

Special Practice – 2
Class- VI (EV)
Subject- Science
(Chapter- 3,8 & 9)

Time – 1 hour 15 minutes

Full marks: 50

Multiple choice questions

1x30=30

[N.B- Write the best correct answer on your answer script.]

1. Organelle that is absent in animal cell but present in plant cell is-

- a) Plastid b) Mitochondria c) Nucleus d) Cytoplasm

2. In which year did Robert Hooke discover the cell?

- a) 1655 b) 1665 c) 1675 d) 1685

3. The circular dense substance suspended on protoplasm is –

- a) Cytoplasm b) Nucleus c) Nucleolus d) Plastid

4. An ideal animal cell has –

- i) Nucleus ii) Cytoplasm iii) Cell wall

Which one of the following is correct?

- a) i and ii b) i and iii c) ii and iii d) i, ii and iii

5. Which one of the following is responsible for colouring of flowers?

- a) Protoplasm b) Cell wall c) Cell membrane d) Plastid

6. The part of protoplasm is-

- i) Cell membrane ii) Cytoplasm iii) Nucleus

Which one of the following is correct?

- a) i and ii b) i and iii c) ii and iii d) i, ii and iii

7. The fluid present inside the vacuole is called-

- a) Protoplasm b) Cell wall c) Cell membrane d) Cell sap

8. _____ carries the characteristics of the organisms and passes it on to the next generations.

- a) Protoplasm b) Nucleus c) Nucleolus d) Chromatin fibre

9. Which type of organism is chlorella?

- a) Unicellular b) Multicellular c) Parasite d) Heterophyte

10. The plant which stores food and water is-

- a) Phylloclade b) Mango c) Lady's finger d) Jackfruit

11. Which of the following is absent in a nucleus of eucell?

- a) Nucleolus b) Mitochondria c) Cytoplasm d) Chromatin fibre

- **Read the following stem and answer questions 12 and 13.**

Students observed a large space in the cells while examining onion cells in the laboratory using a microscope. The teacher said that it was the container of cell sap.

12. The name of the space which was observed by the students is-

- a) Nucleus b) Ribosome c) Cytoplasm d) Vacuole

13. The functions of the organelle which was observed by the students are-

- i) To contain cell sap
- ii) To give cells shape
- iii) To control pressure

Which one of the following is correct?

- a) i and ii b) i and iii c) ii and iii d) i, ii and iii

14. Which type of mirror is used to make a periscope?

- a) Plano convex b) Plane c) Convex d) Concave

15. We can see an object when-

- a) it absorbs light
- b) it reflects light
- c) light is refracted by the object
- d) light from the eyes falls on the object

16. How many types of reflection of light are there?

- a) 2 b) 3 c) 4 d) 5

17. What is the speed of light in km/second?

- a) 100000 b) 200000 c) 300000 d) 400000

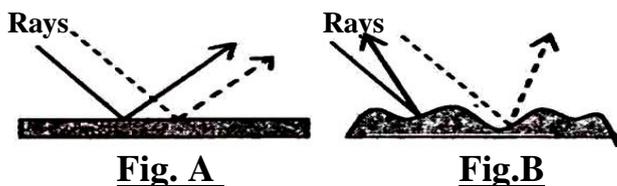
18. Which one of the following is correct?

- a) Solution = Solvent – Solute c) Solution = Solute + Solvent
b) Solvent = Solution + Solute d) Solute = Solution + Solvent

19. Which one of the following is a good solvent?

- a) Oil b) Sugar c) Glycerin d) Water

- **Observe the following figures and answer the question no.20 and 21.**



20. In the second (B) figure, which type of reflection of light is occurring?

- a) Regular reflection b) Scattered reflection c) Total internal reflection d) None of these

21. An example of the surface shown in the first figure (A) is-

- a) Mirror b) Oily paper c) Old steel made pot d) Page of a book

22. What is the solubility of salt in water at 25°C?

- .a) 16 gram b) 36 gram c) 35 gram d) 46 gram

23. Which one of the following is a liquid- gas solution?

- a) Water – vinegar b) Water – lime c) Water – salt d) Seven up (soft drinks)

24. What is the name of the process by which vapour is converted into liquid by cooling?

- a) Vaporization b) Distillation c) Condensation d) Filtration

25. The combination of water and fruit-juice is one kind of-

- i) Solution ii) Homogenous mixture iii) Heterogeneous mixture

Which one is correct?

- a) i and ii b) i and iii c) ii and iii d) i, ii and iii

26. Ether is one kind of-

- a) Solute b) Product c) Solution d) Solvent

27. What is the colour of copper sulphate?

- a) Dark purple b) Dark green c) Dark red d) Dark blue

28. Which of the following is an inorganic substance?

- a) Calcium carbonate b) Acetone c) Spirit d) Acetic acid

- **Read the following text and answer the questions 29 and 30.**

The teacher in the class room made a solution of copper sulphate and ordered the students to heat it.

29. By which process the students will get back the copper sulphate from the solution?

- a) Distillation b) Filtering c) Filtration d) Vaporization

30. If the solution is heated gradually-

- i) The water will totally evaporate away.
- ii) The copper sulphate will totally evaporate away.
- iii) At last copper sulphate will be left in the bottom.

Which one of the following is correct?

- a) i and ii b) i and iii c) ii and iii d) i, ii and iii

Creative questions

1. Observe the following stem and answer the questions.

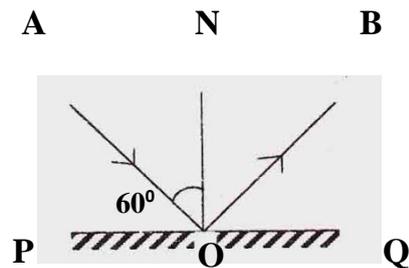
10x1=10

Symbolic representation	Cell organelle
A	Plastid
B	Mitochondria

- a) What is cell membrane? 1
- b) Write the four differences between a plant cell and an animal cell? 2
- c) In between A and B marked organelles which one has been compared with the power house of cell? – Explain it with labeled diagram. 3
- d) In between A and B marked organelles which one carries a unique characteristics of plant cells? 4

2. .Observe the following figure and answer the questions below.

10x1=10



In the figure above, $\angle AOP = 60^\circ$

- a) What is the definition of a mirror? 1
- b) How do we see objects? – Explain it. 2
- c) Find the value of $\angle AOB$. 3
- d) From the diagram above show that the angle of incidence is equal to the angle of reflection. 4

The End

