

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE - SEMESTER-VII (NEW) EXAMINATION – WINTER 2018****Subject Code: 2170408****Date: 29/11/2018****Subject Name: Biosafety, Patents and IPR****Time: 10:30 AM TO 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.

|            |  | MARKS     |
|------------|--|-----------|
| <b>Q.1</b> | (a) What is Trade Secret?  | <b>03</b> |
|            | (b) Briefly explain the concept of Domain Names.   | <b>04</b> |
|            | (c) Comment on the evolution of patent laws and history of Indian Patent System.   | <b>07</b> |
| <b>Q.2</b> | (a) Give the importance of Geographical Indications.   | <b>03</b> |
|            | (b) Compare the Patent Laws in India and USA.  | <b>04</b> |
|            | (c) Comment on various categories of patents.  | <b>07</b> |
|            | <b>OR</b>  |           |
|            | (c) Explain the rights and duties of patent holder.  | <b>07</b> |
| <b>Q.3</b> | (a) What do you mean by Special Patents?   | <b>03</b> |
|            | (b) How will you patent biological products?   | <b>04</b> |
|            | (c) Discuss infringement of patent rights and offenses.  | <b>07</b> |
|            | <b>OR</b>  |           |
| <b>Q.3</b> | (a) Give the importance of bio-safety.   | <b>03</b> |
|            | (b) What is Cartagena protocol? Give its importance.   | <b>04</b> |
|            | (c) What is Farmer's Right Act 2001? Describe the methods of protection of plants and plant products.                          | <b>07</b> |
| <b>Q.4</b> | (a) Explain the UPOV convention.   | <b>03</b> |
|            | (b) Highlight the importance of bio-safety databases.  | <b>04</b> |
|            | (c) Comment on the assessment of risk associated with the release of RDT products.   | <b>07</b> |
|            | <b>OR</b>  |           |
| <b>Q.4</b> | (a) Explain the concept Transgenic Technology.   | <b>03</b> |
|            | (b) Comment on Good Laboratory Bio-Safety practices.   | <b>04</b> |
|            | (c) What are National Regulatory Bodies in India? Explain the roles of such bodies with respect to bio-safety of GMOs release. | <b>07</b> |
| <b>Q.5</b> | (a) Comment on General Good Laboratory practices.  | <b>03</b> |
|            | (b) Bio-safety of genetically engineered products.   | <b>04</b> |
|            | (c) How patents are classified in India? Comment with suitable examples.   | <b>07</b> |
|            | <b>OR</b>  |           |
| <b>Q.5</b> | (a) Compare the Patent Laws in India and China.  | <b>03</b> |
|            | (b) Comment on future opportunities of transgenic technology.  | <b>04</b> |
|            | (c) What is WIPO? Comment on the classification of patents by WIPO and its significance.                                       | <b>07</b> |

\*\*\*\*\*