

Sl. No. : 0015

BT 1.1

Total No. of Pages : 1

I Semester M.Sc. Degree Examination, July/August -2019
(SLM Scheme)
BIOTECHNOLOGY
Biomolecules (Course - I)

Time : 3 Hours

Max. Marks : 80

Instruction : Answer all the sections.

SECTION - A

Answer any Four questions from the following

[4 × 5 = 20]

1. Deoxy sugars
2. Glutathione and endorphins
3. Anfinsen's experiment.
4. Ketone bodies.
5. Nucleosides and Nucleotides.
6. Stereo chemistry of amino acids.

SECTION - B

Answer any Three questions from the following.

[3 × 10 = 30]

7. Heteropolysaccharides.
8. Secondary structure of proteins.
9. Physicochemical properties of nucleic acids.
10. Isolation of RNA from microbial source.
11. Prostaglandins.

SECTION - C

Answer any two questions from the following.

[2 × 15 = 30]

12. Give an account on pH titration of amino acid.
13. Describe the tertiary structure of protein with a suitable example.
14. Describe A,B and Z model of DNA.
15. Write brief note on
 - a) Ramachandran plot.
 - b) Applications of waxes.

