

## Sample MCQs (Essential Biology)

1. Water is a \_\_\_\_\_ solvent
  - a. Polar
  - b. Non-polar
  - c. Amphipathic
  - d. Non-polar uncharged
2. The H-O-H bond angle of water molecule is
  - a. 104.0
  - b. 104.5
  - c. 105.0
  - d. 105.5
3. Lysosomes are known as suicide bags because of the presence of:
  - a. Food vacuole
  - b. Hydrolytic activity
  - c. Parasitic activity
  - d. Catalytic activity
4. The most abundant immunoglobulin in the serum is:
  - a. IgG
  - b. IgA
  - c. IgE
  - d. IgM
5. The tracking dye used in SDS PAGE will be
  - a. Anionic
  - b. Cationic
  - c. Non-Ionic
  - d. Amphipathic
6. Thylakoid membrane of chloroplast is rich in
  - a. Galactolipids
  - b. Phospholipids
  - c. Cardiolipin
  - d. Sphingolipids
7. Which of the following is an essential amino acid?
  - a. Proline
  - b. Histidine
  - c. Leucine
  - d. Methionine
8. The shortest phase of cell cycle is:
  - a. Metaphase
  - b. Prophase
  - c. Telophase
  - d. Anaphase
9. Which of the following is LEAST likely to occur for the removal of cancerous cells in our body?
  - a. Complement fixation

- b. Autophagy
- c. Phagocytosis
- d. T-cell based cytotoxicity

10. Node of Ranvier is found on:

- a. Axon
- b. Dendrites
- c. Near nucleus
- d. Axon terminal