

M.M.= 70

Time= 3hrs

Part A (1-35 Questions carry 1 mark each)

I. Multiple Choice Questions:-

1. During an activity, Ram saw some seeds floating on the water. Which type of seeds are these.
  - a) Healthy Seeds.
  - b) Unhealthy Seeds
  - c) Both of these
  - d) None of the above
2. Carrier of Malaria causing Protozoan is-
  - a) Female Anopheles Mosquito
  - b) Cockroach
  - c) Housefly
  - d) Battery
3. The bread or Idli dough rises because of –
  - a) Heat
  - b) Grinding
  - c) Growth of yeast cells
  - d) Kneading
4. Which of the following are responsible for extinction of a species?
  - a) Clearing of land to plant crops and build road
  - b) Loss of habitat
  - c) Excessive use of chemicals fertilizers and pesticides
  - d) Providing habitat for animals in zoo

5. What do black buck, elephant, python and golden cat together represent in a forest?
- a) Flora
  - b) Fauna
  - c) Ecosystem
  - d) Species
6. Naveen was playing in a garden. He saw that all the plants are green in colour. He was amazed that why the plants are green in colour-
- a) Due to the presence of Chlorophyll
  - b) Due to Cell Wall
  - c) Due to Glucose
  - d) None of the above
7. Internal Fertilization occurs-
- a) Inside the female body
  - b) Outside the female body
  - c) Inside Male body
  - d) Outside male body
8. A tadpole develops into an adult frog by the process of –
- a) Fertilization
  - b) Metamorphosis
  - c) Embedding
  - d) Budding

II. Fill in the blanks:-

9. Phosphorus is a ..... non-metal.
10. Metals are good conductors of ..... and .....
11. Iron is ..... reactive than Copper.
12. Metals on reacting with Acids, produce ..... gas.
13. Synthetic Fibres are also called ..... and ..... fibres.

14. Synthetic fibres are synthesized from raw material called .....
15. Like Synthetic fibres, plastic is also a .....
16. Most liquids that conduct electricity are solutions of ....., ..... and .....
17. The passage of an electric current through a solution causes..... effects.
18. If you pass current through copper sulphate solution, copper gets deposited on the plate connected to the ..... terminal of the battery.
19. To draw water from a well, we have to ..... the rope.
20. A charged body ..... an uncharged body towards it.
21. To move a loaded trolley, we have to ..... or ..... it.
22. The north pole of a magnet ..... the north pole of another magnet.

III. State True or False:-

23. Pole Star is a member of the Solar System.
24. Mercury is the smallest planet of the Solar system.
25. Uranus is the farthest planet in the solar system.
26. INSAT is an artificial satellite.
27. There are nine planets in our solar system.
28. Constellation Orion can be seen only with a telescope.
29. Sodium is very reactive metal.

IV. Match Ups:-

- |               |               |
|---------------|---------------|
| 30. Gold.     | Machines      |
| 31. Aluminium | Wrapping food |

- |             |                      |
|-------------|----------------------|
| 32. Iron    | Jewellery            |
| 33. Nylon.  | Parachutes and Ropes |
| 34. Rayon   | Non- stick utensils  |
| 35. Teflon. | made from wood pulp  |

Part B ( 36- 45 questions carry 2 marks each)

36. Can Micro-organisms be seen with the naked eye? If not, how can they be seen?
37. What is Red Data Book?
38. Explain the importance of reproduction in animals.
39. Give Examples of Nylon fabrics which indicate that Nylon fibres are very strong.
40. What are thermosetting Plastics? Give one Example.
41. Why Sodium and Potassium are stored in Kerosene Oil?
42. Give two examples of situations in which applied force causes a change in the shape of an object.
43. In which part of the sky, can you find Venus, if it is visible as an evening star?
44. What is a constellation? Name any two Constellations.
45. Does pure water conduct electricity? If not, what can we do to make it conducting?

Part C ( 46-50 questions carry 3 marks each)

46. Explain how fertilizers are different from manures.
47. State the difference between Eukaryotes and Prokaryotes.

48. Write 5 differences between Metals and Non-metals.

49. Name the forces acting on a plastic bucket containing water held above ground level in your hand. Discuss why the forces acting on the bucket do not bring a change in its state of motion?

50. Is it safe for the electrician to carry out electrical repairs outdoors during heavy rainfall? Explain.