



**ARWACHIN BHARTI BHAWAN SR. SEC. SCHOOL**  
**C- BLOCK, VIVEK VIHAR, DELHI - 95**



**ENGLISH**

1. The given pie chart represents the amount of money spent by a family on different items in a month. Write an analytical paragraph using the information given in the chart.



2. You are Jhanvi of 101 Greenash building, Mulund, Mumbai and your family is in quarantine due to being Covid positive. Place on order of medicines at the nearby Apollo Pharmacy.

3. As a responsible citizen, you are concerned about the condition of Marine Lines. People have littered the entire place with plastic, masks and garbage. Write a letter to the editor of a leading daily to spread awareness on the matter.

4. Read and Practice the following:

- Determiners
- Tenses
- Modals
- Subject - verb concord
- Reported speech Commands and requests Statements Questions

5. Read and revise the chapters taught till now.

6. Complete Portfolio and notebook.

## Hindi

1. उत्तर प्रदेश पर्यटन निगम पर्यटकों की संख्या बढ़ाना चाहता है। उसके लिए एक आकर्षक विज्ञापन 100 शब्दों में तैयार कीजिए।(Hindi notebook)
2. पर्यावरण प्रदूषण जैसी संबंधित समस्या के बारे में अपने विचार और सुझाव को लगभग 100 शब्दों में एक लेख के रूप में प्रस्तुत करें।(A4 size sheet)
3. प्रदूषण तथा आदर्श विद्यार्थी पर 100 से 120 शब्दों में अनुच्छेद लिखें। (A4 size sheet)
4. प्रथम सत्रीय परीक्षा के लिए निर्धारित पाठ्यक्रम याद करें।

## MATHS

1. DO 5 SAMPLE PAPERS OF 2023-24 IN NOTEBOOK.
2. DO ACTIVITIES IN MATHS ACTIVITY FILE.
3. COMPLETE PORTFOLIO.
4. COMPLETE MATHS REGISTER.

## Science

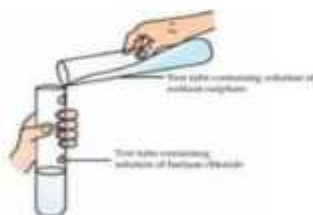
# Revise all the chapters for I Pre Board Examination

# Complete work in

- \* Science Class Work Registers
- \* Science Assignment register
- \* Practical files

# An assignment is given below, write answer of the questions in Practice Assignment

1. Identify the product which represents the solid state in the above reaction



- a) Barium chloride
- b) Barium sulphate
- c) Sodium chloride
- d) Sodium sulphate

2. The colour of the solution observed after 30 minutes of placing zinc metal to copper sulphate solution

- a) Blue
- b) Colourless
- c) Dirty green
- d) Reddish Brown

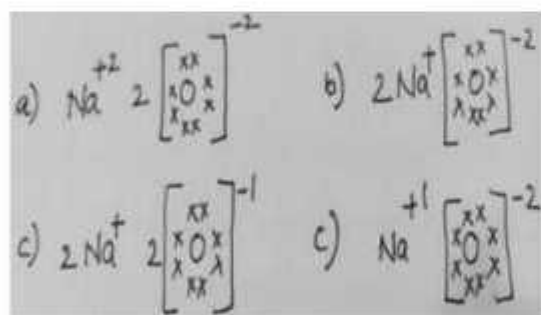
3. Mild non-corrosive basic salt is

- a)  $\text{Ca}(\text{OH})_2$
- b)  $\text{NaCl}$
- c)  $\text{NaOH}$
- d)  $\text{NaHCO}_3$

4. On adding dilute sulphuric acid to a test tube containing a metal 'X', a colourless gas is produced when a burning match stick is brought near it. Which of the following correctly represents metal 'X'?

- a) Sodium
- b) Zinc
- c) Copper
- d) Silver

5. Which of the following correctly represents  $\text{NaCl}$



6. An element with atomic number \_\_\_\_\_ will form a basic oxide.

- a) 7 (2,5)
- b) 17 (2,8,7)
- c) 14 (2,8,4)
- d) 11 (2,8,1)

7. An element 'M' has 50% of the electrons filled in the 3rd shell as in the 2nd shell. The atomic number of 'M' is:



a) 10

b) 12

c) 14

d) 18

8. Generally food is broken and absorbed within the body of organisms. In which of the following organisms is it done outside the body?

a) Amoeba

b) Mushroom

c) Paramoecium

d) Lice

9. Receptors are usually located in sense organs. Gustatory receptors are present in

a) Tongue

b) Nose

c) Eye

d) Ear

10. A farmer wants to grow banana plants genetically similar enough to the plants already available in his field. Which one of the following methods would you suggest for this purpose?

a) Regeneration

b) Budding

c) Vegetative propagation

d) Sexual reproduction

11. Height of a plant is regulated by:

a) DNA which is directly influenced by growth hormone.

b) Genes which regulate the proteins directly.

c) Growth hormones under the influence of the enzymes coded by a gene.

d) Growth hormones directly under the influence a gene.

12. A sportsman, after a long break of his routine exercise, suffered muscular cramps during a heavy exercise session. This happened due to:

a) Lack of carbon dioxide and formation of pyruvate.

b) Presence of oxygen and formation of ethanol.

c) Lack of oxygen and formation of lactic acid.

d) Lack of oxygen and formation of carbon dioxide.

13. An object is placed in front of a convex mirror. Its image is formed:

a) At a distance equal to the object distance in front of the mirror.

b) At twice the distance of the object in front of the mirror.

c) Half the distance of the object in front of the mirror.

d) Behind the mirror and its position varies according

14. When light enters the atmosphere it strikes on extremely fine particles, which deflect the rays of light in all possible directions, This is due to -

a) Reflection of light

b) Atmospheric refraction

c) Scattering of light d) Dispersion of light

15. In 1987, an agreement was formulated by the United Nations Environment Programme (UNEP) to freeze the production of "X" to prevent depletion of "Y". "X" and "Y" respectively referred here are: a) Ozone; CFCs

b) CFCs; rays UV

c) c) CFCs; Ozone

e) UV rays; Diatomic oxygen

Q. No. 17 to 20 consist of two statements - Assertion (A) and Reason (R). Answer these questions selecting the appropriate option given below:

a) Both A and R are true, and R is the correct explanation of A.

b) Both A and R are true, and R is not the correct explanation of A.

c) A is true but R is false.

d) A is false but R is true.

17. Assertion : Rusting of Iron is endothermic in nature.

Reason : As the reaction is slow, the release of heat is barely evident.

18. Assertion: Probability of survival of an organism produced through sexual reproduction is more than that of organism produced through asexual mode.

Reason: Variations provide advantages to individuals for survival.



19. Assertion : Tungsten metal is used for making filaments of incandescent lamps.  
Reason: The melting point of tungsten is very low.

20. Assertion: Biodegradable substances result in the formation of compost and natural replenishment.

Reason: It is due to breakdown of complex inorganic substances into simple organic substances.

### Section-B

Question No. 21 to 26 are very short answer questions

21. Dil. HCl is added to Zn granules. How will you prove that chemical change has taken place here? Support your response with two arguments.

22. State the post-fertilisation changes that lead to fruit formation in plants.

23. What is the purpose of making urine in the human body? Name the organs that stores and releases the urine.

OR

Why do arteries have thick and elastic walls whereas veins have valves? 24. The refractive indices of three media are given below:

24. The refractive indices of three media are given below:

Medium	Refractive Index
A	1.6
B	1.8
C	1.5

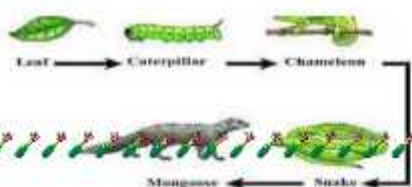
Ray of light is travelling from A to B and another ray is travelling from B to C.

(a) In which of the two cases the refracted ray bends towards the normal?

(b) In which case does the speed of light increase in the second medium? Give reasons for your answer.

25. A piece of wire of resistance  $R$  is cut into three equal parts. These parts are then connected in parallel. If the equivalent resistance of this parallel combination is  $R_1$ , what is the value of the ratio  $R_1 : R$ ?

26. Study the food chain given below and answer the questions that follow:



a) If the amount of energy available at the third trophic level is 100 joules, then how much energy will be available at the producer level? Justify your answer.

b) Is it possible to have 2 more trophic levels in this food chain just before the fourth trophic level? Justify your answer

### **Social Science**

Do CBSE Sample Paper (2023-2024) in your notebook.

- □ Do mapwork of :- Manufacturing Industries, Minerals and energy resources and lifelines of national economy in Geography notebook.
- □ Do mapwork of Nationalism in India in History notebook.
- □ Complete all your written work.

### **INFORMATION TECHNOLOGY**

#### **PART-B WEB APPLICATIONS AND SECURITY**

Q1: Create a presentation based on the topic "Teens Online Activities and Security". (Refer Part-B Ch-4)



Q2: Create a presentation. How do you think you would be able to deal with an accident or an emergency? Consider: (Refer Part-B Ch-4)

- An accident involving lots of blood

- An accident involving a severely broken leg
- An emergency that involves evacuating the children from the classroom
- If you feel you would struggle to cope with any of these situations, then what will you do if they occur? Note: Kindly prepare PPT only 5-6 slides and take a print-out and add on your Portfolio.