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Total No. of Pages : 02

Total No. of Questions : 18

B.Tech. (BT) (2018 Batch) (Sem.-4)

**INTELLECTUAL PROPRIETARY RIGHTS, BIOETHICS AND  
BIOSAFETY**

Subject Code : BTBT-404-18

M.Code : 77589

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTIONS TO CANDIDATES :**

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

**SECTION-A****Write briefly :**

1. Good safety practices and their relevance
2. Social and ethical implications of biological weapons
3. General issues on patenting in biotechnology
4. Novelty
5. Trade mark
6. Collaborative research
7. Transgenic animal
8. In-tangible property
9. Complete specifications
10. Biohazardous material

### SECTION-B

11. What is the importance of bioethics in animal, plant and microbiological sciences?
12. What are hazardous group of microorganisms and on what basis they are categorized into how many groups? Corona virus falls in which group.
13. What is Biocontainment? What are different levels of containment in biotechnological work and why are they needed?
14. How transboundary movement of GM crops and food is regulated? Which protocol plays an important role? Explain.
15. Define Patent. What are basic requirements of patentability?

### SECTION-C

16. What is Patent litigation? Explain different aspects of patent litigation and describe procedural aspects?
17. What are the principal features of Patent Cooperation Treaty? Explain its advantages and disadvantages.
18. Discuss recent trends in development of patent system.

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**