

**Bhavan's Tripura Vidyamandir**

2<sup>nd</sup> Periodic Assessment: (2024-2025)

**Class:- 7**

Time:- 2 Hours

Name of the student :

**Subject:- Science**

Total :- 50 Marks

Roll:        Section:

Choose the correct option from the following:

1X5=5

1. Zygote is formed after
  - a) Pollination
  - b) Fertilization**
  - c) Spore Formation
  - d) Fragmentation
2. Which of the following electromagnet will be the strongest?
  - a) 50 turns on a wooden block
  - b) 50 turns on a soft iron bar
  - c) 60 turns on a hard clay bar
  - d) 80 turns on a soft iron bar
3. The word dialysis is associated with
  - a) Heart
  - b) Eye
  - c) Kidney
  - d) liver
4. In sexually reproducing plants which one of the following features will ensure that animals are attracted to the plants?
  - a) they have beautiful branches
  - b) they have colorful and scented flowers which produce nectar
  - c) they have green leaves with beautiful designs
  - d) they have sweet fruits.
5. Blood carries \_\_\_\_\_ from lungs to the heart.
  - a) O<sub>2</sub>
  - b) CO<sub>2</sub>
  - c) NO<sub>2</sub>
  - d) SO<sub>2</sub>

State whether the following statements are true or false.

1X5=5

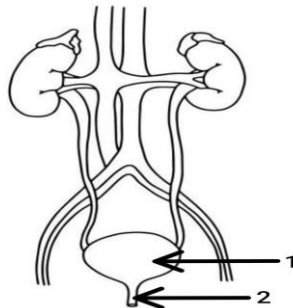
6. The current flows from negative to positive terminal in a circuit.
7. The ovary of the flower develops into fruit.
8. The heating effect is used to make an electric bell.
9. Spore Formation is an example of sexual reproduction.
10. The main excretory product in human being is sweat.

Answer the following questions.

1X5=5

11. Name the part of the flower where pollination occurs.
12. Define autogamy.
13. Which blood cells carry respiratory gases?

14. Label the diagram given below



15. What is the function of a switch ?

**Fill in the blanks.**

**1X5=5**

16. Right atrium receives.....rich blood.

17. A solenoid with.....turns will have.....magnetic force.

18. Special spores bearing organs present in fungi are called.....

19. We pass .....litre of urine per day.

20. A flower has .....number of whorls.

**Answer the following questions.**

**2X3= 6**

21. A person has extremely less number of platelets in his blood, explain the problem that the person would face.

22. An electrician is carrying out some repairs in your house. He wants to replace a fuse by a piece of wire. Would you agree? Give reasons for your response.

23. Mention the mode of reproduction in the following

(a) Spirogyra

(b) Yeast

**Answer the following questions.**

**3X3=9**

24. Name the only artery that carries carbon dioxide rich blood. Why it is called an artery if it does not carry oxygen rich blood?

25. When you keep food items like bread and fruits outside for a long time especially during the rainy season, you will observe a cottony growth on them.

(a) What is this growth called?

(b) How does the growth take place?

26. Write an experiment to show magnetic effect of electric current with diagram.

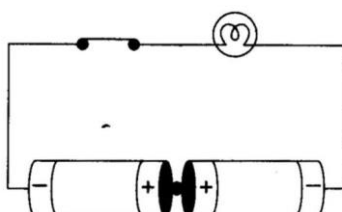
**Answer the following questions.**

**5X3=15**

28. Draw and label human heart. Differences between artery and vein (2 points). (3+2)

29. Write any three advantages of vegetative propagation. Draw reproductive parts of a flower with labelling. (3+2)

30. The bulb in the circuit shown below does not glow. Can you identify the problem? Make necessary changes in the circuit to make the bulb glow.



Why we should look for ISI mark on electrical appliances?