

GUJARAT TECHNOLOGICAL UNIVERSITY

BE- SEMESTER-VII (NEW) EXAMINATION – WINTER 2020

Subject Code:2170408

Date:30/01/2021

Subject Name:Biosafety, Patents and IPR

Time:10:30 AM TO 12:30 PM

Total Marks: 56

Instructions:

1. Attempt any **FOUR** questions out of **EIGHT** questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

		MARKS
Q.1	(a) Enlist all factors that may be taken into considering the biosafety of a GMO.	3
	(b) Write short notes on IBSC and Monitoring cum evaluation committee.	4
	(c) Write a detailed note about patenting of biological products	7
Q.2	(a) What are GI and state the advantages of GI.	3
	(b) Elaborate on the concept of trade secret.	4
	(c) Explain all three amendments to the Indian Patents Act.	7
Q.3	(a) Write characteristics of a Utility patent.	3
	(b) Who or what can own patents? Explain co-ownership v/s partnership.	4
	(c) What are special patents?	7
Q.4	(a) Who is eligible to become a patent agent	3
	(b) What is vertical and horizontal gene flow? What portions of a plant can contribute to gene flow?	4
	(c) Explain the concept of capacity building.	7
Q.5	(a) What are new varieties, extant varieties and farmers varieties?	3
	(b) Why did India not opt for UPOV?	4
	(c) What are the different types of infringement that are possible, elaborate on the same? What are the different remedies for infringement that the court can order (give brief account)	7
Q.6	(a) What do you mean by accounts of profits as a remedy for infringement.	3
	(b) Mention the five different methods for protecting plant varieties (as intellectual property)	4
	(c) Write a note on capacity building, as a part of Cartagena protocol on biosafety.	7
Q.7	(a) What are the good laboratory practices for a BSL 2 lab.	3
	(b) What factors are to be considered while assessing risk of RDT products	4
	(c) Write a note on international regulatory bodies involved with biosafety.	7
Q.8	(a) Elaborate on different risk groups of micro organisms.	3
	(b) What are RDT products, mention at least 2 and elaborate on Insulin as an RDT.	4
	(c) Discuss the functions of national regulatory bodies for biosafety.	7