Q. P. Code: 26325

(3 Hours) Total Marks: 80

NB: (1) Question No.1 is compulsory.

(2) Attempt any 3 questions from remaining Q2 to Q6.

(3) Each question is of 20 marks.

(4) Figures to right indicates full marks.

Q.1- a) Differentiate between prokaryotic and Eukaryotic cell. 10M

b)Explain in detail about intrinsic pathway of programmed cell death. 10M

Q.2 Write Short Notes for the following. **(any 4)** 20M

a) Exocytosis
b) Laminin
c) Ion pumps
d) Cadherins
e) Proteoglycans

Q.3 Explain the following with a neat diagram. 20M

a)Integrins b) Mitochondria

c)Animal cell d) Facilitated diffusion

Q.4 a) Explain the structure and function of virus with a neat diagram. 10M

b) Explain in detail about Gap junction. 10M

O.5 a) Explain any two integral membrane proteins that play a major role in mediating cell-cell adhesion. 10M

b) Explain in detail about Auto, para and endocrine signalling. 10M

Q.6 a) Explain the steps involved in the activation of a RTK. 10M

b) Explain the structure and function of Golgi complex. 10M

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