

16/15

Cell Biology

BT / III / CBCS / CB

(2)

Q.P. Code : 4947

(3 Hours)

[Total Marks : 80

- NB: (1) Question No.1 is compulsory
(2) Attempt any 3 questions out of remaining 5 questions
(3) Each question is of 20 marks
(4) Figures to right indicates full marks

1. (a) Write a note on pinocytosis (5)
(b) Describe structure of viral cell (5)
(c) Discuss metastasis (5)
(d) Write a note on neurotransmission (5)
 2. (a) Explain in detail meiosis (10)
(b) Write in brief passive transport (10)
 3. (a) Write a note on gap junction and tight junction (10)
(b) Describe biochemical changes in tumor cells (10)
 4. (a) Explain G-protein coupled receptors (10)
(b) Explain structure and function of endoplasmic reticulum (10)
 5. (a) Describe different phases in cell cycle (10)
(b) Write a note on molecular basis of tumors (10)
 6. (a) Distinguish between living cells Vs dead cell (10)
(b) Explain structure and function of cell wall (10)
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