

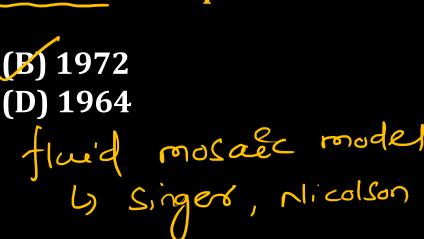
# ARJUNA NEET BATCH

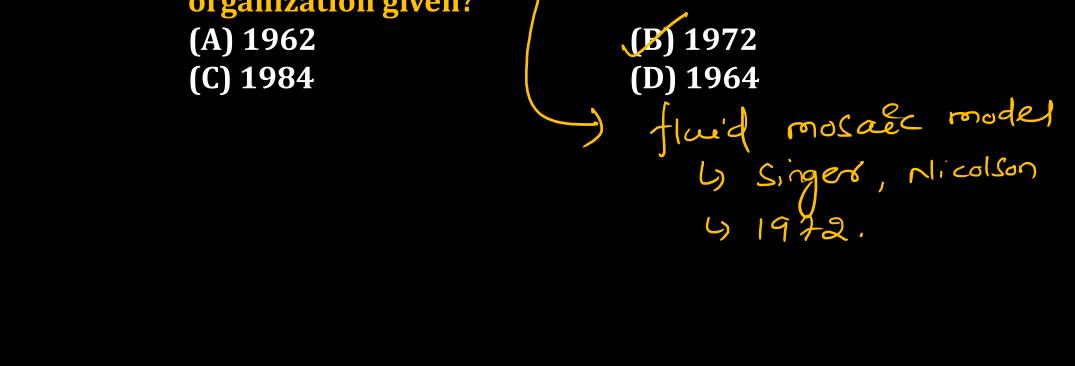




Q1. When was the most accepted model for plasmamembrane

organization given?







#### Q2. Who proposed fluid mosaic model?

- (A) Danieli and Davson > Toilanellar/ Sandwich model

  (B) Robertson > unit membrane concept
- (C) Singer and Nicolson
- (D) Overton -) lipid model.





#### Q3. Phospholipid of plasmamembrane is

(A) Amphiphilic

(B) Polar

(C) Nonpolar

(D) Hydrophobic



phospholipid (amphiphilie/amphipathie)

head tend polars t nonpolar

hydrophilie hydrophilie

hydrophilie hydrophilie

hydrophilie

hydrophilie



Q4. Which part of phospholipid is protected from aqueous environment?



- Tail -> hydrorphobiz
- **Both head and tail**
- Phospholipid is not protected from aqueous environment





- Q5. Tail of phospholipid is made of
  - (A) Fatty acids
  - (B) Saturated hydrocarbon 🗸
  - (C) Unsaturated hydrocarbon
  - (D) More than one is true





#### Q6. Which model for the first time stated that in plasmamemb 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

    - · Overston model -) PM -) lipid -> monolayer · Gosfer, Grendel -> PM -> lipid -> boilayer · Danieli, Danson -> PM -> lipid +> prostein
      - · Robertson + PM + lipid + prostein + carnsohydrate
      - · Singer, Nicolson -> PM -> lipid, + prostein + cars. 4 bilayer



#### Q7. Sugars in plasmamembrane can be

- (A) Branched 🗸
- (B) Unbranched
- (C) Both
- (D) Sugars are absent in plasmamembrane





- Q8. Sugars in plasmamembrane are associated with
  - (A) Lipid 🗸
  - (B) Protein  $\checkmark$
  - (C) Nucleic acid 💢
  - (D) More than one is true

prophent sugar > ghycoligned
prophent sugar > ghycoprosteen

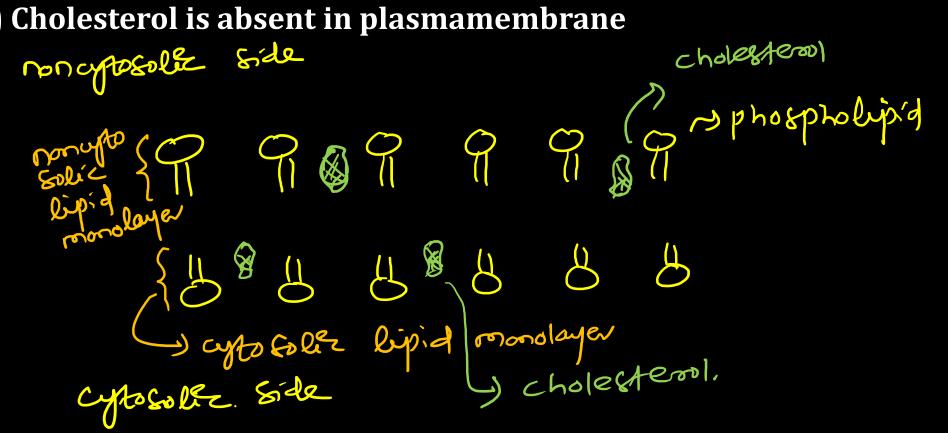




Q9. Cholesterol is present in which layer of lipid in plasmamembrane?



- (A) Cytosolic monolayer
- (B) Noncytosolic monolayer
- (C) Both A and B
- (D) Cholesterol is absent in plasmamembrane





## Q10. Which component of plasmamembrane helps in maintenance of its fluidity?

(A) Cholesterol

(B) Phospholipid

(C) Glycolipid

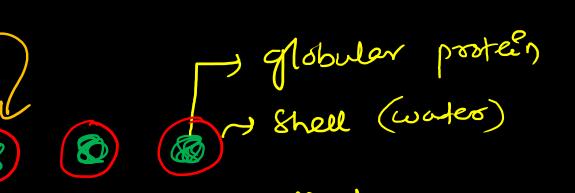
(D) None





#### Q11. Who gave first sandwich model of plasmamembrane?

- (A) Robertson
- (B) Overton
- (C) Danieli and Davson 🗖
- (D) Singer and Nicolson



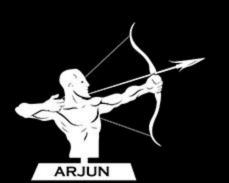








hydrosted
glabuler
prostein



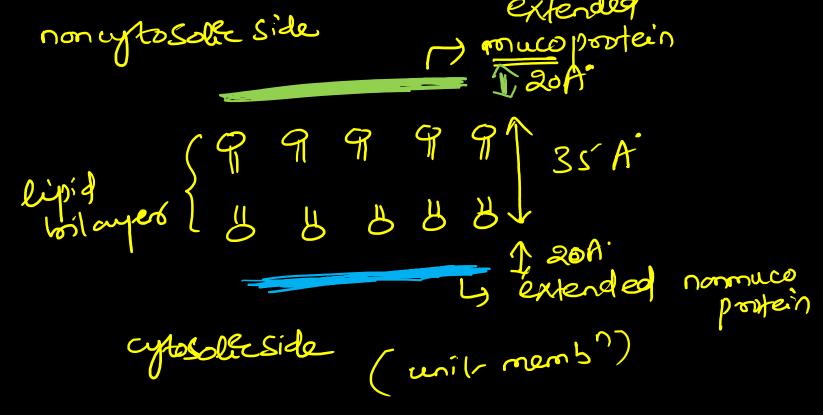
Q12. Which of the following is incorrect with respect to unit membrane as per Robertson?

(A) Lipid bilayer is sandwiched between protein layers

(B) Lipid bilayer is surrounded by Globular proteins of

(C) Average a thickness of unit membrane is about 75 A 🕝

(D) All of the above





#### Q13. Which part of plasmamembrane shows both lateral and flip flop movement?

- (A) Lipid
- (C) Carbohydrate (D) All of the above
- (B) Protein✓



### Q14. Quasifluid nature of Plasmamembrane is essential for functions like

PW

- (A) Cell division ~
- (B) Cell growth
- (C) Endocytosis
- (D) All of the above



#### Q15. Transmbrane proteins are

- (A) Peripheral proteins
- (B) Integral proteins ~
- (C) Difficult to be extracted from lipid bilayer
- (D) Both B and C









# Thank lou gtt