



DAV PUBLIC SCHOOL

DHANGAWAN, JEHANABAD (BIHAR) - 804408

SUMMER VACATION ASSIGNMENT(2025)

CLASS – IX

Sub: - ENGLISH

⇒ Answer the following questions as directed:--

1. Recently you visited Pahalgam in Jammu and Kashmir. You came to about this incident. Describe it in about 120-150 words.

2. Suppose you are Rohan/Rohini of DAV Public School, Jehanabad. You scored 95% marks in CBSE Board Exam. Write a diary entry in about 100-120 words describing your feelings how you achieved this goal.

3. Complete the following story in 100-120 words which begins as follows:----

'The doctor was a new one. His practice was not yet established. It was about 10pm. He was going to bed after taking his meal. Then suddenly-----

4. If he----- (do) hard work, he will surely get good marks. (use suitable verb form)

5. She----- (shoot) dead when she----- (worship) (use suitable verb form)

6. I wondered that where she lived. (Rewrite after correcting)

7. I do all the cooking and cleaning and beside that I help my husband in his bookwork. (Find error)

8. Define the following terms with examples:-----

Oxymoron, Anaphora, Transferred Epithet, Assonance, Consonance

9. How does Tommy describe the old kind of teachers?

10. One should be wise and mature while taking decisions in life. Answer with reference to the poem 'The Road Not Taken'.

11. Describe the character of the little boy's parents. (The Lost Child)

Sub: - HINDI

- कबीरदास की जीवनी लिखें
- किन्ही पाच सखियों को शुद्ध-शुद्ध लिखें
- प्रेमचंद द्वारा लिखित दस पुस्तकों के नाम लिखें
- 'दो बैलों की कथा' पाठ के प्रश्नोत्तर लिखें
- निम्न की भावार्थ लिखें
(क) औरत जात पर सिंग चलना मना है
(ख) मोको कहा ढूँढे बंदे, मैं तो तेरे पास में
- उपसर्ग की परिभाषा दे और किन्ही पाच उपसर्ग से दो दो शब्द बनाये
- 'प्रत्यय' की परिभाषा दे और किन्ही पाच प्रत्यय से दो दो शब्द बनाये
- गर्मी की छुट्टी में अपने मित्र को दर्शनीय स्थल को भ्रमण करने के लिए कहें
- परीक्षा की तैयारी और भारत देश पर बीस पंक्तियों में निबन्ध लिखें
- इस जल प्रलय में शीर्षक पाठ के प्रश्नोत्तर लिखें

Sub: - SCIENCE

PHYSICS

- Show by graph of the following
a. uniform motion
i. non uniform motion
ii. body is in rest
iii. body has constant velocity
- Derive second and third equation of motion mathematically and graphically.
- A ball hits a wall horizontally at 6 m/s. It rebounds horizontally at 4.4 m/s. The ball is in contact with the wall for 0.04 seconds. What is the acceleration of the ball?
- A car travels 100 km at a speed of 60 km/h and returns with a speed of 40 km/h. Calculate the average speed for the whole journey.
- Draw a velocity – time graph to show the following motion:
- A car accelerates uniformly from rest for 5 seconds, then it travels at a steady velocity for 5s

CHEMISTRY

1. Write the properties of solid
2. Write the properties of Liquid
3. Write the properties of Gas
4. Differentiate between Boiling & Evaporation
5. Explain the factors of evaporation.

BIOLOGY

1. Explain the structure and functions of the plasma membrane. How does it help in the movement of substances in and out of the cell?
2. Describe the differences between prokaryotic and eukaryotic cells. Give suitable examples and draw labeled diagrams of both types.
3. What are the differences between plant cells and animal cells? Draw neat, labeled diagrams of both types of cells to support your answer.
4. Describe the structure and functions of the nucleus in a cell. What is the role of chromosomes?
5. Explain the role of the endoplasmic reticulum, Golgi apparatus, lysosomes, and mitochondria in the functioning of a cell.
6. Explain the structure and functions of the plasma membrane. How does it help in the movement of substances in and out of the cell?
7. Describe the differences between prokaryotic and eukaryotic cells. Give suitable examples and draw labeled diagrams of both types.
8. What are the differences between plant cells and animal cells? Draw neat, labeled diagrams of both types of cells to support your answer.
9. Describe the structure and functions of

Sub: - MATHS

1. If $f(t) = 4t^2 - 3t + 6$, find
(i) $f(0)$, (ii) $f(4)$, (iii) $f(-5)$.
2. If $p(x) = x^3 - 3x^2 + 2x$, find $p(0)$, $p(1)$, $p(2)$. What do you conclude?
3. If $p(x) = x^3 + x^2 - 9x - 9$, find $p(0)$, $p(3)$, $p(-3)$ and $p(-1)$. What do you conclude about the zeros of $p(x)$? Is 0 a zero of $p(x)$.
4. The polynomials $(2x^3 + x^2 - ax + 2)$ and $(2x^3 - 3x^2 - 3x + a)$ when divided by $(x - 2)$ leave the same remainder. Find the value of a .

5. The polynomial $p(x) = x^4 - 2x^3 + 3x^2 - ax + b$ when divided by $(x - 1)$ and $(x + 1)$ leaves the remainders 5 and 19 respectively. Find the values of a and b . Hence, find the remainder when $p(x)$ is divided by $(x - 2)$.
6. $p(x) = 2\sqrt{2}x^2 + 5x + \sqrt{2}$ is divided by $g(x) = x + \sqrt{2}$ then find remainder
7. Show that $(p-1)$ is a factor of $(p^{10} - 1)$ and also of $(p^{11} - 1)$.
8. Find the value of k for which $(x - 1)$ is a factor of $(2x^3 + 9x^2 + x + k)$.
9. Find the value of a for which $(x - 4)$ is a factor of $(2x^3 - 3x^2 - 18x + a)$.
10. Explain types of polynomials with examples

Sub: - SOC. SCIENCE

History+ civics

1. Explain the social, economic, and political causes of the French Revolution.
2. Describe the role of the National Assembly in drafting the constitution of 1791.
3. Who was Napoleon Bonaparte? Describe his rise to power and his contributions to France.
4. What are the main features of democracy? Explain with examples.
5. Why is democracy considered the best form of government? Give arguments in support of your answer.

Geography_

6. Describe the size and location of India with reference to the globe.
7. Why is the central location of India significant for trade and commerce?
8. Explain the significance of India's longitudinal and latitudinal extent.

Economics

1. Describe the four factors of production used in farming in the village of Palampur.
2. What are the different types of production activities in the village Palampur? Explain.

Sub: - SANSKRIT

→ निम्नलिखित प्रश्नानाम् उत्तराणि लिखन्तु-

1. ब्राह्मणः बालकस्य रक्षायै कम् उपायम् अचिन्तयत् ?
2. कीदृशः नकुलः ब्राह्मणस्य चरणयोः अलुठत्?
3. परमापदां पदं किं?
4. ब्राह्मणेन अविचार्य किं कृतम्?
5. परोपकारिणां स्वभावः कीदृशः वर्तते?
6. कीदृशी भूमिः तोयं ददाति ?
7. स्वतंत्रतायाः उपायम् कथम् चिन्तनीया?
8. परतंत्रतायाः शृंखला कथम् त्रोटनीयाः?
9. वर्णानाम् उच्चारण स्थानानि नामानि लिखन्तु।
10. बालक एवं साधु शब्द रूपं लिखन्तु।

Sub: - I.T.

1. Write any two advantages & disadvantages of verbal communication.
2. What is Effective communication?
3. What are 7C's of effective communication? Explain
4. Write the elements of communication in sequence, illustrates through a diagram.
5. What are the factors or barriers influencing in communication? How to over come out from these barriers write and define .
6. Solve the Objective and Unsolved Questions of Unit 1. (Communication Skill)