



BT - sem III (CBGS)

CB

Cell Biology QP Code : NP-18738

(3 Hours)

23

[Total Marks :80

- N.B. : (1) Question no. 1 is compulsory.
(2) Attempt any three question out of 5 questions.
(3) Draw diagrams/ figures wherever necessary.

1. Write a short note on the following (any four) 20
- (a) Proton pump
 - (b) Desmosomes
 - (c) Necrosis
 - (d) Apoptosis
 - (e) Cell cycle
 - (f) Uniport and Antiport
2. (a) Describe structure and function of Golgi bodies. 10
(b) Describe structure and function of nucleus. 10
3. (a) Write in brief passive transport. 10
(b) Write structure of fluid mosaic model of plasma membrane. 10
4. (a) Describe in detail neurotransmission and its regulation. 10
(b) Describe biochemical changes in tumor cells. 10
5. (a) Discuss signaling mechanism of G-protein coupled receptor. 10
(b) Discuss mechanism of programmed cell death 10
6. (a) Discuss general and morphological changes in tumor cells. 10
(b) Discuss different phases of Meiosis-II 10