

General Instructions:

Read the questions carefully before answering:

Questions 1 to 10 carry 1 mark each. Answer in 1 or 2 sentences Questions 11 to 20 carry 2 marks each. Answer in 3 or 4 sentences Questions 21 to 25 carry 3 marks each. Answer in 5 or 6 sentences.

Question 26 carries 5 marks.

Q1. Which of the following tool is used for removing weeds and for loosening the soil?

- a) Rod
- b) Beam
- c) Hoe
- d) None of the above

Q2. Typhoid and tuberculosis are _____ diseases?

- a) Protozoans
- b) Bacterial
- c) Viral
- d) None of the above

Q3. Which of the following is called as artificial silk?

- a) Nylon
- b) Polyester
- c) Cotton
- d) Rayon

Q4. Petroleum and coals are _____?

- a) Metals
- b) Gases
- c) Fossil fuels
- d) All of the above

Q5. Which of the following is not a combustible substance?

- a) Petrol
- b) Glass
- c) Magnesium
- d) Kerosene

Q6. Red data book keeps the record of _____?

- a) Endemic animals and plants
- b) Extinct animals and plants
- c) Endangered animals and plants
- d) All of the above

Q7. Which of the following is used to extinguish electrical fires?

- a) Foam
- b) Carbon dioxide
- c) Water
- d) None of the above

Q8. Who discovered the cell?

- a) Edwin Hubble
- b) J.J. Thomson
- c) Robert Boyle
- d) Robert Hooke

Q9. Which of the following bacteria is engaged in the fixation of nitrogen in leguminous plants?

- a) Spherical bacteria
- b) Rhizobium
- c) Spiral bacteria
- d) None of the above

Q10. Which metal is found in a liquid state at room temperature?

- a) Aluminium
- b) Magnesium
- c) Mercury
- d) Copper

Q11. What is combustion and what are its types?

Q12. What are synthetic fibres? Name any two synthetic fibres?

Q13. Discuss the modern methods of irrigation?

- Q14. What will happen if the top layer of soil is exposed?
- Q15. Write any two uses of microorganisms in our lives?
- Q16. State any four differences between metal and non-metal?
- Q17. Discuss the main parts of the cell?
- Q18. Define metamorphosis with examples?
- Q19. State any two differences between a foetus and a zygote?
- Q20. Distinguish between manure and fertilizer?
- Q21. What are the characteristics of synthetic fibres?
- Q22. What do you understand by noble metals?
- Q23. Distinguish between thermoplastics and thermosetting plastics?
- Q24. Write a short note on microorganisms, which causes diseases in human?
- Q25. Discuss the benefits of using LPG and CNG as fuels?
- Q26. Explain briefly the consequences of deforestation?