

(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID : 2680

Roll No.

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B.Tech.

(SEM. VII) ODD SEMESTER THEORY

EXAMINATION 2013-14

BIOETHICS, BIOSAFETY AND IPR

Time : 3 Hours

Total Marks : 100

Note :—Attempt all questions. Each question carries equal marks.

1. Answer any **four** of the following :

- (a) Explain the role IPR in development of economy of a nation.
- (b) Explain, "*Is a patent granted enforceable in other countries*" ?
- (c) Describe briefly PCT and its process.
- (d) Briefly explain any two of the following :
 - (i) Patents
 - (ii) Copyrights
 - (iii) Trademark
 - (iv) Protection of IC layout.
- (e) Brief any 4 treaties of IPR.
- (f) What are the criteria of patentability ? Explain.

2. Answer any **four** of the following :

- (a) What equips the TRIPS as more effective tool to protect the rights of an inventor ?

- (b) Explain Paris Convention.
 - (c) Differentiate between Trademark, Collective Mark and Service Mark with suitable examples.
 - (d) Comment on –“Role of Patents as an incentive scheme to foster the R&D in industries”.
 - (e) Briefly define PPVFR.
 - (f) Briefly describe WIPO and its role in economic development.
3. Answer any **two** of the following :
- (a) What do you understand by –“Protection of Industrial designs”.
 - (b) Is it possible to get a World Wide Patent ? Explain.
 - (c) What is the difference between Geographical Indications and Trademarks ?
4. Answer any **two** of the following :
- (a) Explain the term Bio-Safety Levels (BSL). Briefly point out the various BSL and their significance in laboratory setup.
 - (b) Briefly detail out the case of turmeric patenting.
 - (c) Explain role of International Union for the Protection of New Varieties of Plants (UPOV).
5. Answer any **two** of the following :
- (a) Explain “Risk assessment as an important biosafety step in R&D”.
 - (b) “Transgenics and IPR” – Comment.
 - (c) What is Containment Facility under the biosafety setup of a biotechnology Lab ?