Hemchandracharya North Gujarat University, Patan

Bachelor of Vocation

Pharmaceutical Chemistry Semester - III

End term Examination, December, 2018

PC-313 - Cell Biology

Time: 2 hrs **Date: 12/12/18** **Maximum marks: 50**

Q.1 Answer all questions. Each question carries 1 mark **(9*1=9Marks)**

1. Give functions of Cell membrane.
2. Full form of ER.
3. The type of cell division that occurs in body cells is known as :
   A Cytosis B Meiosis C. Osmosis D. Mitosis
4. Define cell cycle.
5. This structure serves as the outer boundary of the eukaryotic cell:
   A. Flagella B. Cytoskeleton
   C. Cell membrane D. Capsule
6. Define endocytosis.
7. The process of Protein formation From RNA is
   A. Translation B.Transcription
   C. Replication D.Transformation
8. Give Function of ribosome.
9. Which process requires energy for diffusion?
   A. passive diffusion B. Active diffusion
   C. Both A and B D. None of these
10. Mitochondria also known as_____.

Q. 2 Answer any 5 questions. Each question carries 4 marks. **(5*4=20Marks)**

1. Describe cell shapes & size in detail
2. Write a note on cell membrane.
3. Describe Transcription.
4. Differentiate prokaryotic cell & eukaryotic cell.
5. Write a note on Mitochondria or Chloroplast
6. Differentiate DNA and RNA
7. Explain types of RNA.

Q.3 Answer any 3 question. Each question carries 7 marks. **(3*7=21Marks)**

1. Describe the Cell wall as cellular organelle in Details
2. Describe DNA & translation.
3. Explain Mitosis as Cell division Method.
4. Explain cell division.