

D.A.V PUBLIC SCHOOL

Affiliated to CBSE (10+2) New Delhi
Sec-3, Dhurwa, Ranchi 4

Class– VII
HOLIDAY HOMEWORK 2025-26

ENGLISH

A. Read the passage and answer the following questions:

Alice found a long table under a tree , where March Hare and Hatter were having tea. A Dormouse slept between them , and they used it as a cushion while they rested their elbows . Alice was not invited but joined them anyway . The conversation was strange - full of riddles and nonsense . The Hatter asked Alice a riddle , “why is a raven like a writing desk?”but never gave an answer . The tea party continued with silly remarks , and Alice soon grew tired of their nonsense . She finally left , calling it the stupidest tea party she'd ever been to.

- Who were sitting at the table when Alice arrived?
- How was the Dormouse used by the March Hare and the Hatter ?
- What question did the Hatter ask Alice?
- Why did Alice leave the tea party?
- Find the word from the passage that means “foolish talk”.

B. Answer the following questions:-

Q1. Write five sentences about James Weldon Johnson , the Poet.

Q2. Why do you think Bob Dylan's song Were important for society during his time? (Write five to six lines)

Q3:-What does the odd assortment of toys that Roger smuggled to school tell us about him ?
how does his attitude to the toys change by the end of the final class ?

Q4. What happens when the poet sings Softly?

Q 5. When does a poet sing in defiance?

Q6. What did Dylan aspire for in his life?

C. Write example sentences using each type of adjective . Highlight the adjective in colour.
(make it in a stick file).

Mathematics

(1) The sum of two integers is -16. If one of them is 53, find the other.

(2) What will be the sign of the product if we multiply 30 negative integers and 9 positive integers?

(3) Fill in the blanks:

(i) $-36 \div () = -4$

(ii) $() \times -4 = 24$

(iii) $72 \div () = -4$

(iv) $(\) + 1 = -37$

(4) Arrange the following fractions in ascending order:

(i) $\frac{3}{4}, \frac{5}{6}, \frac{7}{9}, \frac{11}{12}$

(ii) $\frac{4}{5}, \frac{7}{10}, \frac{11}{15}, \frac{17}{20}$

(5) Compare the fractions:

(i) $\frac{5}{8}$ and $\frac{7}{12}$

(ii) $\frac{5}{9}$ and $\frac{11}{15}$ (6) Reenu got $\frac{2}{7}$ part of an apple while Sonal got $\frac{4}{5}$ part of it. Who got the larger part, and by how much'

(7) Simplify:

(i) $\frac{2}{3} + \frac{5}{6} - \frac{1}{9}$

(ii) $8\frac{5}{6} - 3\frac{3}{8} + \frac{17}{12}$

(8) What should be added to $7\frac{3}{5}$ to get 18?

(9) Apples are sold at Rs. $18\frac{2}{5}$ per kg. What is the cost of $3\frac{3}{4}$ kg of apples?

(10) Find the area of a rectangular park which is $14\frac{2}{3}$ m long and $18\frac{3}{5}$ m broad.

(11) Simplify:

(i) $\frac{4}{7} \div \frac{9}{14}$

(ii) $15\frac{3}{7} \div 23\frac{4}{9}$

(12) By what number should $94\frac{4}{5}$ be multiplied to get 42?

(13) Express 45 mm in cm, m And km.

(14) What is to be added to 63.58 to get 92?

(15) A tin of oil weighs 16.8 kg. What is the weight of 45 such tins?

(16) A taxi driver charges ₹ 9.80 per/km how much will he charge for a journey of 106.5 km?

(17) Mrs bose bought 15.5 litres of refined oil for ₹1122.20.find tts cost per litre.

(18) Add the following rational numbers.

(i) $-\frac{2}{9}$ * and $-\frac{5}{9}$

(ii) $-\frac{17}{9}$ and $-\frac{11}{9}$

(19) Evaluate:

(i) $-\frac{16}{9} - \frac{5}{12} + \frac{7}{18}$

(ii) $-\frac{13}{8} + \frac{5}{16} - \frac{1}{4}$

(20) The sum of two rational numbers is-3. If one of them is $-\frac{15}{7}$. Find the other.

(21) What should Be added to $-\frac{12}{5}$ to get 3?

21) Simplify!

(i) $(\frac{13}{8} \times \frac{12}{13}) + (-\frac{4}{9} \times \frac{3}{-2})$ (ii) $(-\frac{12}{7} * (-\frac{14}{24})) - (-\frac{8}{45} * \frac{9}{16})$

(22) Find the cost of $3\frac{1}{3}$ metres of cloth at f $40\frac{1}{2}$ per metre.

(23) By what number should $-\frac{44}{9}$ be divided to get $-\frac{11}{3}$?

(24) Express each of THE Following as a national number

(1) $\{(\frac{3}{2})^{-1} - 1\} \div (-\frac{2}{5})^{-1} - 1\}$

(2) $\{(\frac{4}{3})^{-1} - (\frac{1}{4})^{-1}\}$

(25) If $2^{n-7} \times 5^{n-4} = 1250$ find the value of n

Sanskrit

प्रश्न - 1 पूर्ण वाक्येन उत्तरत।

1-विज्ञानस्य महत्त्वपूर्ण आविष्कारम् किं अस्ति?

2-जनाः काभ्याम् दृश्यानि पश्यन्ति?

3-वयम् कस्य सहायतां चलचित्राणि पश्यामः?

4-कः ध्वजारोहणं अकरोत्?

5-नदीनां जलं कीदृशं भवति?

प्रश्न -2 शब्दार्थं लिखो ।

सस्नेहम्, उपरिगामी, चित्रपटे, ध्वजारोहणम्, भ्रमणाय

प्रश्न -3 पर्यावरण से आप क्या समझते हैं?

प्रश्न - 4 जल प्रदूषण से क्या हानि होती है ?विस्तार पूर्वक अपने शब्दों में लिखो।

प्रश्न - 5 विद्यालय में खेल दिवस कब मनाया जाता है?

प्रश्न - 6 विद्यालय खेल दिवस पाठ का हिंदी में अर्थ लिखो।

प्रश्न - 7 चलचित्र दर्शनम पाठ का हिंदी में अर्थ लिखो।

(व्याकरण)

प्रश्न- 8 बालक शब्द रूप लिखो।

प्रश्न - 9 पठधातु पांचो लकारों में रूप लिखो।

प्रश्न- 10 संधि विच्छेद करो।

यत्किञ्चिदपि,आशास्ति, यदैव,मुख्या तिथिः,पुत्रास्तु

(प्रोजेक्ट वर्क) A -4 साइज पेपर में बनाएं।

प्रश्न - 11 विद्यालयमेव कविता हिंदी में लिखिए चित्र बनाएं या चिपकाए।

प्रश्न - 12 उड़ीसा और झारखंड का प्रसिद्ध नृत्य क्या है उसका वर्णन करें और प्रसिद्ध नृत्य का चित्र बनाएं या पेस्ट करें।

Hindi

(1) Deepika-- Lesson 1,2 and 3 - पढ़ाए गए पाठों की पुनरावृत्ति

व्याकरण..

2) page 49-पर्यायवाची (आंख से लेकर आकाश तक दो-दो शब्द)

3) पेज 50- विलोम शब्द (लघु से लेकर कटु तक)

4) पेज 53 -वाक्यांश (अभूतपूर्व से लेकर सर्वज्ञ तक)

5) पेज 59 -संज्ञा की परिभाषा तथा भेद 5-5 उदाहरण के साथ लिखो।

6) पेज 150 -अनुच्छेद (1.जैसी करनी वैसी भरनी 2.अभ्यास का महत्व)

7 पेज 180 -पत्र -1.चाचा जी को उपहार भेजने पर 2.छोटे भाई को परीक्षा में प्रथम आने पर बधाई

प्रोजेक्ट... भारतीय खिलाड़ी(स्टिक फाइल में होना चाहिए)

SUB- SCIENCE (PHY+CHEM)

SECTION - A

ANSWER THE FOLLOWING SHORT ANSWER QUESTIONS IN YOUR OWN WORDS:-

1) The radiators in car are painted black. Why?

2) The handle of a pressure cooker is covered with the thick plastic. Explain why.

3) Differentiate between two modes of transfer of heat, i.e. convection and conduction.

4) While reading a clinical thermometer, what precautions should we take?

5) Explain in brief, why we wear dark coloured clothes in winter and light coloured clothes in summer?

6) Explain the reason for the shiny reflectors of room heaters.

7) Describe the effects of heat.

8) The freezer is located at the top of the refrigerator. Explain why

SECTION - B

1) Is souring of milk a physical change or a chemical change? Why?

2) We should eat freshly cut apple. Why?

3) Is cloud formation a physical change or chemical change? Explain.

4) Write the differences between physical and chemical changes.

5) What is stainless steel? How is stainless steel made? State an important property of stainless steel.

6) Explain how burning a strip of magnesium ribbon is a chemical change.

7) What happens when vinegar is added to baking soda? How do you test the gas produced?

8) What are the indications of a chemical change?

SECTION C

STUDENTS ARE ADVISED TO MAKE A PROJECT IN A STICK FILE BASED ON THE FOLLOWING TOPIC WITH CLEARLY MENTIONED EACH AND EVERY MODULE WITH THE HELP OF SOME SUITABLE DIAGRAM/MODEL

Investigating Acids and Bases:

Students can test various substances (like soap, baking soda, vinegar) to determine their acidity or basicity using litmus paper or a pH indicator. This could involve creating a detailed report outlining the materials, procedure, observations, and conclusions.

BIOLOGY

Q. I. Answer the following questions:

Chap- 1. Nutrition in plants.

1. What is photosynthesis?

2. What is the role of chlorophyll in photosynthesis?

3. What are the different modes of nutrition in plants besides photosynthesis?

4. How are nutrients replenished in the soil?
5. Give a brief description of the process of synthesis of food in green plants.
6. Show with the help of a sketch that the plants are the ultimate source of food.

Q. Chap- 2 . Nutrition in animals.

1. What are villi? What is their location and function?
2. Where is the bile produced? Which component of the food does it help to digest?
3. Name the type of carbohydrate that can be digested by ruminants but not by humans. Give the reason also.
4. Why do we get instant energy from glucose?
5. Which part of the digestive canal is involved in:
 - (i) Absorption of food _____ .
 - (ii) Chewing of food _____ .
 - (iii) Killing of bacteria _____ .
 - (iv) Complete digestion of food _____ .
 - (v) Formation of faeces _____ .
6. Write one similarity and one difference between the nutrition in amoeba and human beings.

II. Learn question answer of Chap- 1. Nutrition in plants

Chap- 2. Nutrition in animals.

III. Draw the diagram of the following: Nutrition in amoeba.

Human digestive system, Hydra and paramecium.

IV. Project work

Topic - Climate change

Sub topic -Causes, awareness, challenges, mitigation and adaptation.

S.S.T

Project Work- (Art Integrated based)

1. Prepare a model of Interior of the Earth.

File Work -

1. Paste the picture of a component of man made environment.
2. Draw a diagram of the ecosystem.
3. Best a picture of famous monuments of India and write about it.
4. Draw a diagram of any stone tool used by primitive man. Write uses of this tool in primitive time.
5. Paste the picture of a manuscript written plum leaves.

Copy work -

1. Make a list of any five communities in India who suffer discrimination on the basis of caste or religion. Write an informative piece on Dr. B.R. Ambedkar ; regarding his contribution to end inequality.
2. What are the negative points of private hospitals?
3. What will happen if all the hospitals are privatized?
4. What is the difference between biotic and abiotic components?
5. What is the difference between hydrosphere And atmosphere?
6. How is life possible on the earth because of the atmosphere?
7. What are the positive points of private hospitals?
8. What is the difference between manmade environment and human environment?
9. What is the importance of the human environment for us?
10. You have read that humans pollute the environment through various activities. Suggest any five steps to reduce environmental pollution.
11. Give five examples of minerals and their uses.
12. Give three examples of igneous rocks and their uses.
13. Give three examples of sedimentary rocks and their uses.
14. Give three examples of metamorphic rocks and their uses.
15. Sedimentary rocks can reveal a lot of information about types of living beings which were found millions of years ago. Do you agree with this statement? Give reasons for your answer.

G.K

Copy work -

1. Collect and pictures of folk dances of different states of India and paste them in a scrapbook.
2. Collect pictures of reptiles and amphibians and paste them in a scrapbook.
3. Collect some pictures of the smallest flying words and paste them in a scrapbook.

4. Collect some pictures of the largest flying birds and paste the scrapbook.
5. Write the name of top 10 sports persons and mention their sports achievement.
6. Write the names of top 10 wealthiest personalities of India.
7. Write a short note on-
 - A. Mahakumbh 2025
 - B. Operation sindoor
 - C. Beti padhao Beti bachao
 - D. Namami gange project
8. Paste the pictures of famous hill stations of India and mention their altitude and the sea level.
9. Chapter 1 to 15 do it in your book and copy both.
10. Write a note on.
 - A. Video conferencing
 - B. Email
 - C. Cell phone / mobile phone
 - D. Fax

Computer

Answer the following questions.

1. What is a number system ? Name the different types of number system.
2. Write the steps to convert a decimal number to binary number.
3. What do you mean by base in a number system ?
4. Write the four rules for binary addition.
5. Explain the Weights and positions of the digits in hexadecimal number system.
6. Convert $(48)_{10}$ to its equivalent in binary number system.
7. Convert $(91)_{10}$ to its equivalent in octal number system.
8. Convert $(11011)_2$ to its equivalent decimal number.
9. What is sorting ? What are the two ways of sorting data in excel?
10. What is the use of filter feature ?
11. Prepare a model on the following topics according to your roll no.

Roll No	Topics
1 – 10	Cyber Crime against an individual person .
11 - 20	Cyber Crime against property.
21 – 30	Cyber Crime against organization/ society .
31 onwards	Cyber Security.

Art and Craft

- 1. Draw any beautiful scenery picture and colour it in A3 size paper.**
- 2. Draw any God or Goddess picture and colour it In A3 size paper.**
- 3. Draw a Mandala Art drawing in A3size paper.**
- 4. Make a Wall hanging craft from colour paper, cardboard etc.**
- 5. Make a Flower vase craft from Ice-cream sticks.**