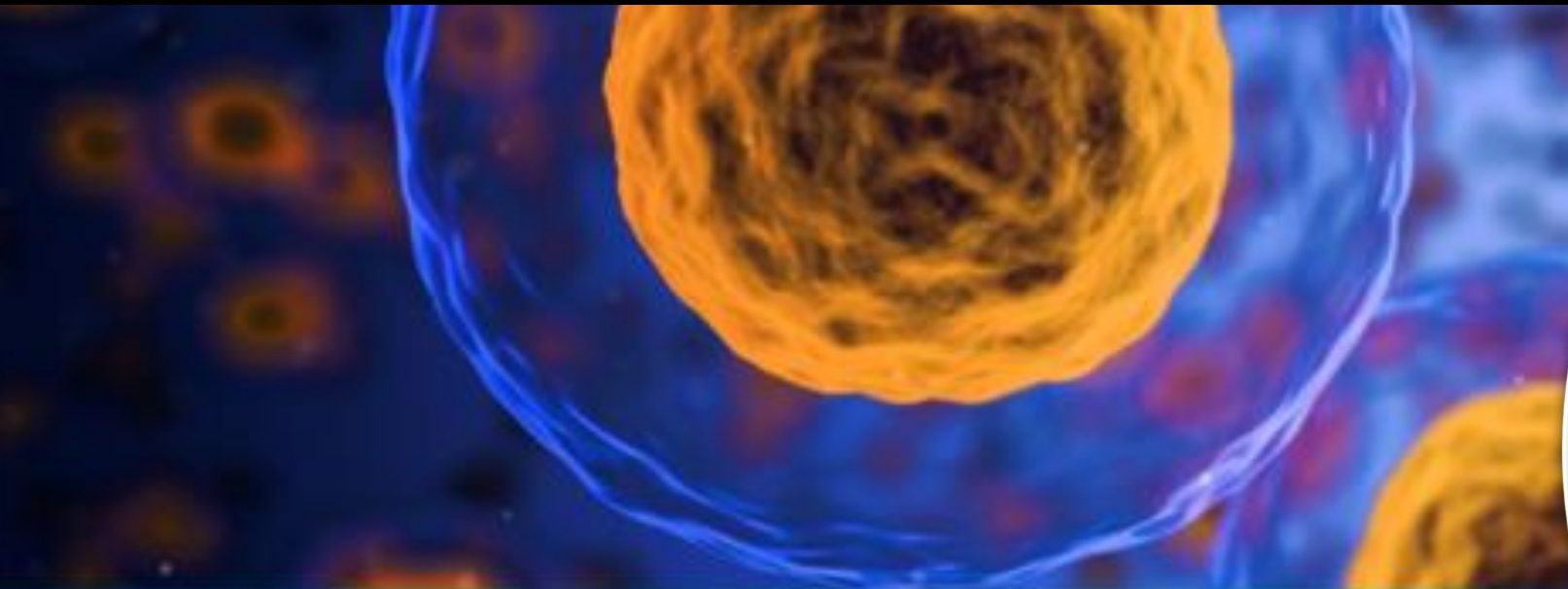




ARJUNA NEET BATCH



CELL THE UNIT OF LIFE

DPP-3

By : Biswajit Sir



Q1. Which of the following component of Plasmamembrane is present in the form of bilayer?

- ☒ A. Lipid
- B. Protein
- C. Carbohydrate
- D. All

PRACTICE TIME



plasmamembrane
↓
lipid, protein, carbohydrate
↓
phospholipid
↓
bilayer





Q2. The tail of phospholipid of Plasmamembrane should be protected from aqueous environment. Because the tail is

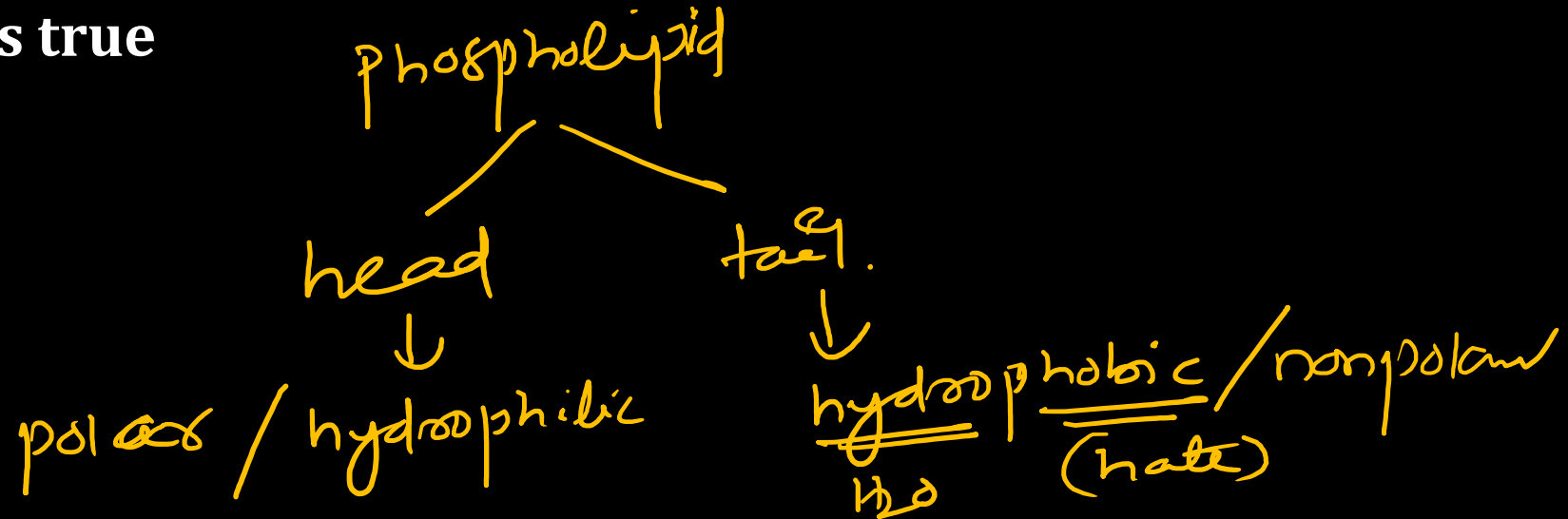
A. Nonpolar ✓ (H₂O)

B. Hydrophobic ✓

C. Polar ✗

✓ D. More than one is true

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TIME



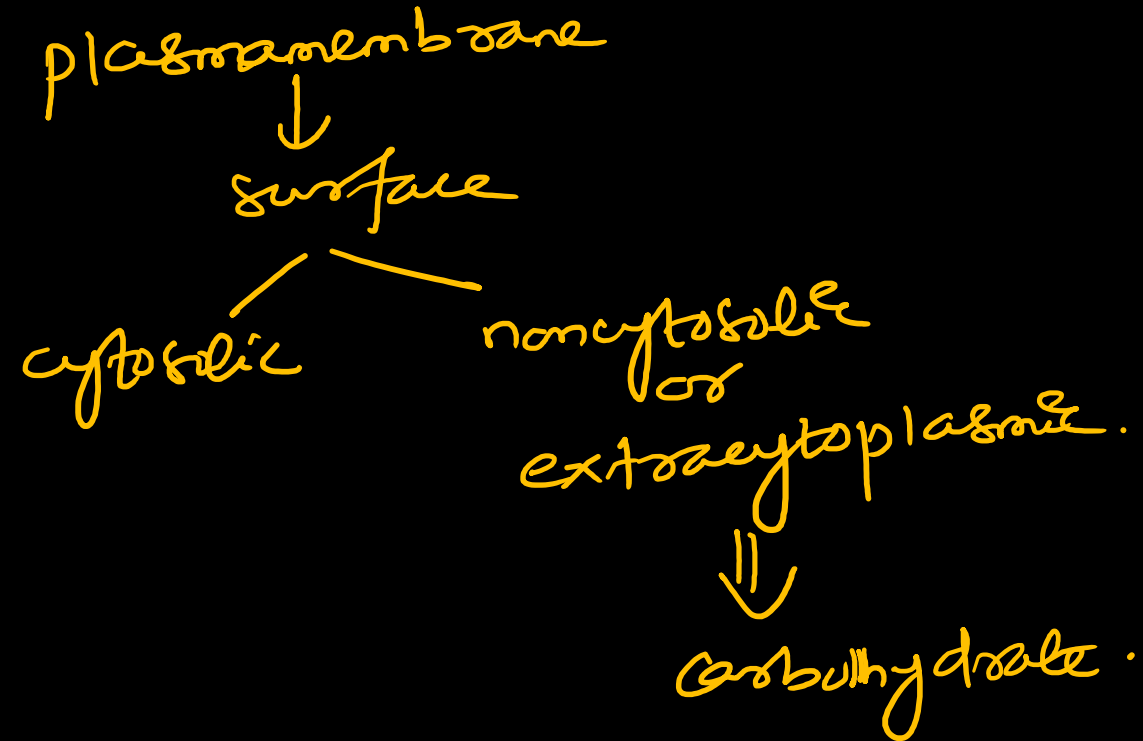
ARJUN



Q3. Which surface of Plasmamembrane has carbohydrate?

- A. Noncytosolic ✓
- B. Cytosolic ✗
- C. Extracytoplasmic ✓
- D. ✓ More than one is true

PRACTICE
TIME



Q4. Which component of Plasmamembrane is absent in prokaryote?

A. Phospholipid *+ve*

B. Glycolipid *+ve*

C. Protein *+ve*

✓ D. Sterol *-ve* (hopanoid *+ve*)
↳ Sterol like structure.

PRACTICE
TIME



Q5. Protoplast is plant cell without

- A. Plasmamembrane
- ☒ B. Cell wall
- C. Both plasmamembrane and cell wall
- D. Cell organelles

PRACTICE
TIME



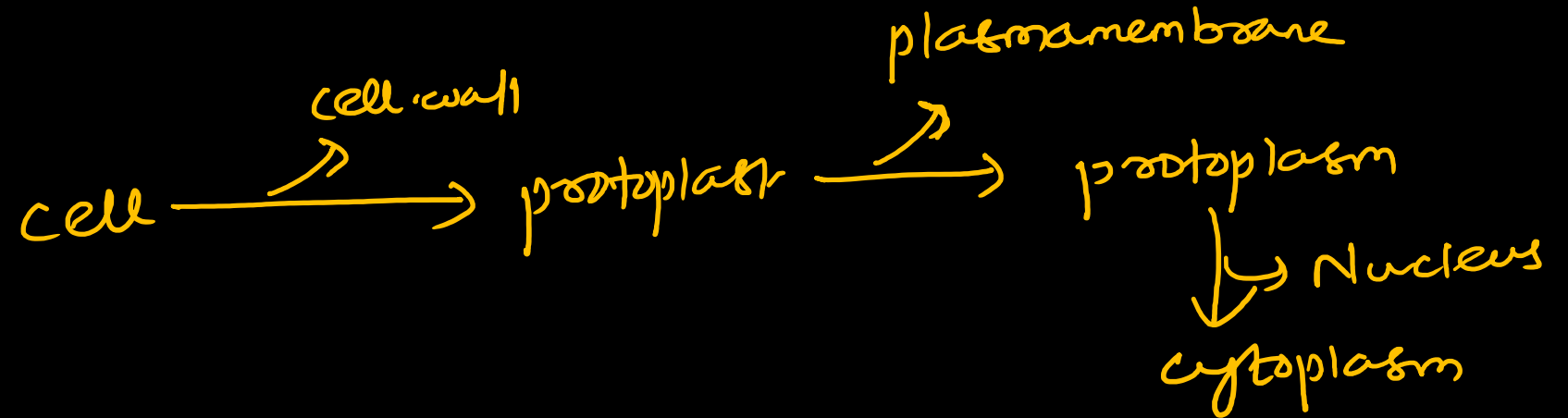
plant cell $\xrightarrow{\text{cell wall}}$ protoplast



Q6. Cytoplasm is cell without

- A. Cell wall ✓
- B. Plasmamembrane ✓
- C. Nucleus ✓
- D. All of the above ✓

PRACTICE TIME





Q7. Which of the following is nonmembrane bound organelle?

- A. Lysosome
- B. Nucleus
- ☒ C. Ribosome
- D. Plastid

PRACTICE
TIME



Q8. Which of the cell organelle helps in cell division?

- A. Lysosome
- B. Peroxisome
- ☒ C. Centrosome
- D. Endoplasmic reticulum

PRACTICE
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Q9. Danieli and Davson model can be represented as

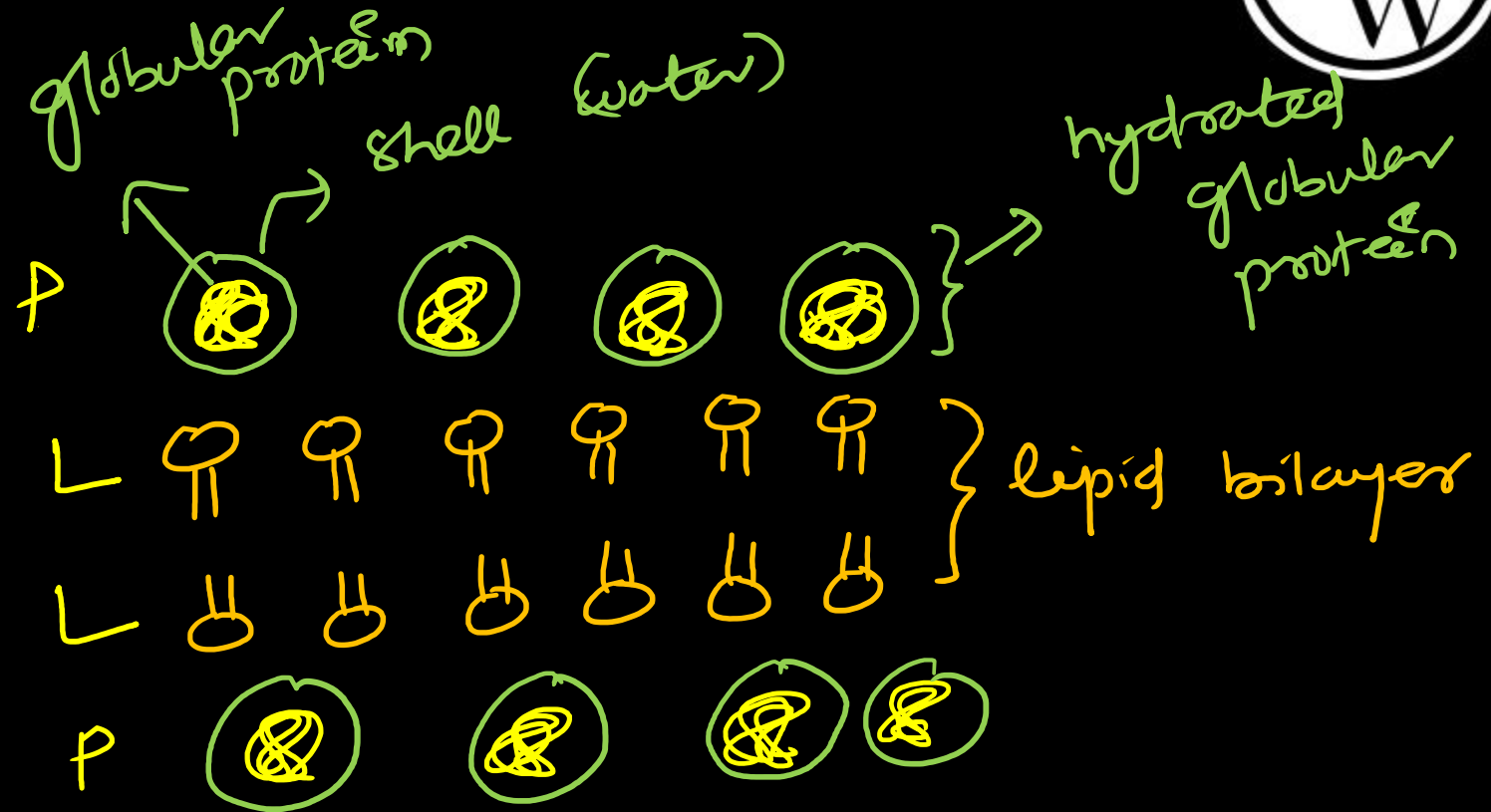
A. P - P - L - L

✓ B. P - L - L - P

C. L - P - P - L

D. P - L - P - L

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(P - L - L - P)



Q10. What is the average thickness of unit membrane?

☒ A. 75 Å

B. 35 Å

C. 20 Å

D. 30 Å

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Q11. Which of the following proteins can be extracted from Plasmamembrane easily?

- A. Integral protein
- B. Intrinsic protein
- C. Tunnel proteins
- ☒ D. Peripheral proteins

PRACTICE
TIME





Q12. Which protein of Plasmamembrane is more common?

- A. Internal proteins ✓
- B. Integral proteins ✓
- C. Peripheral proteins ✗
- D. ~~More than one is true~~

PRACTICE
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Q13. Which of the following component is similar in prokaryote and eukaryote?

- A. Ribosome α
- ☒ B. Plasmamembrane
- C. Nucleus α
- D. Lysosome α

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ribosome

Nucleus

lysosome

PK
70S

—

—

EK
70S, 80S

+

+





Q14. Which study of Plasmamembrane revealed that it contains lipid and protein?

- ☒ **A. Biochemical study**
- B. Genetical study**
- C. Anatomical study**
- D. None**

PRACTICE
TIME



chemical study \rightarrow PM \rightarrow lipid + protein
Biochemical study \rightarrow PM \rightarrow lipid + protein + carbohydrate.



Q15. Plasmamembrane is

- A. Semi-solid
- ☒ B. Quasifluid
- C. Non-living
- D. Both B and C

PRACTICE
TIME





Q16. Plasmamembrane is

- ☒ A. Selectively permeable
- B. Permeable.
- C. Impermeable.
- D. Can be any of the above

PRACTICE
TIME



Q17. Find out the odd one with respect to membrane bound organelles.

- A. Lysosome (membrane bound)
- B. Golgi body. (membrane bound)
- C. Ribosome (naked)
- D. Mitochondria (membrane bound)

PRACTICE
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Q18. Large central vacuole is present in

- ☒ A. Plant cell
- B. Animal cell. ✗
- C. Prokaryotic cell ✗
- D. All eukaryotic cells ✗

PRACTICE
TIME





Q19. Who coined the term cell?

- ☒ A. Robert Hooke → *cellula* → *cell*
- B. Robert Brown
- C. Flemming
- D. Leeuwenhoek

PRACTICE
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Q20. Which of the following is found in both prokaryotic and eukaryotic cell?

A. Plasmamembrane ✓

B. Cytoplasm ✓

C. Ribosome ✓

D. All of the above

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Thank You बच्चों

