SD DAV PUBLIC SCHOOL, JAMTARA
Summer Vacation Assignment (2025-26)
Class: - VIII

SUBJECT: ENGLISH

1. For that purpose alone was man sent into this life.' What is the purpose? Discuss .

2. 'Knowledge gained through experience is far superior to knowledge gained through theory. Discuss in the light of the story 'Three Questions'.

3. Grandparents are always very dear to grandchildren. What all do you do to spend quality time with your grandparents.

4. Indian summers are really unbearable.One day maximum temperature shot upto 47° . It was the most miserable day of the year for you. Write your experiences in a diary .

5. You are sports secretary of your school . Write a notice and ask the students to participate in different events of Annual Sports Day of your school . Mention the name of events.

6. PROJECT - Make a list of all tenses with examples.

SUBJECT: HINDI

1. (क) पसद, ,शब्द में उचित स्थान पर अनुस्वार/ अनुनासिक चिन्ह का प्रयोगकीजिए |

   (ख) 'फन' शब्द में उचित स्थान पर नुक्ता लगाइए |

   (ग) 'आशीवाद' शब्दमें 'र' के उचित रूप का प्रयोग कीजिए |

2. (क) 'मोल' शब्द में उचित उपसर्ग जोड़कर नया शब्द बनाइए |

   (ख) 'आऊ' प्रत्यय का प्रयोग करते हुए एक नया शब्द बनाइए |

3. 'सांप' शब्द का तत्सम रूप लिखिए|

4. (क) रात' शब्द के दो पर्यायवाची शब्द लिखिए |

   (ख) ' उत्तीर्ण' शब्द का विलोम शब्द लिखिए |

   (ग) निम्न वाक्यांश का एक शब्द लिखिए -

   i. अनुकरण करने योग्य

   ii. किए गए उपकार कोन मानने वाला

5. (क) निम्नशब्दोंकीसंधि -विच्छेद कीजिए -

   महर्षि, आशीर्वाद, सर्वऔषधी

6. (क) निम्न समस्त पद का विग्रह कर के समास के भेद का नाम लिखिए -

   प्रयोगशाला, पीतांबर, पंजाब, चतुर्भुज

   (ख) नीचे दिए गए विग्रह का समस्त पद बनाकर समास के भेद का नाम लिखिए -

   तीन वेणियो कासमाहार, तीनरंगोंकासमूह

7. (क) रचना के आधार पर वाक्य का भेदबताइए -

   सभी बच्चे चाहते हैं कि उनके शिक्षक स्नेह पूर्ण व्यवहारकरें |

9. (क) निम्न मुहावरे का वाक्य में प्रयोग कीजिए -
एड़ी चोटी का जोर लगाना , दिन में तारे दिखाना

10. (क) निम्न पंक्ति में प्रयुक्त अलंकार का नाम बताइए -
नील गगन सा हृदय शांत होरहा |
मानो नीलमणि से लपर आतपपर यो प्रभात |

11. निम्नप्रश्नोंकाउत्तरलिखें -
(क) ग्रामीण के कंधे पर रखी गठरी को सुख –दुख की गठरी क्यों कहा गयाहै?
(ख) बातचीत की कला को कौन विकलांग बना देतीहै ?
(ग) दोपहरी कविता में चिड़ियों और पालतू स्वान का उदाहरण किस उद्देश्य से दिया गया है स्प
कीजिए |
(घ) 'असल धन' कहानी मैं असल धन किसे कहा गया है और क्यों ?

12. निम्न में से किसी एक विषय पर अनुच्छेद लिखिए -
 (क) स्वास्थ्य की रक्षा   (ख) परोपकार

13. देश में स्वच्छता अभियान चलाया जा रहाहै| इसके बावजूद लोग अपने आस पास के वातावरण
स्वच्छता का ध्यान नहीं रखते |इस विषय पर दो मित्रों के बीच हुई बातचीत को संवाद के रूप
लिखिए |

14. छात्रावास में अपनी दिनचर्या का वर्णन करते हुए माता जी को पत्र लिखिए |

SUBJECT : SANSKRIT

1)पाठः -1और 2 के सभी प्रश्नोत्तर को याद करें।

2)शब्दः रूपं -मुनि, नदी ,साधु किम्(तीनों लिंगों में) लिखें तथा याद करें।

3)धातुः रूपं -पठ् ,गम् ,दृश् स्था ,स्मृ भू ,अस् लिखे और याद करें।

4)पृष्ठ संख्या -14एवं15में हे किसी एक का चित्र बनाकर 5 वाक्य संस्कृत मेष
लिखें। (चार्टपेपर पर)।

SUBJECT: MATHEMATICS

Chapter 1

(Squares and Square roots).

1. Which of the following numbers are perfect squares of even number?
   121; 225 ; 784 ; 841; 576 ; 6561
2. Which of the following numbers are perfect square?
   100; 205000 ;3610000; 212300000
3. Express 49 as the sum of 7 odd numbers.
4. Find the smallest number by which 9408 must be divided so that the quotient is a perfect square. Find the square root of the quotient.
5. Which of the following triplets are Pythagorean?
   (3,4,5); (6,7,8);(10,24,26);(2,3,4)
6. Write a Pythagorean triplet whose smallest member is 12.
7. Find the square root of following by Prime Factorisation.
   (i)   8281   (ii) 28900
8. Find the value of -

$$\sqrt{47089} + \sqrt{24346}$$

9. Devika has a square piece of cloth of area 9 m² and she wants to make 16 square-shaped scarves of equal size out of it. What should possibly be the length of the side of the scarf that can be made out of this piece?
10. The area of a square plot is 800 m². Find the estimated length of the side of the plot.

Chapter 2
(cubes and cube root)

11. Find the cubes of:
    (i)   8   (ii) 0.06   (iii) -7
12. Find the smallest number by which 2560 must be multiplied So that the product is a perfect cube.
13. Find the cube root of the following by Prime Factorisation.
    (i)   5832   (ii) 21952
14. Find the cube root of the following integers.
    (i)   -2744000   (ii) -5832
15. Find the value of ____.

$$(i)\sqrt[3]{216 \times (-125)} \quad (ii) \sqrt[3]{\frac{(-512)}{343}}$$

16. Find the smallest number by which 16384 be divided so that the quotient may be a perfect cube.
17. Find the cube root of following numbers by estimation.

(i)   12167   (ii) 4741632

18. Prove that if a number is tripled, then its cube is 27 times the cube of the given number.
19. Three numbers are in the ratio, 2:3:4.The sum of their cubes is 33,957. Find the numbers.
20. Find the volume of a cube whose surface area is 150 m^2.

Project work

Write down the list of squares and cubes of numbers from 1 to 50 and it's corresponding square root   and cube root of obtained numbers in a chart paper.

SUBJECT: SCIENCE

PHYSICS

1. Define force. Write the SI unit of force.
2. What happens when two people push an object from the same direction?
3. What is the force of friction? How does it arise?
4. What is electrostatic force? What kind of force is it?
5. When is net force applied zero? Give an example.
6. Give two examples each of situations in which you push or pull to change the state of motion of objects.
7. State three effects of a force Give one example of each.
8. Can force change only the direction of motion without any change in speed of an object? If yes, then explain with an experiment..
9. Define pressure.Write its SI unit.
10. Atmospheric pressure is so great. Why are we not crushed by it?

CHEMISTRY

Metals and Non- metals
A. Fill in the blanks.
1. ———is the most abundant metal in the earth's crust followed by —.
2. Process of purification of metals is called ————-.
3. Metals are used to make bells because of their property of ————.
4. ———- is the most ductile metal.
5. 2Mg + ——— ————> 2MgO B.

Write true and false.
1. Silicon, germanium are examples of metalloids. ————-.
2. Copper and silver react with water to liberate H2 gas. ————-.
3. Curd and pickles can easily be stored in metal containers. ————-.
4. Pure gold is of 24 carats. ————-.
5. Brass is made up of copper and tin. ————-.

C. Match the following.
1. Gun metal   Gun powder
2. Graphite.   Phosphorus
3. Sulphur.   Tin + copper + zinc
4. Match- box.   Cooking utensils
5. Aluminium   Batteries

D. Answer the following briefly.
1. Complete the reactivity series. K— — —-Ca —- —- —-Al—- —- —-Fe.
2. Give the uses of phosphorus and sulphur.
3. Fe + ———- ————> $FeCl_2$ + ———-.
4. Which metals are the best conductor and the poorest conductor of heat respectively?
5. Write five physical properties of both metals & non- metals. E. Answer the following.
1. What is meant by metallurgy and an ore?
2. Compare a. Physical properties (4) of metals & nonmetals b. Thermal & electrical conductivity
3. Explain the reaction of one metal with oxygen and water by writing the chemical equations.
4. Give the chemical reaction to show the reaction of a metal with a dil. acid.
5. What do you mean by noble metals? Explain using examples.

F. Pick the correct option.
1. ———- are metalloids.
 a. Silicon   b. Arsenic   c. Germanium   d. All of above
2. CO_2 + H_2O ——> ———
a. Carbonic acid b. Carboxylate c. Carbonate d. No reaction
3. Which of these are stored under kerosene ?
 a. Sodium b. Potassium c. Magnesium d. Both a & b
4. ———- is the least reactive metal.
 a. Gold b. Silver c. Platinum d. Mercury
5. Which of these are noble metals ? a. Gold b. Silver c. Platinum d. Both a & c
6. Aluminium being light is used to make a. Aircraft bodies b. Cooking utensils c. Foils d. All of above
7. Copper + Zinc makes ——- alloy.
    a. Brass b. Bronze c. German silver d. None
8. Which of these non- metals are used in fertilisers?
    a. Nitrogen b. Phosphorus c. Iodine d. Both a & b
9. These metals are very soft
    a. Silver b. Sodium c. Potassium d. B & c
10. Pure gold means
    a. 22 carats b. 24 carats c. 20 carats d. All of these

BIOLOGY

1. Draw a neat diagram of an onion peel cell and label the following locations where-

   a) Controls the function of a cell.

   b) Selectively allows things to get in and out of the cell.

   c) Contains the organelles.

2. a) Why is cell membrane important to a cell?

   b) Why cell wall present is plant cells and not in animal cells?

   c) State the major function of nucleus.

3. a) Explain the structure of a prokaryotic cell.

   b) 'Cells are the basic structural units of living organisms'. Explain

   c) Why chloroplasts are found only in plant cells?

4. Explain briefly the variety of organisms on the basis of cell number, shape and size.

5. Why do plant cells have an additional layer surrounding the cell membrane? What is this layer known as? What is the function of this layer?

6. Write short note on the following:

   a) Cytoplasm

   b) Nucleus

   c) Plasma membrane

Assertion : Genes are responsible for transfer of characters from the parents to the offspring
Reason : Genes are present in the nucleus .

Assertion : A bigger organism has a large number of cells than a smaller one
Reason : The size of cell is related to the size of the organisms

Assertion : The nucleoli help in protein synthesis
Reason : Ribosome formation takes place in nucleoli

SUBJECT: SOCIAL SCIENCE

HISTORY

1. Which. Is known as the modern period in India?
2. What steps were taken by the East India company to establish rule over India?
3. Explain the sources of information about the modern India.
4. Enlist the sources of information about the modern India provided by the Indian scholars or leaders.
5. Draw any two monuments of modern period which throws light on the European architectural style.

CIVICS

1. What is 'Preamble'?
2. Who is known as the father of the Indian Constitution?
3. What is 'Secularism'?
4. How does the Indian Constitution safeguard the minorities of the Country?
5. What does 'Federalism' mean?
6. Why does a democratic country needs a constitution?
7. Mention the key features of the Indian Constitution.
8. What do you mean by Directive Principles of State policy?
9. What is 'Parliamentary form of Government'?
10. Define 'Single Citizenship'.

GEOGRAPHY

1. Write all questions and answers A,B,C,D and E in copy and learn also.

2. Complete something to do in book and copy both

3. Complete map skill (chapter - 01 and 02)

4. Project Work

On an outline map of India show 10 National parks , 10 Wildlife Sanctuaries and 10 bird sanctuary

SL.NO.	CLASS	ASSIGNMENT PG. NO. (FROM BOOK)
1.	**CLASS - 8**	COMPLETE WITH COLOUR PG. NO.- 20
2.		**PAPER CRAFT**