

(i) Printed Pages : 3

Roll No. ....

(ii) Questions : 9

Sub. Code : 

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Exam. Code : 

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B.Sc. (Hons.) Biotechnology 6<sup>th</sup> Semester

(2053)

**INTELLECTUAL PROPERTY RIGHTS AND ETHICAL  
ISSUES IN BIOTECHNOLOGY AND  
ENTREPRENEURSHIP**

**Paper : BIOT-605-T**

**Time Allowed : Three Hours]**

**[Maximum Marks : 90**

**Note :—** Attempt FIVE questions in all. Question No. 1 is compulsory. Select ONE question from each Unit.

1. (a) What is Paris Convention and its principle ?
- (b) What are alternate dispute resolution and its benefits ?
- (c) What is Hague Agreement and its role ?
- (d) What is Budapest treaty ?
- (e) Enlist databases for patent literature search.
- (f) What is fair dealing of work under Indian Copyright Act ?
- (g) How woman entrepreneurship can be encouraged in India ?
- (h) What is complete specification ?
- (i) How defense related patent filing is managed in India ?

2×9.

## UNIT—I

2. (a) Discuss major provisions of Indian Patent Act. Which amendments were introduced in Indian Patent Act to compliance it with TRIPS agreement ?
- (b) Write notes on :
- (i) PCT
  - (ii) GATT. 9,9
3. (a) Discuss in detail patent grant procedure in India.
- (b) Write notes on :
- (i) Compulsory licensing of patents
  - (ii) Patent infringement. 9,9

## UNIT—II

4. (a) What is a copyright and criteria for its registration in India ?
- (b) What is a trademark and its piracy ?
- (c) How a design can qualify for registration in India ? 6,6,6
5. Write notes on the following :—
- (a) Copyright infringement
  - (b) Design piracy
  - (c) Trademark passing off. 6,6,6

## UNIT—III

6. (a) Which life forms can be patented in India ? What are the depository requirements for biotech patents ?

- (b) What are the basic principles of UPOV ?
- (c) What are ethical issues related to biotechnology patenting ? 6,6,6
- 7. (a) What is patent search and its sources ?
- (b) Discuss legal aspects of transfer of biotechnology in India.
- (c) Discuss patentable subject matter under Article 27 of TRIPS. 9,5,4

#### UNIT—IV

- 8. (a) Who is an entrepreneur ? Give their characteristics.
- (b) What is demand analysis of a product ?
- (c) What is product life cycle ? 6,6,6
- 9. (a) What are the considerations for biotechnology based business development ?
- (b) How government promotes various enterprises to encourage economic development of country ? 9,9