



## QUESTION BANK

### DEPARTMENT OF MICROBIOLOGY

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### Model Questions: Objective Test Questions

(Only potential correct answer either in one word or more words)

#### Cell biology –

Sl. No.	Questions
1	Who proposed the Fluid Mosaic model of plasma membrane?
2	What is the thickness of lipid bilayer in Angstrom according to Fluid Mosaic model of plasma membrane?
3	Which kind of Lipid makes the plasma membrane more Fluid in nature?
4	Which kind of Lipid makes the plasma membrane more Rigid in nature?
5	Where does the lipid bilayer is present in a cell?
6	What should be the nature of the molecule to easily pass through the lipid bilayer?
7	Give an example of Intrinsic protein present in lipid bilayer.
8	Give an example of Extrinsic protein present in lipid bilayer.
9	Who coined the term 'Mesosome'?
10	Write the name of the Scientist who observed ribosome first time?
11	Which organelle is called as the 'Factory of Protein Synthesis'?
12	Which type of ribosome is found in Prokaryotic cells?
13	Which type of ribosome is found in Eukaryotic cells?
14	What is the value of Svedberg unit (S)?
15	Write a name of double membrane bound organelle.
16	What is the full form of ER?
17	Who discovered ER?
18	Which organelle of the cell has ribosomes embedded on their surface?
19	Who discovered Golgi apparatus?
20	Which organelle is called as 'Dictyosome'?
21	Which organelle is called as 'Power house of the Cell'?
22	Which cell has the most number of mitochondria?
23	Where does the Chlorophyll pigment is found in the Chloroplast?
24	The acrosome of sperm is originated from which cell organelle?
25	Which plant cell does not have chloroplasts?
26	Where does the DNA is found in a cell?
27	Write an example of Cell Inclusion.
28	Where does the Cell Inclusions are located inside the cell?
29	Which phase of the cell cycle is regulated by Cyclin D and cdk 4& 6?
30	In which phase of cell division crossing over occur?

Qt. No.	Answer	Qt. No.	Answer	Qt. No.	Answer
1	<i>S. J. Singer and Garth L. Nicolson</i>	11	<i>Ribosome</i>	21	<i>Mitochondria</i>
2	<i>75Å</i>	12	<i>70S</i>	22	<i>Sperm cell</i>
3	<i>Saturated fatty acids</i>	13	<i>80S</i>	23	<i>Thylakoid sacs</i>
4	<i>Unsaturated fatty acid</i>	14	<i>100 femtoseconds (10<sup>-13</sup> sec.)</i>	24	<i>Golgi apparatus</i>
5	<i>Plasma membrane</i>	15	<i>Mitochondria</i>	25	<i>Root cells</i>
6	<i>Hydrophobic molecules</i>	16	<i>Endoplasmic Reticulum</i>	26	<i>Nucleus</i>
7	<i>Band-3 protein</i>	17	<i>Keith R. Porter, Albert Claude and Ernest F. Fullam</i>	27	<i>Glycogen granules</i>
8	<i>Spectrin protein</i>	18	<i>Rough endoplasmic reticulum</i>	28	<i>Cell cytoplasm</i>
9	<i>J. D. Robertson</i>	19	<i>Camillo Golgi</i>	29	<i>G1 early phase</i>
10	<i>George Emil Palade</i>	20	<i>Golgi body</i>	30	<i>pachytene</i>