

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

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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

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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