

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER– VII (New) EXAMINATION – WINTER 2019****Subject Code: 2170408****Date: 03/12/2019****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
Q.1 (a) Explain the concept of gene flow	03
(b) Briefly describe Bio-safety Database.	04
(c) What is Farmer's Right Act 2001? Describe the methods of protection of plants and plant products.	07
Q.2 (a) What are GMOs?	03
(b) Define Risk assessment and enlist different aspects of it.	04
(c) Explain Cartagena Biosafety Protocol	07
OR	
(c) Describe the classification of patents by WIPO	07
Q.3 (a) What do you mean by Special Patents?	03
(b) Explain in brief : Principlism	04
(c) Explain the terminology: Trade secret, Trademark and copyright.	07
OR	
Q.3 (a) Give the importance of bio-safety.	03
(b) What are different categories of patents	04
(c) Risk assessment in animal biosafety	07
Q.4 (a) Comment on the infringement of patent Rights.	03
(b) Good Laboratory Bio-safety practices.	04
(c) Microbial risk assessment	07

OR

(b) What are the roles of patent agent? **04**

(c) What are National Regulatory Bodies in India? Explain the roles of such bodies with respect to bio-safety of GMOs release. **07**

Q.5 (a) What is domain name? **03**

(b) What are the limitations of Patent Rights **04**

(c) Describe the methods of protection of plants and plant products. **07**

OR

Q.5 (a) Give the full form of the following: **03**
1) WIPO 2) GATT 3) TRIPS

(b) Explain the ownership of Patent. **04**

(c) Comment on the bio-safety of genetically engineered products. **07**

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