

1st Self assessment test -1

Subject -Biology.

Class -11.

F. M.= 20

Time = 45min

A. Answer the following questions briefly :- ($1/2 \times 4 = 2$)

- Which type of endoplasmic reticulum has its main function in the synthesis of lipids?
- A single membrane bound organelle rich in hydrolytic enzymes.
- Several ribosomes attached to a single mRNA.
- Cell without membrane bound nucleus.

B. Write the contribution of the following :- (2)

- Rudolf Virchow
- J. E. Purkinjee

C. Choose the correct option :- ($1/2 \times 4 = 2$)

- Desmosomes is the modification of :-
 - a. Golgi bodies
 - b. Plasma membrane
 - c. Endoplasmic reticulum
 - d. E. R nucleus complex
- Which of the following represent prokaryotic cell:-
 - a. PPLO
 - b. Micoplasma
 - c. Bacteria
 - d. All of these
- Chlorophyll occurs in Chloroplast :-
 - a. Inner membrane
 - b. Thylakoid membrane
 - c. Outer membrane
 - d. Stroma
- The term mitochondria was given by:-
 - a. Benda
 - b. Robert Hooke
 - c. D. E duve
 - d. Palade

- D. What are Grana? State it's functions. (2)
- E. Who proposed the fluid mosaic model? What is the name given to glycocalyx if it hard thick and rough. (2)
- F. Which four different sites in plant cells have ribosomes? (2)
- G. Distinguish between :- Gram positive and Gram negative bacteria, with examples also. (2)
- H. Write the function of :-
- Mesosomes
 - Plasmodesmata
- I. Is extra genomic DNA Prokaryotes and Eukaryotes? If yes, locate their position in both types of organisms. (2)
- J. Draw a labelled diagram of nucleus. (2)