



SECTION - A

I. Very short answer questions:

(1x3=3)

1. Can you store pickles in plastic containers? Why?
2. What is carbonization?
3. Why is petroleum called fossil fuel?

II. Short answer type questions – I

(2x8=16)

4. If wheat is sown in the kharif season, what would happen discuss.
5. Give two disadvantages of using fertilizers excessively.
6. What is coal tar? Write its uses.
7. Write two advantages of judicious use of energy?
8. How is fire extinguished at airports and petrol pumps?
9. Differentiate between endangered and extinct species.
10. What are rock shelters? Where are they found?
11. Where are chromosomes found in a cell? State their function.

III. Short answer type questions – II

(3x6=18)

12. What is irrigation? Describe two methods of irrigation. Which conserve water.
13. Give examples (at least three) to show that plastics are non-corrosive in nature.
14. 'Avoid plastics as far as possible' comment on this advice.
15. (i) Make a labelled diagram of a candle flame.
(ii) Which zone of flame does a gold-smith use for melting gold and silver and why?
16. Why should paper be saved? Prepare a list of ways by which you can save paper.
17. Make a sketch of the human nerve cell. What function do nerve cells perform?

IV. Long answer type questions:

(5x3=15)

18. What are antibiotics? Give two examples what precautions must be taken while taking antibiotics?

OR

19. Give reasons for the following:

- (a) Aluminium foils are used to wrap food items.
- (b) Immersion rods for heating liquids are made up of metallic substances
- (c) Copper can not displace zinc from its salt solution.
- (d) Sodium and potassium are stored in Kerosene.

OR

Write at least five uses of both metals and non metals separately.

20. Define the following terms:

- (i) Reproduction
- (ii) Fertilization
- (iii) Metamorphosis
- (iv) Foetus
- (v) Binary Fission

OR

- (a) Write the differences between sexual and asexual reproduction.
- (b) Describe the asexual method of reproduction in amoeba with suitable diagram.

SECTION - B

I. Activity based MCQ:

($\frac{1}{2} \times 16 = 8$)

21. Crop plants get dissolved nutrients easily from:

- (a) Manure
- (b) Fertilizer
- (c) both (a) & (b)
- (c) None

22. The habitats of microorganisms are

- (a) Moist soil
- (b) dirty water
- (c) Air
- (d) All of these

23. The process of conversion of sugar into alcohol is

- (a) Vaccination
- (b) Pasteurization
- (c) Fermentation
- (d) None of these

24. In which medium, the yeast can breed fastly

- (a) Salt solution
- (b) Sugar solution
- (c) distilled water
- (d) All of these

25. The fabrics which soak less water is

- (a) synthetic fabric
- (b) Natural fabric
- (c) both (a) & (b)
- (d) None of these

26. Which of these is bad conductor of electricity?
- (a) graphite (b) coal
(c) gold (d) None
27. Which of these metal can displace the copper from its salt solution?
- (a) Gold (b) Copper
(c) Zinc (d) None of these
28. When iron nail is put in copper sulphate solution, then there will form _____ and copper.
- (a) Copper sulphate (b) Iron sulphate
(c) Zinc sulphate (d) None
29. Which of these is essential for burning?
- (a) Carbon dioxide (b) Nitrogen
(c) Oxygen (d) All of these
30. A Combustible substance does not catch fire if its temperature is _____ its ignition temperature
- (a) above (b) below
(c) more (d) none
31. The animals found in particular area are called
- (a) fauna (b) flora
(c) both (a) & (b) (d) none
32. Which of these is an example of unicellular animals?
- (a) paramecium (b) hydra
(c) Ant (d) All of these
33. Name the colouring substance which is used to prepare a mount of onion cell is
- (a) Methyl orange (b) Methylene blue
(c) Safranin (d) None of these
34. What is the different part of plant cell, which differentiate it from animal cell
- (a) Cell wall (b) Cell membrane
(c) Nucleus (d) Mitochondria
35. The mode of reproduction in Hydra is
- (a) sexual reproduction (b) asexual reproduction
(c) both (a) & (b) (d) None of these
36. Budding takes place in
- (a) Amoeba (b) Hydra
(c) Fist (d) Frog