

Hemchandracharya North Gujarat University, Patan

Bachelor of Vocation

Pharmaceutical Chemistry Semester - III

End Term Examination, December, 2016

PC-313 - Cell Biology

Time: 2 hrs

Date:

Maximum marks: 50

Q.1 Answer all questions. Each question carries 1 mark .

(9*1=9Marks)

(OBJECTIVE QUESTIONS)

1. Give functions of Chloroplast
2. Full form of RNA
3. Most organelles in a eukaryotic cell are found in the
 - a. cell wall
 - b. nucleus
 - c. cytoplasm
 - d. capsule
4. When a cell bursts due to osmosis, it is in a solution that is:
 - a. hypertonic
 - b. isotonic
 - c. hypotonic
 - d. either A or C
5. This structure serves as the outer boundary of the eukaryotic cell:
 - a. Flagella
 - b. cell membrane
 - c. Cytoskeleton
 - d. Capsule
6. Define phagocytosis
7. The process of Protein formation From RNA is
 - a. Translation
 - b. Transcription
 - c. Replication
 - d. Transformation
8. Define Replication
9. Which of the enzyme required to join DNA bits?
 - a. DNA Ligase
 - b. DNA polymerase
 - c. Endonuclease
 - d. None of these
10. Define Necrosis

Q. 2 Answer any 5 questions. Each question carries 4 marks.

(5*4=20Marks)

(SHORT QUESTIONS)

1. Write a note on Active Transport mechanism
2. Describe cell theory in detail
3. Describe Transcription.
4. Describe the Apoptosis as cell death event
5. Write a note on Mitochondria
6. Describe DNA Replication.

Q.3 Answer any 3 question. Each question carries 7 marks.

(3*7=21Marks)

(DESCRIPTIVE QUESTIONS)

1. What is diversity? Write a note on cell Diversity.
2. Describe the Cell wall as cellular organelle in Details
3. Explain Meiosis Cell division Method.
4. Explain Chloroplast