



D.A.V. PUBLIC SCHOOL

MANPUR, KAIYA, GAYA

Summer Vacation Homework 2022-23

Class: IX

ENGLISH

Beehive

01. Complete the fair notes of "The Fun They Had" & "The Road Not Taken"
02. Write the brief notes on five famous Russian writers
 - I. Fyodor Dostoevsky [1821–1881]
 - II. Anton Chekhov [1860–1904]
 - III. Maxim Gorky [1868–1936]
 - IV. Leo Tolstoy [1828-1910]
 - V. Alexander Pushkin [1799-1837]

Moments

01. Complete the Q/Ans of The Lost Child
02. Draw the picture of a Village Fair and write the story of two brothers who lost in fair and met after a long time. Give your story a suitable title.

Project

01. Read a novel of Mulk Raj Anand and prepare a short note on that.

SCIENCE

Biology

1. Write all the question answers of fundamental unit of life
2. Explain through activity
 - a) Movement of material in animal cell
 - b) hypertonic solution
3. Define following term
Tissue, permanent tissue, hypotonic solution, osmosis, plasmolysis
4. Write its function
Mitochondria, vacuole, plastid, SER, RER, ribosome, nucleus
5. Project work

Draw any on a big chart paper- animal cell or plant cell

Chemistry

1. Write and learn definitions of chapter 1 matter around us
2. Write and learn question answers of chapter 2, is matter around us pure?
3. Project work
Show Tyndall effect through colloidal solution or colloids on chart paper.

Physics

1. Read and learn chapter Motion
2. A particle is moving in a circle of diameter 5m. Calculate the distance covered and displacement when it completes 3 revolution.
3. A train 100m long moving on a straight level track passes a pole in 5s. Find a) the speed of the train b) the time it will take to cross a bridge 500m long.
4. A body thrown vertically upward reaches a maximum height 'h'. It then returns to ground. Calculate the distance travelled and the displacement.
5. Project work
Describe different type of motion on a chart paper.

विषयहिन्दी

(क्षितिज)

- * 'दो बैलों की कथा', 'ल्हासा की ओर', 'साखियां', 'सबद' तथा 'सवैये' पाठ के प्रश्नोत्तर याद करेंगे।
- ** उपसर्ग, प्रत्यय, समास तथा पठित अलंकारों की पुनरावृत्ति करेंगे।
- *** 'फलों का राजा' आम की विशेषता बताते हुए अपने मित्र अपनी सहेली को पत्र लिखेंगे।
- **** 'ग्रीष्म ऋतु' तथा 'सत्संगति का महत्व' विषय पर अनुच्छेद लिखेंगे।

□ परियोजना-कार्य:-

'समास वृक्ष अथवा समास कैलेंडर बनाएंगे।

विषयसंस्कृतम्

शेमुषी भाग-1

'स्वर्णः काकः' पाठ के सभी प्रश्नोत्तरों को अभ्यासपुस्तिका (H.W) में लिखें।

व्याकरण- (1)- संधि- दीर्घसंधि गुणसंधि वृद्धिसंधि यण् संधि एवं अयादि संधि के दस-दस उदाहरणों को संधिविच्छेद करके लिखें।

(2)-शब्दरूप- बालक, लता, फल, साधु, नदी, वारि, पितृ राजन् अस्मद्, युष्मद् एवं किम् शब्द (तीनों लिंगों) के रूप सभी विभक्तियों एवं वचनों में लिखें और याद करें।

(3)-धातुरूप- पठ्, गम्, वद्, भू, क्रीड्, नी, अस् धातुओं के रूप सभी पुरुषों एवं वचनों में लिखें।

(4) -कारक- परितः, निकषा, प्रति, विनासह, अलम् हीन, नमः एवं बहिः अव्ययों का प्रयोग वाक्यों में करें।

(5) संख्या- 1-60 तक के रूप संस्कृत में लिखें।

(6)- प्रत्यय-कत्वा, ल्यप् एवं तुमुन् प्रत्ययों से बने शब्द के रूप दस-दस वाक्यों में करें।

परियोजना-कार्य- 'भारतीयसन्तगीतिः' पाठ के सभी श्लोकों का लयबद्ध विडियो बनाएँ।

MATHEMATICS

CLASS-IX

1.COMplete CHAPTERS

i) Number Systems

ii) Polynomials

FROM NCERT TEXTBOOK

2. PROJECT WORK:-

Write biography of an Indian Mathematician and Mention his/her Contribution in the field of Mathematics.

3.ACTIVITY:-

i) To construct a square root spiral(On a chart paper)

ii) To verify the Algebraic Identity (by using Paper cutting method)

$$(a+b)^2 = a^2 + 2ab + b^2$$

Write biography of an Indian Mathematician and Mention his/her Contribution in the field of Mathematics.

SOCIAL SCIENCE

ASSIGNMENT:

1. What was Jacobin club?
2. Name any 3 non farm activities that were performed by people in Palampur
3. Why does India use a standard meridian? What is the standard meridian for India?
4. Elaborate the French society structure in the 18 century.
5. What are the various modes of production? Give details using a flowchart.
6. Why is that the northern plain the most populated and island is moderately populated?
7. Mention any 5 features of Himalayan mountains.
8. What is the latitudinal and longitudinal extent of India?
9. How did the businessmen pursue their work in Palampur?

10. Who was King Louis XVI? How did he agree for a constitutional monarchy?
11. Practice Manual: Pages 93-94, 101-104,122 to be done in Social Science Notebook.
12. NCERT: Revise the back exercises of the chapters of Periodic I as covered in class.

PROJECT

1. Prepare a project file on any one natural disaster and one human induced disaster(HID). The project should include the following:
 - Minimum 8 pages
 - Clear, related and coloured pictures
 - Problems faced by victims
 - Helping guidelines Post disaster
 - Your opinion on how to control HID
2. Write a news report on the recent heat wave that affected the entire Northern Plain including Gaya. Elaborate the details about the people who were affected, count of the loss to life and property and how the government dealt with the situation and must mention the strategies needed to follow to mitigate the affect of heat wave. Use recent newspaper cuttings and pictures & give a suitable heading to the news report. You can use a survey method by drafting questionnaires for people in your neighbourhood seeking the information about the level of awareness people have regarding the preparedness of the disaster.

- **Computer Class- IX**

Write the notes of the following topics :-

- i. Define Communication, Types of communication, Elements of communication, Barriers in communication, How we can remove the barriers in communication, 7Cs For effective communication, Features of word processing software, Mail Merge.

HAPPY HOLIDAY