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**GIET UNIVERSITY, GUNUPUR – 765022**  
M. Sc. (Third Semester) Examinations, December – 2022  
**20BTPC304 – Intellectual Property Rights, Biosafety and Bioethics**  
(Biotechnology)

Time: 3 hrs

Maximum: 70 Marks

(The figures in the right hand margin indicate marks.)

**PART – A****(2 x 10 = 20 Marks)**

Q.1. Answer ALL Questions	CO#	Blooms Level
a. What is intellectual property? How do you protect it.	CO1	2
b. What is the difference between trade mark and trade secret?	CO1	2
c. What is the importance of prior art search?	CO2	3
d. What do you mean by patent infringement?	CO2	2
e. Mention the sequential steps of environmental risk assessment.	CO2	3
f. What is the difference between Biosafety and Biosecurity?	CO3	3
g. What is the concern of bio-containment?	CO3	4
h. What is the role of OECD consensus documents and Codex Alimentarius.	CO3	3
i. What do you mean by euthanasia?	CO4	3
j. What do you mean by biodiversity?	CO4	2

**PART – B****(10 x 5 = 50 Marks)**

<u>Answer ANY FIVE questions</u>	Marks	CO#	Blooms Level
2.a. Give a note on patent and its types.	5	CO1	2
b. Mention the principle and objectives of WIPO	5	CO1	2
3.a. What is International framework for the protection of IP	5	CO1	3
b. Give a note on PCT and its role in filing an international patent application.	5	CO2	3
4. What is collaborative research? Describe the benefits of collaborative research.	2+8	CO2	4
5. How do you draft a patent? Describe the patent filing steps and forms in India.	10	CO2	2
6. What is Bio-safety? Explain the recommended Bio-Safety Levels (BSL) for working with an infectious agent.	2+8	CO3	4
7. Mention the role of GEAC, RCGM and IBSC in framing regulatory framework.	10	CO4	3
8.a. Give a note on protection of environment and biodiversity?	5	CO3	4
b. Describe various ethical conflicts in research and biological science?	5	CO4	4

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