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Total number of printed pages – 2

B. Tech
PCBT 4404

Eighth Semester Regular Examination – 2015

IPR IN BIOTECHNOLOGY, BIOSAFETY AND BIOETHICS

BRANCH : BIOTECH

QUESTION CODE : J 305

Full Marks – 70

Time : 3 Hours

*Answer Question No. 1 which is compulsory and any **five** from the rest.
The figures in the right-hand margin indicate marks.*



1. Answer the following questions :

2 × 10

- (a) Define the following terms: GATT, WTO, WIPO and TRIPS.
- (b) Differentiate between patent and trade secrets.
- (c) Differentiate between Traditional Knowledge and Geographical Indications.
- (d) What do you mean by plant patent ? What are the conditions of plant patent ?
- (e) What is the role of IBSCs ?
- (f) What do you understand by risk assessment ?
- (g) What is Bioethics ?
- (h) Define GMOs and LMOs.
- (i) Write the importance of IP in Biotechnology.
- (j) What is Industrial Design ?

2. What are the different forms of IPRs as per TRIPS agreement ? What are the conditions of patentability ? Discuss in details the procedure for filing of patent.

2+2+6

P.T.O.

3. What do you understand by ELSI of Human genome projects ? Discuss the different aspects of ELSI in details ? 10
4. (a) Write a note on PCT and its objectives. 5
(b) What are the conditions of patent infringement? Discuss remedies available for it. 5
5. (a) Write a note on Budapest Treaty. What are the implications of Budapest Treaty ? 5
(b) Discuss Geographical Indications with suitable examples. 5
6. (a) Write a note on the controversies associated with patent on Neem. 5
(b) What are the different Institutional Biosafety Committee ? What are their roles ? 5
7. (a) Write a note on Indian Patent Act 1970 and its recent amendments. 5
(b) Discuss briefly the different Biosafety Levels for infectious Micro-organisms. 5
8. Write short notes on any **two** : 5 × 2
(a) Cartagena Protocol
(b) Genetic screening
(c) Ethics in human cloning
(d) Biosafety guidelines of Government of India.

