

II Semester M.Sc. Biotechnology Examination (Jan-2016)
BT 2.4: ADVANCED TECHNIQUES IN BIOTECHNOLOGY

Time: 3 Hours

Max. Marks: 80

Instruction: Answer all the sections.

Section A

Write a short note on any **FOUR** of the following

4 × 5 = 20

1. c- DNA
2. Shotgun sequencing
3. Nano crystals
4. DNA finger printing
5. Immunoblotting
6. Inverted microscopy

Section B

Answer any **THREE** questions from the following

3 × 10 = 30

7. Explain immunoferritin technique.
8. Write an account on direct fluorescence antibody technique.
9. Briefly explain Polyclonal antibody generation.
10. Describe nanobiosensors.
11. Explain genome annotation.

Section C

Answer any **TWO** questions from the following

2 × 15 = 30

12. Give an account of different types of microscopes and their applications.
13. Explain the principle and applications of radioimmuno assay.
14. Explain immunoelectrophoresis and its types.
15. Write an explanatory note on applications of microarray technology.