

Q.2

Short questions.[attempt any ten]

[20 marks]

- 1 What is tubulin?
- 2 Give meaning of Prokaryotes and eukaryotes.
- 3 Explain recycling of G-actin .
- 4 Enlist utilization of cell enzymes
- 5 Write on types of plant Endocytosis
- 6 Explain - Separation of the sister chromatids.
- 7 How microtubules serve as the generating force for chromosomes separation.
- 8 How polymerization mechanism of intermediate filaments differs than actin.
- 9 Write on key player in apoptosis
- 10 Write on Phospholipids of plasma membranes.
- 11 Classify stem cell.
- 12 What makes a cell decide to commit suicide?

Longquestions 40

- Q.3 A] Classify and write note on cell junctions 5
B] Explain- how can you differentiate Animal and Plant Cell 5
- OR
- Q.3 A] Explain – models of origin “nucleus first mitochondria later” 5
B] write note on - Fluid Mosaic Model 5
- Q.4 A] Write brief account on Eukaryotic Cilia 4
B] What is centrioles and discuss Function of centrioles. 6
- OR
- Q.4 A] Explain-Axonal Microtubules are Dynamic and Stable 6
B] Write on Basal bodies are platforms for building cilia 4
- Q.5 A] Give brief account on lysozymes 6
B] What is Golgi apparatus 4
- OR
- Q.5 A] Discuss- Inclusion bodies 4
B] Write note on structure of Plasma membrane 6
- Q.6 What is Apoptosis. Explain the Mechanisms of Apoptosis with neat diagram. 10
- OR
- Q.6 Explain cell cycle and discuss “M phase” stages for plant cell with a labelled diagram. 10