

**B.TECH., DEGREE EXAMINATIONS: NOV/DEC 2012**

Seventh Semester

**BIOTECHNOLOGY**

BTY124: IPR, Biosafety and Bioethics

**Time: Three Hours**

**Maximum Marks: 100**

**Answer all the Questions:-**

**PART A (10 x 1 = 10 Marks)**

1. Reciprocity is the main principle of.....
  - a) GATT
  - b) WTO
  - c) WIPO
  - d) TRIPS
2. BIRPI is established in the year of.....
  - a) 1983
  - b) 1893
  - c) 1783
  - d) 1993
3. Geographical indication registry located in....
  - a) Kolkata
  - b) Delhi
  - c) Mumbai
  - d) Chennai
4. The total number of sections in IPC is....
  - a) 4
  - b) 6
  - c) 8
  - d) 10
5. The main role of technical expert in patent analysis is
  - a) To understand the prior art
  - b) To study the scope of prior art
  - c) To select right prior art
  - d) To study the prior art for publication purpose
6. Which one of the following form is commonly recommended for early publication
  - a) Form - 5
  - b) Form - 7
  - c) Form - 9
  - d) Form - 18
7. In BSL's, dangerous and exotic agents are falls under the category (Level) of
  - a) BSL - 1
  - b) BSL - 2
  - c) BSL - 3
  - d) BSL - 4
8. Secondary containment means.....
  - a) Procedure and practice
  - b) Lab work place and place associated with facility
  - c) Research materials
  - d) Equipments and techniques



23. a) Write detailed account on: Patent application forms and their guidelines

**(OR)**

- b) (i) Write detailed account on Publication of patent application and their procedure (10)  
(ii) Write the procedure for filling of European patent (4)

24. a) (i) Briefly explain the different BSLs and Elements of containment (10)  
(ii) Write short notes on IBSC (4)

**(OR)**

- b) (i) Write short notes on GEAC and their functions with respect to GMOs (7)  
(ii) Briefly explain the role of RGCM in GMO's biosafety guidelines (7)

25. a) (i) Write detailed account on: Environmental release of any GMO's (6)  
(ii) What are the points to be considered before and after release of GMO's into environment (8)

**(OR)**

- b) (i) List any four International biosafety committees and their function (4)  
(ii) Write detailed account on: Cartagena protocol (10)

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