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Gandhi Institute of Engineering and Technology University, Odisha, Gunupur (GIET UNIVERSITY)

M.Sc. (Fourth Semester – Regular/ Supplementary) Examinations, April – 2026

24MMGOE24011 – Ethics & IPR

(Common to All Except Biotechnology branch)

Time: 3 hrs

Maximum: 60 Marks

Answer ALL questions

(The figures in the right hand margin indicate marks)

PART – A

(2 x 5 = 10 Marks)

Q.1. Answer **ALL** questions

	CO #	Blooms Level
a. Define moral, ethics, and ethical dilemma with examples.	CO1	K1
b. Explain emotional intelligence in ethical decision-making.	CO1	K2
c. List features of professionalism and accountability	CO2	K1
d. Explain moral pluralism and moral relativism	CO3	K2
e. Define patent, copyright, and geographical indication	CO4	K1

PART – B

(10 x 5 = 50 Marks)

Answer **ALL** the questions

	Marks	CO #	Blooms Level
2. a. Explain Kohlberg's theory contribution to moral development.	5	CO1	K3
b. Analyze the role of emotional intelligence in resolving ethical conflicts in professional life.	5	CO1	K4
(OR)			
c. Explain Aristotle's ethical framework and its relevance in modern society.	5	CO1	K3
d. A manager favours a relative during recruitment despite better candidates being available. Analyse the situation based on value systems and ethical principles.	5	CO1	K4
3.a. How can you justify IP as a factor in R&D.	5	CO2	K3
b. Analyze conflict of interest situations in corporate environments with examples.	5	CO2	K4
(OR)			
c. A software engineer is asked to release a product with known bugs to meet deadlines. Analyze responsibilities and suggest an ethical course of action.	5	CO2	K5
d. Explain duties of professionals toward organization and society with examples.	5	CO2	K3
4.a. Compare deontology, and virtue ethics.	5	CO3	K4
b. what are the consequences of high EQ and low EQ?	5	CO3	K4
(OR)			
c. A pharmaceutical company releases a drug with minor side effects to meet urgent demand. Evaluate the decision using ethical theories.	5	CO3	K5
d. Explain structured approaches for resolving ethical dilemmas.	5	CO3	K3
5.a. Explain types of intellectual property and their industrial applications.	5	CO4	K3
b. Analyse the role of IPR in biotechnology and innovation	5	CO4	K4
(OR)			

c.	A company uses traditional knowledge from a local community without permission. Analyze ethical and legal implications related to IPR.	5	CO4	K5
d.	Explain international frameworks such as TRIPS, WIPO, and WTO in IPR protection.	5	CO4	K2
6.a.	Explain novelty, inventive step, and prior art in patentability.	5	CO5	K3
b.	Analyse the process of patent filing and its challenges.	5	CO5	K4
(OR)				
c.	A company launches a product already patented by another firm, claiming minor modifications. Evaluate the situation in terms of infringement and legal remedies.	5	CO5	K5
d.	Explain patent infringement, litigation, and remedies with examples.	5	CO5	K3

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