

Code :9A23302

R9

II B.Tech I Semester(R09) Supplementary Examinations, May 2011  
CELL BIOLOGY  
(Biotechnology)

Time: 3 hours

Max Marks: 70

Answer any FIVE questions  
All questions carry equal marks

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1. Describe in detail the ultra structure of eukaryotic cell.
2. (a) Write briefly on protein glycosylation.  
(b) Write briefly on Lysosomol dependent proton pumps.  
(c) Discuss about Apoptosis.
3. (a) Explain the role of steroids in signal transduction.  
(b) Explain the nucleoplamic interactions.  
(c) Describe the structure and function of cilia.
4. Explain in detail the structure and functions of plasma membrane.
5. (a) Write briefly on cell Theory.  
(b) Write notes on endocytosis and Exocytosis.  
(c) What are different types of tumors?
6. (a) Describe different phases of cell cycle. Explain the details of regulation of cell cycle.  
(b) Write briefly on chaemo receptors of Bacteria.
7. Compare the genetic alterations between protooncogene and tumor suppressor gene in modulating cancer.
8. (a) Explain structure and function of lysosomes.  
(b) Describe cell division in yeast cell.  
(c) Write briefly on cytoplasmic determinants.

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