

**GANDHI INSTITUTE OF ENGINEERING AND TECHNOLOGY UNIVERSITY, ODISHA, GUNUPUR
(GIET UNIVERSITY)**



M. Sc. (Third Semester) Regular Examinations, December – 2024
**22BTPC304 – 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. Define Patent.	CO1	K2
b. State the term TRIPS.	CO1	K2
c. Write few objectives of WTO.	CO2	K2
d. Write the process in which the decisions made in OECD (Organization for Economic Co-operation and Development).	CO2	K2
e. Define the term GATT.	CO3	K2
f. List the precautions should government take for environmental protection.	CO3	K2
g. List out the significance of Trademarks.	CO4	K2
h. State the term Biodiversity.	CO4	K2
i. Write in brief Biohazards & Biosafety.	CO5	K2
j. Write the modes of Trades.	CO5	K2

PART – B**(10 x 5 = 50 Marks)****Answer ANY FIVE questions**

	Marks	CO #	Blooms Level
2. a. Explain the documents required for filling a patent application.	5	CO1	3
b. Differentiate between copyright and patent.	5	CO1	3
3.a. Briefly explain the non-patentable inventions.	5	CO1	3
b. Define patent specification. Discuss the various types of patent application.	5	CO2	4
4. a. Write a note on GMOs & LMOs. Discuss their environmental impact.	5	CO2	4
b. Discuss Farmer's Rights and Plant Breeder's Rights.	5	CO2	4
5.a. Discuss the aim of PPV and FAR act regarding their innovation, benefits, fairness in the use of GMOs, new breeders and genetic resources.	5	CO3	4
b. Describe Bioethical issues related to medicine and healthcare industry.	5	CO3	4
6. a. Explain protection of plant varieties and farmers Right Act.	5	CO4	3
b. Elaborate the concept of Patent infringement and its various types.	5	CO4	4
7.a. Differentiate Transgenic crops and CIS genic plants.	5	CO4	3
b. Describe of RCGM, GEAC and IBSC.	5	CO5	4
8. a. Discuss EPA Act and Rules.	5	CO5	4
b. "Using GMOs for sustainable agriculture is ethical". Comment".	5	CO5	4