

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



B. C. A (Sixth Semester) Examinations, April 2025

## BCA20602 – Values and Ethics of Profession

Time: 3 hrs

Maximum: 70 Marks

The figures in the right hand margin indicate marks.

### PART – A: (Multiple Choice Questions)

(1 x 10 = 10 Marks)

#### Q. 1 Answer **ALL** questions

		CO #	PO #
a.	A harmonious world is created by values at 4 levels. These are:	CO2	PO8
	i. Home, family, society, country		
	ii. Individual, family, society, universe		
	iii. School, home, office, temple		
	iv. None of the above		
b.	Which of the following is a consequentialist theory?	CO1	PO8
	i. Utilitarianism		
	ii. Divine command theory		
	iii. Kantian ethics		
	iv. Virtue ethics		
c.	Which of the following is a key principle of utilitarianism?	CO1	PO8
	i. Categorical imperative		
	ii. Universal law		
	iii. Greatest happiness principle		
	iv. Natural law		
d.	What is the central focus of virtue ethics?	CO2	PO8
	i. The consequences of actions		
	ii. The character of the moral agent		
	iii. The cultural norms of a society		
	iv. The adherence to duty and rules		
e.	Which of the following is <b>not</b> a non-renewable resource?	CO3	PO7
	i. Coal		
	ii. Petroleum		
	iii. Natural gas		
	iv. Wind		
f.	Which of the following energy sources contributes least to greenhouse gas emissions?	CO3	PO7
	i. Coal		
	ii. Solar		
	iii. Oil		
	iv. Natural gas		
g.	Which convention aims to protect biodiversity?	CO5	PO7
	i. Convention on Biological Diversity (CBD)		
	ii. Kyoto Protocol		
	iii. Basel Convention		
	iv. Montreal Protocol		
h.	One major challenge in technology transfer to developing nations is:	CO5	PO7
	i. High literacy rates		
	ii. Strong existing infrastructure		
	iii. Lack of skilled labor		
	iv. Surplus of natural resources		
i.	What is one advantage of the assembly line process?	CO4	PO7
	i. Customization of each product		
	ii. Slower production rates		
	iii. Increased efficiency and mass production		
	iv. Reduced worker specialization		
j.	A potential disadvantage of automation is:	CO4	PO8
	i. Improved product quality		
	ii. Job displacement for unskilled workers		
	iii. Lower productivity		
	iv. Increased human error		

**PART – B: (Short Answer Questions)****(2 x 10 = 20 Marks)**Q.2. Answer ALL questions

	CO #	PO #
a. Define virtue ethics.	CO2	PO8
b. State the Reports of Club of Rome.	CO3	PO8
c. What do you mean by Sustainable Development.	CO3	PO7
d. How does ethical relativism view moral truth?	CO1	PO8
e. What are the drawbacks of fossil fuels?	CO4	PO7
f. Define sustainable development. Write the three pillars of sustainability.	CO3	PO7
g. What are the purposes of ethics in Information Technology?	CO4	PO8
h. State the various methods of external technology transfer.	CO5	PO7
i. Find the codes of a professional ethics.	CO1	PO8
j. What is whistleblowing?	CO5	PO7

**PART – C: (Long Answer Questions)****(10 x 4 = 40 Marks)**Answer ALL questions

	Marks	CO #	PO #
3.a. Explain in brief the theory of ethical relativism and ethical naturalism.	5	CO2	PO8
b. What do you mean by moral and ethical judgement? Support your statement with canons of ethics.	5	CO1	PO8
<b>(OR)</b>			
c. Define virtue ethics? Explain its main principles and illustrate your answer with relevant real-life or professional examples.	5	CO1	PO8
d. Compare and contrast the ethics of duty and the ethics of responsibility.	5	CO2	PO8
4.a. How has rapid technological growth contributed to the depletion of natural resources? Discuss.	5	CO3	PO7
b. What are the key messages of the Reports of the Club of Rome, particularly <i>The Limits to Growth</i> ? Discuss their relevance.	5	CO3	PO7
<b>(OR)</b>			
c. Describe the effective functioning of environmental regulations and environmental ethics with respect to public policy strategy.	5	CO3	PO7
d. What is Appropriate Technology? Explain with an example.	5	CO4	PO7
5.a. What do you mean Technology ethics? Mention the necessary considerations and the steps involved in ethical use of technology.	5	CO5	PO8
b. Write a brief note on Corporate Social Responsibility.	5	CO4	PO7
<b>(OR)</b>			
c. Define technology transfer? Explain its significance and describe the key stages involved in the process of transferring technology from one entity to another.	5	CO5	PO7
d. Discuss the advantages Assembly Line in manufacturing and industrial production.	5	CO4	PO7
6.a. What is whistleblowing in workplace? Discuss the various types, good practices and benefits of whistleblowing,	10	CO3	PO8
<b>(OR)</b>			
b. Differentiate between business and profession ideals.	5	CO4	PO8
c. Discuss 'Social Responsibility in Technology' with example.	5	CO3	PO7

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