

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE - SEMESTER-VII EXAMINATION – SUMMER 2016****Subject Code:170305****Date:05/05/2016****Subject Name: Intellectual Property Rights and Bioethics ( Department Elective-I )****Time:02:30 PM to 05:00 PM****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Define & explain IPR along with its economic significance in case of developing nations. **07**
- (b) Write a note on various factors that need to be considered while patenting a biological material. **07**
- Q.2** (a) Discuss the complete the patent claims and legal decision making process of IPR in India. **07**
- (b) Discuss the tools for design and decision in professional ethics. **07**
- OR**
- (b) What is bioethics? Explain professional ethics in biomedical engineering. **07**
- Q.3** (a) What are the ethical issues related to use of drugs and medical devices in treatment? **07**
- (b) Explain the advantages and disadvantages of using WIPO and IPO databases for patent search. **07**
- OR**
- Q.3** (a) Discuss the ethical issues related to use for drugs and medical devices in case of emergency? **07**
- (b) Explain the following terms: I) GATT II) Patent Law Treaty **07**
- Q.4** (a) Discuss the Case study related to Basmati Rice. **07**
- (b) Write a short note on: Non Patentable subject matter under Indian Patent Rules. **07**
- OR**
- Q.4** (a) What are the classes of works for which copyright protection is available in India? Who is the first owner of copyright in different classes of work? **07**
- (b) Differentiate between Trademark and Geographical Indication **07**
- Q.5** (a) What do you mean by Public Domain and explain its importance? How it is different from Open Access? **07**
- (b) What is WTO? Explain its functions. **07**
- OR**
- Q.5** (a) Explain the role of International Union for Protection of New Varieties of Plants in IPR. **07**
- (b) Explain the term; Value of life with respect to bioethics. **07**

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