

Hemchandracharya North Gujarat University, Patan
Bachelor of Vocation

Pharmaceutical Chemistry Semester II

END TERM Examination, April, 2018

Subject: PC 213 Biochemistry

Time: 2 hrs

Date: 26/04/2018

Marks: 50

Q.1 Answer any 9 questions. Each question carries 1 mark

[9*1=9]

1. _____ polysaccharide is also known as animal starch.
2. Differentiate aldose and ketose sugar
3. Which of the following is a simple sugar or monosaccharide?
 - a) Galactose
 - b) Lactose
 - c) Maltose
 - d) Sucrose
4. Give two examples of essential fatty acids.
6. Which of the following is not a compound lipid?
 - a) Phospholipid
 - b) Waxes
 - c) Glycolipid
 - d) Both a & b
7. The bond that links amino acids is _____
 - a) Peptide bond
 - b) Amide bond
 - c) Glycosidic bond
 - d) Both a & b
8. Give two examples of fibrous proteins.
9. Define enzyme.
10. The enzymes acting on proteins are named as _____
 - a) Lipase
 - b) Proteinase
 - c) Nuclease
 - d) None of these

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

[5*4=20]

1. Define carbohydrates and give examples of keto and aldose sugar
2. Write a note on enzyme inhibition.
3. Describe the classification of fatty acids.
4. Explain the classifications of amino acids
5. Describe importance of proteins.
6. Write a note on coenzymes.

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

[3*7=21Marks]

1. Describe the classification of carbohydrates.
2. Describe the structural classifications of proteins.
3. What are lipids? Describe compound lipids with suitable examples.
4. Describe classification & mechanism of enzyme action.