ARJUNA (NEET)

# Cell: The Unit of Life

DPP-04

1. When was the most accepted model for plasmamembrane organization given?
   A. 1962 B. 1972
   C. 1984 D. 1964

2. Who proposed fluid mosaic model?
   A. Danieli and Davson
   B. Robertson
   C. Singer and Nicolson
   D. Overton

3. Phospholipid of plasmamembrane is
   A. Amphiphilic B. Polar
   C. Nonpolar D. Hydrophobic

4. Which part of phospholipid is protected from aqueous environment?
   A. Head
   B. Tail
   C. Both head and tail
   D. Phospholipid is not protected from aqueous environment

5. Tail of phospholipid is made of
   A. Fatty acids
   B. Saturated hydrocarbon
   C. Unsaturated hydrocarbon
   D. More than one is true

6. Which model for the first time stated that in plasmamembrane proteins are also present in addition to lipid?
   A. Robertson unit membrane concept
   B. Danieli and Davson model
   C. Fluid mosaic model
   D. Overton model

7. Sugars in plasmamembrane can be
   A. Branched
   B. Unbranched
   C. Both
   D. Sugars are absent in plasmamembrane

8. Sugars in plasmamembrane are associated with
   A. Lipid
   B. Protein
   C. Nucleic acid
   D. More than one is true

9. Cholesterol is present in which layer of lipid in plasmamembrane?
   A. Cytosolic monolayer
   B. Noncytosolic monolayer
   C. Both A and B
   D. Cholesterol is absent in plasmamembrane

10. Which component of plasmamembrane helps in maintenance of its fluidity?
    A. Cholesterol B. Phospholipid
    C. Glycolipid D. None

11. Who gave first sandwich model of plasmamembrane?
    A. Robertson
    B. Overton
    C. Danieli and Davson
    D. Singer and Nicolson

12. Which of the following is incorrect with respect to unit membrane as per Robertson?
    A. Lipid bilayer is sandwiched between protein layers
    B. Lipid bilayer is surrounded by Globular proteins
    C. Average a thickness of unit membrane is about 75 $\mathring{A}$
    D. All of the above

13. Which part of plasmamembrane shows both lateral and flip flop movement?
    A. Lipid B. Protein
    C. Carbohydrate D. All of the above

14. Quasifluid nature of Plasmamembrane is essential for functions like
A. Cell division
B. Cell growth
C. Endocytosis
D. All of the above

15. Transmbrane proteins are
A. Peripheral proteins
B. Integral proteins
C. Difficult to be extracted from lipid bilayer
D. Both B and C

# ANSWERS KEY

| | | | |
|---|---|---|---|
| 1. | (B) | 9. | (C) |
| 2. | (C) | 10. | (A) |
| 3. | (A) | 11. | (C) |
| 4. | (B) | 12. | (B) |
| 5. | (D) | 13. | (A) |
| 6. | (B) | 14. | (D) |
| 7. | (C) | 15. | (D) |
| 8. | (D) | | |

*Note* - If you have any query/issue

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