



61513

Fifth Semester B.Sc. Examination, March/April 2022

(CBCS – Semester Scheme)

BIOCHEMISTRY

Paper – V : Biochemistry

Time : 3 Hours

Max. Marks : 70

**Instructions :** 1) This paper is for the students of **new Syllabus : 2014-15.**

2) The question paper has two Parts : Part – A and Part – B.

3) Answer **any eight** questions from Part – A.

4) Answer **any nine** questions from Part – B.

PART – A

Answer **any eight** of the following questions. **Each** question carries **2** marks : **(8×2=16)**

1. What are epimers ? Give an example.
2. Write the structure of isomaltose.
3. What are heteropolysaccharides ? Give an example.
4. Write any two importance of phospholipids.
5. Define saponification numbers and give its significance.
6. What are estrogens ? Mention any two functions.
7. Write any two biological importance of oxytocin.
8. What are aromatic amino acids ? Give an example.
9. Write decarboxylation reaction of histidine.
10. Give the relationship between standard free energy change and equilibrium constant.
11. What is P : O ratio ?
12. Write the structure of ATP.



P.T.O.