

M.Sc.-Biotech.-IS-(1.1)

2019

(January)

Time : 2 hours

Full Marks : 40

*Answer any five questions
All questions carry equal marks.*

(CELL BIOLOGY)

1. Give an account of ultra structure and function of Mitochondria.
 2. What is chromatin ? Give an account of the molecular organization of chromatin.
 3. Describe the organization and role of microtubules and micro filaments.
 4. Explain the mechanism of signal transduction with a suitable example.
 5. Explain the mechanism of programmed cell death. Add a note on its significance.
 6. Write short notes on :
 - (a) Cell cycle check point
 - (b) Structural organization of Golgi apparatus
 7. Write short notes on :
 - (a) Tumor suppressor Genes
 - (b) ras
 8. Write short notes on :
 - (a) Ion channel
 - (b) Synaptic signaling.
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