SE Sem III (BIOFECH) *CBS45

Sub: CB 08 DEC 2014

Cell Biology QP Code:14662

(3 Hours) (22) [Total Marks:8]

Total Marks: 80 (3 Hours) N.B. : (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 on right side indicate maximum marks. 1. (a) 05 Explain life cycle ofbacteriophage virus. (b) What are components of a plant cell wall? 05 (c) 05 Write a short note on osmosis. (d) What are different types of tumors? 05 2. (a) Explain mitotic cell division with the help of neat labeled diagrams. 10 Explain receptor mediated endocytosis with the help of neat labeled diagrams. (b) 10 Write a note on microtubule structure and synthesis at centrosome. 3. (a) 10 Explain how blood glucose level increases in response to glucagon and (p). epinephrine. What are integrins? Explain their role in formation of focal adhesions and hemi-(a) 12 desmosomes. Explain structure and function of lysosome. (b) 08 Write a note on role of oncogenes in causing Cancer. (a) 12 Distinguish between Prokaryctic cell and Eukaryctic cell. (b) 08 Explain different types oflon Channels. (a) 6. 05 (b) Write a note on structure of Mitochondrion. . 05 (c) Write a note on Collagen. 05 Distinguish between Necrosis and Apoptosis. (d) 05

GN-Con.:10201-14.