DAV PUBLIC SCHOOL SECL KORBA
Summer Holiday Home Work 2025-26
Class: VIII

Subject	Topic
English	1. Make a Tense Chart describing all the forms of the Tenses with at least two examples in full size chart paper. (Refer to English Practice Book Chapter – 1) Students are advised to do the project work as follows: RN – 1 to 15- Future Tense RN – 16 to 30 – Past Tense RN – 31 to last – Present Tense 2. Write a diary entry narrating your summer holidays experience in your English Subject Enrichment Note Book. 3. On a chart paper design the poem "Granny's Tree Climbing". The design should be pleasant one. (Refer to the poem in English Literature Book) 4. Write all the tense forms and structures with examples in your Subject Enrichment note book. 5. Read the novel "Gulliver's Travels" and write the meaning of at least 50 words in your subject enrichment note book.
Maths	**MCQ** 1. Which of them is a perfect square? a) 576 b)941 c)65 d)none 2. Which of the following is not a perfect square? a)62500 b)57600 c)90000 d)631473 3. How many natural numbers lie between 52and62? a)9 b)10 c)11 d)12 4. Which of the following triplets are Pythagorean? a) (8,15,17) b)(12,35,38) c) (14,48,51) 5. Which of the following is the square root of 7056? a) 86 b) 34 c) 54 d) 84 **SUBJECTIVE QUESTIONS** 6. Find the square root by prime factorization: i) 1764 7. Find the smallest number by which 147 must be multiplied so that it becomes a perfect square. Also, find the square root of the number so obtained. 8. A PT teacher wants to arrange maximum possible number of 6000 students in a field such that the number of rows is equal to the number of columns. Find the number of rows if 71 were left out after the arrangement. 9. Find the square root of the following by the long division method: i)12544 10. Find the least number which must be subtracted from the following number to make it perfect square :i)2361 11. Find the least number which must be added from the following number to make it a perfect square :i) 4931 12. Find the square root of the following numbers in decimal form: i) 84.8241 **ASSERTION REASON** **Options:** A. Both A and R are true, and R is the correct explanation of A. B. Both A and R are true, but R is not the correct explanation of A. C. A is true, but R is false. D. A is false, but R is true. **1:Assertion (A):** The square of any even number is always even. **Reason (R):** Even numbers are divisible by 2. **2:Assertion (A):** The square root of 2 is a rational number. **Reason (R):** Rational numbers can be expressed in the form of p/q, where p and q are integers and q $\neq$ 0.

3. Assertion (A): The cube of any negative integer is always negative.
Reason (R): Multiplying an odd number of negative integers results in a negative product.
4:Assertion (A): The cube root of a perfect cube is always a whole number.
Reason (R): The cube root function is defined only for positive numbers.

ACTIVITY/PROJECT

Write the squares of the numbers 1 to 30.
1. Colour the even squares with blue colour, odd with red

answer the following questions according to your observation
   a) Square of even number is -----------------
   b) Square of odd number is ----------------
Which digits are not coming at the unit place in the square number?

PHYSICS

CASE BASED QUESTION

An archer stretches her bow while taking aim at the target .She then releases the arrow which begins to move towards the target. Based on the information fill up the gaps in the following statement using the following terms:-
(Muscular, contact, non –contact, gravity, friction, shape, attraction)
(a)To stretch the bow the archer applies the force that cause a charge in it's _____.
(b) The force applied by the archer to stretch the bow is an example of_____ Force
(c) The type of force responsible for the change in the state of motion of the arrow is an example of _____force.
(d)While the arrow moves towards its target, the forces acting on it are due to _____ and that due to_____ of air.

TRUE OR FALSE
(a) The force of gravity acts on a specific objects _____
(b) Liquid and gases exerts a pressure on the walls of their containers _____
(c) The pressure exerted by air around us is known as atmospheric pressure _____
(d) Force has only magnitude _____
(e) The force acting on a unit area is called pressure _____

ANSWER THE FOLLOWING
1. Why do heals with pointed ends sink in sand?
2. Unlike a blunt nail, a pointed nail leaves a sharp indentation when kept on soft clay?
3. Name a few material which are used in making submarines, because they can withstand with a lots of fluid pressure?
4. Why is breathing difficult at higher altitude?
5. Why do loading truck have broad tyres?

CHEMISTRY

FILL IN THE BLANKS:
   i.   The variety of coal which has the highest content of carbon is _____
   ii. _____ is a constituent of petroleum, which is used as solvent for dry cleaning.
   iii. A product of coal used in manufacture of steel is _____.
   iv. Least pollution fuel for vehicle is _____.
   v.   A combustible gas obtained by the destructive distillation of coal is _____.

MULTIPLE CHOICE QUESTIONS

1. Which of the following is inexhaustible natural resource:-
(i) Coal   (ii) Sunlight   (iii) Petroleum   (iv) Natural Gas
2. Fraction of petroleum is used as aviation fuel
(i) Asphalt   (ii) Kerosene oil   (iii) Diesel oil   (iv) Petrol
3. A petroleum product used in place of coal- tar for metalling the roads.
(i) Coke   (ii) Asphalt   (iii) Lubricating oil   (iv) Bitumen
4. A gas which always collect above the petroleum in and oil well.
 (i)   Petroleum Gas   (ii) Methane gas   (iii) Natural gas   (iv) Carbon dioxide

ANSWER THE FOLLOWING QUESTIONS:-
   i.   What are the product obtained in destructive distillation of coal?
  ii.   Write two examples of solid, liquid and gaseous fuel.
 iii.   Explain the types of coal?
Define refining of petroleum. Name the product of petroleum and their uses.

Biology
The question below consists of an assertion and a Reason. Use the following key to choose the appropriate answer.
A. If both assertion and reason are correct and reason is correct explanation of the assertion
B. If both assertion and reason are correct, but the reason is not the correct explanation of the assertion.
C. If assertion is correct, but reason is incorrect.
D. If assertion is incorrect, but reason is correct.
Q.1. Assertion: Virus is considered as being on the borderline between living and nonliving entities.
Reason: They are able to multiply on their own.
Q.2. Assertion: Antibiotics should be taken on the advice of doctors for prescribed time and duration.
Reason: If taken when not required antibiotics may kill some of useful bacteria in the body.
Q.3. Assertion: The replenishment of soil with nutrients is done by some microorganisms.
Reason: Fungi and bacteria are common decomposer.
Q.4. Assertion: Disease which spreads from an infected person to healthy person is known as non –communicable disease.
Reason: The disease spreads from one person to another through air, water, food, physical contact or insect.
Q.5. Assertion: Malaria, Dengue can be prevented by using mosquito net and mosquito repellent.
Reason: The causative organism spread through contaminated food and water.
Q.6 Assertion: Microorganism releases harmful substances called toxins.
Reason: Toxins can cause diseases in plants
Q7 "Even though microbes cause lot of problems for us we cannot live without them" justify.
Q8. Name the person responsible for establishing the existence of bacter
Q9. What is immunity?
Q10. How can microorganism be used in Agriculture?
 Q11 How does micro organism help in process of cleaning the environment?
Q12. What will happen to poor is and unused kneaded flour if they are left in the open for day or two?
Q13 a) Name the gas released during the preparation of bread .Q14.Name the process by which yeast converts sugars to alcohol.
Q14 Polio drops are not given to children suffering from diarrhoea. Why?
Q15 Why should we avoid standing close to a tuberculosis patient while he /she is coughing?
Q16 What do you understand by biological nitrogen fixing?

SSt	A. Write 10 famous slogan and their Authors used during freedom Struggle of India in your history notebook.
	B. Write the preamble of the constitution of India in your Civics notebook.

	C. Make amodel showing different modern methods of 　　1. Water Conservation (Drip Irrigation, Sprinkle method of irrigation etc.) 　　2. Soil conservation. (Contour Ploughing, Terrace Farming etc.) D. Write about 10 famous personalities of constituent Assembly who contributed in making Indian Constitution. 　Learn all the question answers of completed chapters
Hindi	१. 'मातृभाषा हिन्दी' के महत्व पर एक पोस्टर बनाइए। २. 'वसंत ऋतु' पर एक कविता सचित्र हिन्दी कॉपी में लिखिए। ३. किसी पाँच मुहावरों का अर्थ लिखकर वाक्यों में प्रयोग कीजिए। ४. हम पंछी उन्मुक्त गगन के और असल धन पाठ की मौखिक अभ्यास कीजिए। ५. मुंशी प्रेमचंद जी द्वारा लिखित उपन्यास 'गोदान' पढ़िए और 50 कठिन शब्द हिन्दी कॉपी में लिखकर याद करिए।
Sanskrit	'सुवचनानि' पाठ के सभी श्लोकों को अन्वय सहित लिखें। 'पर्यावरण संरक्षण सम्बन्धित कोई एक चित्र बनाइये तथा उसके विषय में संस्कृत में पाँच वाक्य लिखें। चित्र ए-4 साइज पेपर पर फाइल बनाकर लाना है।