

Exam. Code : 107405
Subject Code : 1745

B.Sc. (Biotechnology) 5th Semester
PATENT LAWS IN BIOTECHNOLOGY
Paper—BT-4

Time Allowed—3 Hours] [Maximum Marks—40

Note :— Attempt **FIVE** questions in all, selecting at least **ONE** question from each section. The fifth question may be attempted from any section. All questions carry equal marks.

SECTION—A

1. Write a note on First Indian Patent law and the significant amendments incorporated in it. 8
2. (a) How patent writing is different from writing a research article ? What criterion qualify an innovation to be patentable ? 4
- (b) Discuss the requirements and objectives of the patent. 4

SECTION—B

3. (a) Write a note on provisional and complete specifications. What are the advantages offered while filing a provisional specification ? 6
- (b) Explain the term post grant opposition of a patent. 2

4. (a) Explain the different sources of retrieving the patent information. 6
- (b) What is the life of a patent ? What happens after its expiry ? 2

SECTION—C

5. (a) What are the principles of TRIPS agreement and how do the farmers' rights get protected under its provision ? 6
- (b) Can we patent gene or gene fragments ? Explain briefly. 2
6. Discuss briefly the status of patents related to microbes and medicinal plants. 8

SECTION—D

7. Write a note on risk associated with release of genetically modified microorganisms with reference to Biosafety, Ecological impact and Environment concern. 8
8. (a) Write a note on legal aspects of patenting. 4
- (b) Discuss the ethical issues related to human cloning. 4