



SHIKSHA CLASSES

Subject : Biology

Question Paper

Total Marks :25

Class : XI

5 : Cell Structure and Organization

Time : 1 Hour

SECTION A

Q.1 : Choose the correct option : 4

i) Which of the following set of organelles contain DNA?

- a) Mitochondria, Peroxysome
- b) Plasma membrane, ribosome
- c) Mitochondria, chloroplast
- d) Chloroplast, dictyosome

ii) Cell wall is present in

- a) Plant cell b) Prokaryotic cell
- c) Algal cell d) All of the above

iii) F₁ particles are present in

- a) plasmids b) mitochondria
- c) chloroplast d) ribosomes

iv) Growth of cell wall during cell elongation takes place by

- a) Apposition b) Intussusception
- c) Both a & b d) Superposition

Q.2 : Answer the following : 2

- i) Define cell.
- ii) Is nucleolus covered by membrane.

.SECTION B

: Answer the following : (ANY 3) 6

Q.3 : Give the postulates of modern cell theory.

Q.4 : Write a note on cell wall in Eukaryotic cells.

Q.5 : Give the functions of plasma membrane.

Q.6 : Write a note on lysosomes.

Q.7 : Distinguish between plant cell and Animal cell.

SECTION C

: Answer the following : (ANY 3) 9

Q.8 : Draw a neat and labelled diagram of Animal cell.

Q.9 : What are plastids? Explain its types.

Q.10 : Draw a labelled diagram of the structure of centriole.

Q.11 : Distinguish between smooth and Rough ER.

Q.12 : Explain the structure of plant cell wall.

SECTION D

: Answer the following : (ANY 1) 4

Q.13 : Explain the structure, location and functions of Golgi complex.

Q.14 : Draw a neat labelled diagram of chloroplast? Write a note on its structure.

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