

GUJARAT TECHNOLOGICAL UNIVERSITY**B E Sem-VI Examination May 2011****Subject code: 160406****Subject Name: Bioethics, Patents and IPR****Date: 24/05/2011****Time: 10.30 am – 01.00 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) State the various Bioethical Issues concerning In Vitro fertilization and Embryo Transplantation. **07**
- (b) Discuss on central medical goals of Organ Transplantation and various bioethical concerns arising for decision-making about organ transplantation. **07**

- Q.2** (a) Elaborate on the different Principles involved in Bioethics. **07**
- (b) State the applications of the Principle of Respect for Autonomy **07**

OR

- (b) State the applications of the Principle of Beneficence **07**

- Q.3** (a) Write your Agreement/Disagreement, based on Bioethical Considerations whether Genetic Testing and Counselling be permitted? **07**
- (b) Define IPR. Give a brief history about IPR. **07**

OR

- Q.3** (a) What is Artificial Insemination? Discuss on the various Bioethical issues arising due to the technique. **07**
- (b) Give a detail idea about patents with suitable example **07**

- Q.4** (a) Describe elaborately TRIPS agreement. **07**
- (b) What do you understand by intellectual property laws? Explain any one in detail. **07**

OR

- Q.4** (a) What are the safety points need to be consider in biotechnology point of view related to environmental release of GMOS. **07**
- (b) What is the impact of IPR in context of biotechnology industry? **07**

- Q.5** (a) What are the legal implications that can be taken for farmers right protection. **07**
- (b) What are the points need to be considering while filling patent application? **07**

OR

- Q.5** (a) What are the information and undertaking needs to be taken for foreign application? **07**
- (b) Explain the following terms with suitable examples: Trademarks, Trade Secrets, WHO and FAO. **07**
