

# Transportation MCQs and Answers

1. *Phloem sap is mainly made of \_\_\_\_\_*

- a) Water and sucrose
- b) Water and glucose
- c) Water and starch
- d) Water and fructose

**Answer: a**

2. *Which elements are readily mobilized in plants?*

- a) S, N, Mo
- b) S, N, P
- c) S, N, B
- d) S, Mn, Mo

**Answer: b**

3. *The rate of transpiration will \_\_\_\_\_ if the atmospheric pressure is low*

- a) Increase
- b) Decrease
- c) Stay unchanged
- d) Can't be determined

**Answer: a**

4. *The main function of guard cells is to help with \_\_\_\_\_*

- a) Transpiration
- b) Guttation
- c) Transcription
- d) None of the above

**Answer: c**

5. *Transpiration is regulated by the movements of \_\_\_\_\_*

- a) Parenchyma cells
- b) Guard cells
- c) Epithelial cells
- d) None of the above

**Answer: b**

6. The steroid hormones easily pass through the plasma membrane through simple diffusion because they are \_\_\_\_\_

- a) Gaseous
- b) Carbon-based
- c) Water Soluble
- d) Lipid Soluble

**Answer:** d

7. Living cells placed in an isotonic solution tend to retain their shape and size. This is based on the principle of

- a) Diffusion
- b) Transpiration
- c) Osmosis
- d) None of the above

**Answer:** c

8. Girdling around the trunk of a tree can cause it to \_\_\_\_\_ if it cannot regrow to bridge the wound

- a) Stop absorbing water
- b) Stop growing
- c) Die
- d) None of the above

**Answer:** c

9. The only artery which carries deoxygenated blood is:

- a) Pulmonary artery
- b) Renal artery
- c) Hepatic artery
- d) Coronary artery

**Answer:** a

10. How many chambers does a frog's heart have?

- a) 1
- b) 2
- c) 3
- d) 4

**Answer:** c

11. Oxygenated blood reaches heart by

- a) Pulmonary artery

- b) Pulmonary vein
- c) Aorta
- d) Vena cava

**Answer: b**

*12. Which of the following substances is transported by blood plasma?*

- a) Food
- b) Potassium
- c) Alcohol
- d) All of these

**Answer: d**

*13. How many chambers are present in human heart?*

- a) One
- b) Two
- c) Three
- d) Four

**Answer: d**

*14. In humans, right auricle receives \_\_\_\_\_ blood from \_\_\_\_\_*

- a) Oxygenated, aorta
- b) Deoxygenated, vena cava
- c) Oxygenated, vena cava
- d) Deoxygenated, aorta

**Answer: b**

*15. Veins have valves to*

- a) Prevent back flow of blood
- b) Prevent the collapse of the vein
- c) Maintain its position in the body
- d) None of these

**Answer: a**

*16. The color of blood plasma is:*

- a) Red
- b) Pale yellow
- c) Yellowish green
- d) Pink

**Answer: b**

*17. It helps in translocation of food in plants.*

- a) Xylem
- b) Palisade cells
- c) Root hairs
- d) Phloem

**Answer: d**

*18. Where does the maximum exchange of material between blood and surrounding cells occur?*

- a) Heart
- b) Veins
- c) Arteries
- d) Capillaries

**Answer: d**

*19. What is the richest natural source of minerals for plants?*

- a) Chemical fertilizers
- b) Soil
- c) Air
- d) Water

**Answer: b**

*20. The only reptile having 4- chambered heart is:*

- a) Snake
- b) Turtle
- c) Lizard
- d) Crocodile

**Answer: d**

*21. Superior and inferior vena cava respectively carries blood from*

- a) Upper and lower parts of body
- b) Lower and upper parts of body
- c) Upper and lateral parts of the body
- d) Lateral and lower parts of the body

**Answer: a**

*22. Which of the following organisms have single circulation?*

- a) Fishes

- b) Mammals
- c) Birds
- d) Reptiles

**Answer: a**

*23. Which of the following statements is not true about blood plasma?*

- a) It is a faint yellow in color
- b) It contains corpuscles
- c) It cannot coagulate
- d) It is the fluid part of blood

**Answer: c**

*24. What prevent the backflow of blood in heart.*

- a) Septa
- b) Valves
- c) Arteries
- d) Veins

**Answer: b**

*25. Valves are not found in*

- a) Arteries
- b) Heart
- c) Veins
- d) Lymphatic

**Answer: a**

*26. Which of the following characteristics is not find in plants?*

- a) Slow transport system
- b) High energy needs
- c) No mobility
- d) Large proportion of dead cells

**Answer: b**

*27. What is normal blood pressure in humans?*

- a) 120/80 mm of Hg
- b) 130/60 mm of Hg
- c) 140/70 mm of Hg
- d) 140/ 90 mm of Hg

**Answer: a**

*28. Which of the following parts of plants is the store- house of energy?*

- a) Flowers
- b) Branches
- c) Roots
- d) Leaves

**Answer: d**

*29. Oxygenated blood is pumped from heart to rest of the body via:*

- a) Aorta
- b) Pulmonary
- c) Pulmonary vein
- d) Vena cava

**Answer: a**

*30. Transpiration and \_\_\_\_\_ help in transport of water in plants.*

- a) Translocation
- b) Photosynthesis
- c) Root pressure
- d) Shoot pressure

**Answer: c**

*31. Four chambered heart is characteristics feature of:*

- a) Fishes
- b) Amphibians
- c) Reptiles
- d) Mammals

**Answer: c**

*32. Heart is completely four chambered in -----*

- a) Amphibians
- b) Reptiles
- c) Birds
- d) Fishes

**Answer: b**

*33. Blood pressure is measured by an instrument known as:*

- a) ECG

- b) Stemoscope
- c) Sphygmomanometer
- d) EEG

**Answer: c**

*34. Which of the following substances is obtained by the plants from soil?*

- a) Nitrogen
- b) Oxygen
- c) Carbon dioxide
- d) None of these

**Answer: a**

*35. Thrombocytes is another name for*

- a) Red corpuscles
- b) Platelets
- c) Plasma
- d) White blood corpuscles

**Answer: b**

*36. Translocation utilizes energy (ATP) to transfer \_\_\_\_\_ into phloem tissue.*

- a) Sugar
- b) Fat
- c) Potassium
- d) Lipid

**Answer: a**

*37. Which vitamin helps in blood clotting?*

- a) Vitamin A2
- b) Vitamin B
- c) Vitamin E4
- d) Vitamin K

**Answer: d**

*38. Which of the following helps in maximum transport of oxygen?*

- a) Red blood corpuscles
- b) Platelets
- c) Plasma
- d) White blood corpuscles

**Answer: a**

39. A \_\_\_\_\_ force exists between the walls of xylem vessels and water

- a) Cohesion
- b) Adhesive
- c) Gravitational
- d) Transpirational pull

**Answer: b**

40. The pathway of the movement of water through cell wall is called as \_\_\_\_\_

- a) Symplastic pathway
- b) Apoplastic pathway
- c) Vacuolar pathway
- d) Plasmodesmata pathway

**Answer: b**

LiveMCQs.com