

## MISSION M.B.BS

Date: 27/06/2022

Subject: ZOOLOGY

Topic : BIOMOLECULES - L3

Class: Standard XI

---

Instructions:

A

1. Saturated fatty acids are mostly
  - A. solids at room temperature
  - B. liquids at room temperature
  - C. with lower melting points
  - D. with variable melting points
2. Which one of the following represents a phospholipid?
  - A. Fatty acids + Glycerol + Phosphate group
  - B. Fatty acid + Glycerol + Carbohydrate group
  - C. Fatty acid + Phosphate group
  - D. Fatty acids + Glycerol + Phosphorus
3. Glycerol is also known as
  - A. trihydroxy propane
  - B. dihydroxy propane
  - C. tetrahydroxy propane
  - D. monohydroxy propane

## MISSION M.B.BS

4. The bond formed between glycerol and fatty acid in a simple lipid is
  - A. glycosidic bond
  - B. hydrogen bond
  - C. peptide bond
  - D. ester bond
  
5. Most animal lipids are composed of \_\_\_\_\_ fatty acids whereas most plant lipids are composed of \_\_\_\_\_ fatty acids.
  - A. unsaturated; saturated
  - B. saturated; unsaturated
  - C. saturated; saturated
  - D. unsaturated; unsaturated
  
6. Which one of the following is not a derived lipid?
  - A. Steroid
  - B. Carotenoid
  - C. Arachidonic acid
  - D. Acetone
  
7. Which among the following is a phospholipid?
  - A. Lecithin
  - B. Arachidonic acid
  - C. Cholesterol
  - D. Linoleate

**MISSION M.B.BS**

8. Which one of the following statements about fats is incorrect?
  - A. The melting point of fats depends upon the chain length of the constituent fatty acid
  - B. They are sparingly or not at all soluble in water but dissolve in an organic solvent
  - C. They float on water as their specific gravity is less than 1
  - D. They can be absorbed without emulsification
  
9. Which of the following is/are not a lipid?
  - A. Oils
  - B. Fats
  - C. Waxes
  - D. None of the above
  
10. Fat is hydrolysed by the enzyme lipase to yield
  - A. fatty acid and amino acids
  - B. glycerol and fatty acids
  - C. glycerine and water
  - D. glycerol and amino acids