

1127

B.Sc. (Hons.) Biotechnology

Fifth Semester

BIOT-Sem-V-V-T: Intellectual Property Rights and Ethical Issues in Biotechnology and Entrepreneurship

Time allowed: 3 Hours

Max. Marks: 90

NOTE: Attempt five questions in all, including Question No. I which is compulsory and selecting one question from each Unit.

x-x-x

I. Attempt the following:-

- a) What is compulsory licensing. Give its significance
- b) What amendments were introduced in Indian patent Act in 2005?
- c) What is PGRFA?
- d) Give two important patents in Biotechnology.
- e) How can be computer software protected?
- f) What is breeder's right in plant variety protection?
- g) Enlist types of Entrepreneurs.
- h) How export potential of a product is judged?
- i) How a trademark can be infringed? (9x2)

UNIT - I

- II. a) What is TRIPS agreement and how it was framed?
- b) How a patent filed and granted in India? Discuss procedure. (2x9)
- III. a) What is a patent? Give criteria of patentability. What is a patent infringement?
- b) What is patent cooperation treaty? Discuss its significance and utility. (2x9)

UNIT - II

- IV. a) Give salient features of Copyright protection in India.
- b) What constitutes infringement of an industrial design?
- c) What is Locarno classification and its use? (3x6)
- V. Explain the following:-
- a) Copyright piracy
- b) Importance of trademark
- c) Berne convention on copyright (3x6)

(2)

UNIT – III

- VI. a) Enlist Life forms which are patentable in Biotechnology. Give ethical implications of patenting in biotechnology.
b) What is a provisional and complete patent specification? (2x9)
- VII. a) What are depository considerations for biotech patents? What is the role of Budapest treaty in it?
b) What is patent literature and its search? Enlist some important databases of patent literature.
c) Discuss legal aspects of transfer of Biotechnology in India. (3x6)

UNIT – IV

- VIII. a) How Women entrepreneurship can be encouraged?
b) Discuss steps involved in development of a product and its commercialization.
c) What is Demand of product? How it can be analyzed? (3x6)
- IX. a) Discuss the role of linear programming in achieving an objective under given constraints. Give a suitable example.
b) How excise regulation was implemented in India?
c) Discuss factors that influence demand of a product. (3x6)

x-x-x