



DAV PUBLIC SCHOOL

JEHANABAD



SUMMER VACATION HOMEWORK 2026-27

Subject : S.Sc

1. Why is there a need for resource planning? Give any three reasons.
2. Why are human beings considered the most important resources for development?
3. What is meant by sustainable development? Why is sustainable development the need of the hour?
4. Describe the various basis of classification of resources with the help of examples.
5. Explain any five major sources of information about Modern Indian History.
6. Enumerate the steps taken by the East India Company to establish its rule in India? How did the rule of the company come to an end?
7. "India has a parliamentary form of government." Give any three examples to support this statement.
8. Explain the procedures of amending the Indian Constitution.
9. Describe any five salient features of the Indian Constitution.
10. Mention any five purposes which the constitution of India serves towards strengthening democracy.

Subject : SCIENCE

BIOLOGY

1. Draw a labelled diagram of a plant cell and an animal cell. Write 5 differences between them.
2. Describe the structure and functions of cell nucleus. Why is it called the "brain of the cell"?
3. What are cell organelles? Explain the structure and function of mitochondria and chloroplast. Why are they called "semi-autonomous organelles"?
4. Explain the structure of cell membrane. What is its function? Differentiate between diffusion and osmosis with examples.
5. Who discovered the cell? Explain cell theory. Name the different types of cells based on size, shape and number. Give examples.
6. Describe the functions of the following cell organelles:
 - i. Endoplasmic Reticulum
 - ii. Golgi Apparatus
 - iii. Lysosomes
 - iv. Vacuoles

CHEMISTRY

1. Write and get by heart five physical properties of metals and non- metals.
2. Define the following terms:
 - a. Malleability, Ductility, Tensile strength and sonorosity
3. What do you mean by ores and minerals? Also write the chief ore of iron and aluminium

PHYSICS

1. Define different types of contact and non-contact force.
2. What is Atmospheric pressure? What effect does it have with change in altitude and temperature?
3. Define liquid pressure and mention its application.
4. Differentiate between balanced and unbalanced force.

Subject : English

1. What are the three questions of the king?
2. Why did the king go to the forest?
3. Why did the bearded man want to kill the king?
4. Change into indirect speech-

He said, "Mother, how can I help you?"
5. Find out Subject in the following sentences.
 - a. Two and two makes four.
 - b. Twelfth Night is a romantic comedy of William Shakespeare.
6. Change into passive voice : 'She is writing a letter'.
7. What is reported speech?
8. What is the tense in the sentence given below:

Where are you going?
9. What is clause?
10. What is Nonfinite verb, explain with examples?

Subject : MATHEMATICS

1. Write cubes of all natural numbers between 1 to 10 and observe the pattern.
2. Evaluate $\sqrt[3]{0.027 \div 0.008} \div \sqrt{0.09 \div 0.04} - 1$
3. Three numbers are in the ratio 2:3:4. The sum of their cubes is 33957. Find the numbers.
4. Find the cube root of 4741632 by estimation.
5. Find the smallest number by which 16384 be divided so that the quotient may be a perfect cube.
6. Find the square root of 10 correct to 4 places of decimal.
7. A General wishing to draw up his 64, 019 men in the form of a square found that he had 10 men extra. Find the number of men in front row.
8. Write a Pythagorean triplet if one number is 14.

9. Find the smallest number by which 3645 must be divided so that it becomes a perfect square. Also, find the square root of the resulting number.
10. Find the square root of 1734489 by long division method.

Subject : COMPUTER

1. What is HTML?
2. What is WYSIWYG?
3. Which is the first web browser? When was it developed?
4. Write the differences between Container and Empty tag.
5. Make a list of Container and Empty tags.
7. What is <BODY> tag? Explain its attributes also.
8. What is <HR> tag? Explain the attributes of <HR> tag.
9. Write the basic structure of HTML also explains the importance of each tag.
10. Write a program in HTML to display your BIODATA in proper format.

विषय – हिन्दी

1. 'कटुक निबौरी' और 'कनक कटोरी' के द्वारा किस ओर संकेत किया गया है?
2. पक्षियों की और हमारी दिनचर्या में क्या अंतर है ?
3. शाह द्वारा दारा को अपने दरबार में रखने का क्या कारण था ?
4. लेखक ने व्यक्ति और देश के पड़ोसियों की तुलना क्यों की है ?
5. तूश प्रकरण को अपने शब्दों में बताइए।
6. गर्मी में बड़े घर के कुत्तों को प्राप्त सुविधाओं और आम आदमी की मजबूरी की तुलना कीजिए ।
7. गगन, अरमान और किरण शब्द के तीन-तीन पर्यायवाची शब्द लिखिए।
8. 'फूला न समाना' और 'उल्लू सीधा करना' मुहावरों का अर्थ लिखकर वाक्य में प्रयोग कीजिए ।
9. तत्सम एवं तद्भव शब्द की परिभाषा एवं उदाहरण लिखिए।
10. उपसर्ग एवं प्रत्यय की परिभाषा एवं उदाहरण भी लिखिए ।

विषय – संस्कृतम्

1. सन्तः कस्य लक्षणं प्रवदन्ति?
2. धीराः कुतः पदं न प्रविचलन्ति ?
3. सत्सङ्गतिः कस्याः जाड्यं हरति?
4. सुन्दरम् गृहम् दृष्ट्वा काकः चटका च किम् अचिन्तयताम्?

5. अभिमानी काकः चटकाम् किम् अकथयत् ?
6. क्त्वा प्रत्ययेन 10 शब्दस्य निर्माणम् कृत्वा अर्थं लिखितः।
7. ल्यप् प्रत्ययेन 10 शब्दस्य निर्माणम् कृत्वा अर्थं लिखितः।
8. उपसर्गः किम् भवति? तस्य नामानि लिखित्वा ,20 शब्दाः अर्थेन सह लिखितः।
9. तत् शब्द रूपं पुंलिङ्गे स्त्रीलिङ्गे लिखतु स्मरतु।
10. प्रोजेक्ट - पाठ 1 का श्लोक चाट पेपर पर बड़े मोटे अक्षरों में लिखिए।

विषय – नैतिक शिक्षा

1. हवन के लिए किन लकड़ियों का उपयोग होता है ?
2. 'बड़ बोली तु क्यो बोली' पाठ के आधार पर मोहना की सहपाठी को फोन करके मोहना को क्या करना चाहिए था?
3. हवन से क्या-क्या लाभ होता है? लिखें।
4. "ओ३म् विश्वानि देव-----" मन्त्र लिख कर अर्थ लिखें।
5. हवन के दौरान संकल्प के क्या महत्व है लिखें?
6. "शब्दों को परोसने से पहले चख लेना चाहिए क्योंकि शब्दों के भी अपना जायका होता है।" आप इस बात से सहमत हैं? पंक्ति का भावार्थ लिखिए।
7. 'महाभारत के युद्ध का एक कारण द्रौपदी द्वारा समय -समय पर बोले गए कड़वे वचन थे।' कैसे ? स्पष्ट करें।
8. "ऐसी वाणी बोलिए मन का आपा खोय औरन को शीतल करे आपहुं शीतल होय।।" पंक्ति का अर्थ स्पष्ट करें।
9. हवन में प्रयोग किए जाने वाले औषधियों के नाम लिखें तथा महत्व बताएं।
10. परियोजना कार्य- प्रज्वलित हवन कुंड का चित्र बनाकर हवन में प्रयोग किए जाने वाले हवन सामग्री एवं पत्रों के नाम लिखें।
