

B.TECH DEGREE EXAMINATIONS: MAY/JUNE 2013

Seventh Semester

BIO TECHNOLOGY

BTY124 : IPR.Biosafety and Bioethics

Time: Three Hours

Maximum Marks: 100

Answer all the Questions:-

PART A (10 x 1 = 10 Marks)

1. The provisional application may be filed in case of
 - a) an ordinary application
 - b) a convention application
 - c) a patent of addition application
 - d) national phase application
2. The national phase PCT application can be examined by the patent office only after
 - a) 30 months from the priority date
 - b) 48 months from the priority date
 - c) 31 months from the priority date
 - d) Any time on the request of the application
3. India is a member of
 - a) Paris convention
 - b) Strastboutg agreement and PCT
 - c) International patent treaty
 - d) Substantive patent law treaty
4. As per the Indian patent Act, a complete specification must be filed within
 - a) 12 months of filing a provisional application
 - b) 18 months of filing a provisional application
 - c) 15 months of filing a provisional application
 - d) 10 months of filing a provisional application
5. Prior art does not include
 - a) knowledge disclosed in publication
 - b) knowledge disclosed only in patents
 - c) knowledge disclosed only to members of one's family
 - d) knowledge available in the public domain
6. Can government of india use any patented invention merely for its own use?
 - a) Yes
 - b) Yes, only when the president of india sanctions such use
 - c) Yes, only after 3 years of the date of grant of the applicant
 - d) No

b) State in brief the grounds for the grant of compulsory license including terms and condition thereof?

23. a) Write short notes on

(i) IPAB and Rights of the co-owners of patent (4 +4)

(ii) Budapest treaty and Non-patentable invention (2 + 4)

(OR)

b) A research student name gabalikhon approaches you and says that he has invented a drug that cures 'Chicken gunya'. He is interested in obtaining patent for his invention in india. Explain in detail the procedure for obtaining the patent in india.

24. a) (i) How will you compare four different BSL with agents, practice and safety equipments? (6)

(ii) Write short notes on IBC with respect to human and animals as biological agents (8)

(OR)

b) Discuss about the primary and secondary containments in biosafety and write detailed account on four biosafety levels with examples

25. a) Write detailed account on methodology of risk analysis, assessment, communication and risk management for environment release of any GMO's

(OR)

b) Discuss in detail about regulatory information for release of GMO's
