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Total Number of Pages : 01

B.Tech  
PBT7D003

7<sup>th</sup> Semester Regular Examination 2019-20

ETHICS AND IPR IN BIOTECHNOLOGY

BRANCH : BIOTECH

Max Marks : 100

Time : 3 Hours

Q.CODE : HR335

Answer Question No.1 (Part-1) which is compulsory, any EIGHT from Part-II and any TWO from Part-III.

The figures in the right hand margin indicate marks.

Part- I

Q1 Only Short Answer Type Questions (Answer All-10) (2 x 10)

- Which Indian Organization filed case against the turmeric patent obtained by University of Mississippi Medical Center in 1995?
- What do you understand by the term Patent infringement?
- Write the full form of RCGM and GEAC?
- What is GATT?
- Differentiate between Process patent vs product patent?
- What is PCT? Write its implications?
- What is geographical indication? Name two examples of Indian geographical indications
- What is the duration of copyright protection in India?
- What is Trade secret?
- Which things are protected under a copy right?

Part- II

Q2 Only Focused-Short Answer Type Questions- (Answer Any Eight out of Twelve) (6 x 8)

- State major changes in Indian patent system due to impact of TRIPS?
- Mention any industrial design relevant to biotech procedure? How would you proceed to protect the design as IPR?
- Define IPR? Give a brief history of IPR?
- Differentiate between GMOs and LMOs?
- What is WTO? Briefly explain the work structure of WTO.
- Write short notes on Indian Patent Act -1970?
- What do you mean by Industrial design? How it differs from Trade mark?
- Write the Roles of Institutional Biosafety Committee?
- Write down short notes on Cartagena Protocol?
- Describe the copyright ownership issue?
- Analyze briefly the Budapest Treaty?
- Briefly explain biosafety levels of specific microorganisms?

Part-III

Q3 Only Long Answer Type Questions (Answer Any Two out of Four)

- Q3 Outline the process in the filing of a patent. What is the post-acceptance process? Mention the salient features of the right of priority of the Paris convention. (16)
- Q4 What is Human Genome Project? Explain the ethical, legal and social implications addressed by Human genome project. (16)
- Q5 What do you understand by intellectual property laws? Explain any one in detail? (16)
- Q6 What do you mean by cloning? Discuss the ethics in human cloning-a case study. (16)