on different A4 page.

MATHEMATICS

1. Do quadrilaterals and circles from NCERT.

ACTIVITY-

2. To verify the angle sum property of quadrilateral.
3. To verify the identity

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

PROJECT-

4. Write the properties of all types quadrilaterals on a chart paper.

PHYSICS

1. State and explain the general law of conservation of energy ? Discuss the energy changes when a ball is released from the top of a tower. Which energy is possessed by ball when at a top?
2. Define kinetic energy. State and prove work energy theorem.

CHEMISTRY

1. Define Atomic Mass unit, Mole, Molecular Mass, Formulae Mass Unit.
2. What is meant by the Term Chemical Formulae?
3. Write down the Dalton's Atomic Theory and learn it.
4. What are molecules of elements and Compounds? Write about them.
5. Write the ions in the Compounds given below.
(i) Mgal 2 (ii) Ca(OH) 2 (iii) (NH 4)2So 4

6. Calculate the Molecule Masses of H₂, O₂, C₂H₆, CH₃OH.

Project Work:

- (i) Draw the figure 3.5 on the Chart Paper of Page no 40. From NCERT
- (ii) Write table 3.6 on Chart Paper and in note book given in Page no 37.

BIOLOGY

1. Define Pisciculture, Broilers, Layer, Inter-Cropping, Harvesting, Mixed-Cropping, Hybridisation, Transgenic organism, Green Revolution, Pink Revolution.

2. Write all the Q/Ans of Chapter 15.

Project:- (in Chart paper)

- (i) Write the names of 5 diseases of cattle symptoms.
- (ii) Draw the diagram of different types of Fishes.

विषय - हिन्दी

1. क्षितिज) चंद्र गहना से लौटती बेर, मेघ आए तथा प्रेमचंद के फटे जूते पाठ के प्रश्नोत्तर लिखकर याद करें।

2. कृतिका) रीढ़ की हड्डी पाठ के प्रश्नोत्तर लिखकर याद करें।
दीपावली की शुभकामनाएं देते हुए अपने मित्र/ अपनी सहेली को पत्र लिखें।

3. दीपावली पर निबन्ध लिखें।

4. दीपावली एवं छठ पूजावकाश गृह-कार्य:-
(परियोजना- कार्य) प्रेमचंद के व्यक्तित्व पर प्रकाश डालते हुए उनकी तस्वीर बनाइए।

विषय-संस्कृतम्.

I-. पठित पाठ्यपुस्तक- शैमुषी-1

1- सिकतासेतु: पाठ के प्रश्नोत्तरों को अभ्यास-पुस्तिका में लिखें।

2जटायो: शौर्यम् पाठ के सभी श्लोकों का अन्वय लिखें।

II- व्याकरणम्-

3- उत्त्व,रत्व एवं सत्व संधि(विसर्ग संधि) से दस-दस उदाहरणों को लिखकर अभ्यास करें।

4 शतृ एवं शानच् प्रत्ययों का प्रयोग दस-दस वाक्यों में करके धातु एवं प्रत्ययों को अलग-अलग करें।

5- 1 से 4 तक संख्यवाची शब्दरूप एवं 50 से 100 तक

संख्यवाची शब्दों को संस्कृत में लिखें।

III- परियोजना-कार्य-

6- 22 उपसर्गों से अधिकाधिक शब्द बनाएँ।

HISTORY

1. Learn and write all question answers of Nazism

2. Map

Do the map of the French Revolution

DEMOCRATIC POLITICS

1. Learn and write all question answers of Constitutional Design

2. Working of Institution

GEOGRAPHY

1. Explain the factors affecting India's climate.

2. Give reason for the following:

(i) Thiruvananthapuram has the year equable climate.

(ii) Delhi has extreme climate.

(iii) The Tamil Nadu coast receives winter rainfall.

(iv) Leh has moderate precipitation almost through-out the year.

(v) The delta region of the eastern coast is frequently struck by cyclones.

3. Why the people of India eagerly awaits the arrival of the monsoon?

4. Give reasons as to why:

(i) Seasonal reversal of wind direction takes place over the Indian subcontinent.

(ii) The bulk rainfall in India is concentrated over a few months.

(iii) The Tamil Nadu coast receives winter rainfall.

(iv) The delta region of the eastern coast is frequently struck by cyclones.

(v) Parts of Rajasthan, Gujarat and the leeward side of the Western Ghats are drought prone.

Subject - IT

Explain any five components of chart in a spreadsheet package.

1. Explain any three functions with its syntax and example.

2. Explain Relative Absolute reference with example.

3. Explain scatter and pie chart.

4. On the basis of the given table answer the following question-

	A	B	C	D	E	F
1	Name	Basic	HRA	DA	PF	Net Salary
2	Raj Kuamar	50000	20000		600	
3	Himanshu	20000	12000		500	
4	Aman	15000	10000		400	
5	Ritwik	15000	10000		500	
6	Maximum					
7	No. of Emp			Average salary		

- (i) To calculate the DA as 25% of Basic+HRA for each employee and display In column D
- (ii) To calculate Net salary as Basic+ HRA – PF for each employee and display In column F
- (iii) To find the maximum Net Salary and display in cell F6
- (iv) To count the no. of employees and display in cell B7.
- (v) To calculate the Average Net salary of employee in cellF7.

HAPPY HOLIDAY