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B.Tech.  
PCBT4404

8<sup>th</sup> Semester Regular Examination 2017-18  
IPR IN BIOTECHNOLOGY, BIOSAFETY & BIOETHICS  
BRANCH : BIOTECH

Time : 3 Hours

Max Marks : 70

Q.CODE : C105

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

- Q1** Answer the following questions : (2 x 10)
- a) Define trade secret with examples.
  - b) Discuss different types of patent infringement.
  - c) Define GMOs and LMOs.
  - d) What are the different types of patent?
  - e) Write down the characteristic features of biohazard?
  - f) Differentiate between product patent and process patent.
  - g) What is infringement?
  - h) What is traditional knowledge? Give suitable example.
  - i) Define RCGM, GEAC.
  - j) Role of PCT in patenting.
- Q2**
- a) Discuss the basic requirements of patent. (5)
  - b) Explain the geographical indications with examples. (5)
- Q3**
- a) Write a short note on TRIPS and its importance. (5)
  - b) Discuss the Indian Patent Act 1970 and its recent amendments. (5)
- Q5**
- a) Discuss the implications of Budapest Treaty. (5)
  - b) Discuss requirements of Trade secret with suitable examples. (5)
- Q6**
- a) Write a note on WTO. (5)
  - b) Discuss the important features of WIPO. (5)
- Q4** Discuss the different steps for patent filing in details. (10)
- Q7**
- a) Discuss the different Biosafety Levels for Microorganisms. (5)
  - b) Write a note on 'IP as a factor in R&D'. (5)
- Q8** Write Short Notes (Any TWO) : (5 x 2)
- a) Genetic testing and screening
  - b) Cartagena Protocol
  - c) Ethics in ELSI
  - d) Institutional Biosafety Committee