

**HUMAN VALUES AND PROFESSIONAL ETHICS
(HMTS 2001)**

Time Allotted : 3 hrs

Full Marks : 70

Figures out of the right margin indicate full marks.

*Candidates are required to answer Group A and
any 5 (five) from Group B to E, taking at least one from each group.*

Candidates are required to give answer in their own words as far as practicable.

**Group - A
(Multiple Choice Type Questions)**

1. Choose the correct alternative for the following: **10 × 1 = 10**
- (i) Sustainable development goals adopted by the United Nations are to be achieved by the year
(a) 2015 (b) 2030 (c) 2010 (d) 2050
- (ii) Find the correct pair
(i) Gandhi (p) Automation
(ii) John Diebold (q) Climate
(iii) Henry Ford (r) Trusteeship in CSR
(iv) Greta Thunberg (s) Assembly line
(a) i-q, ii-s, iii-r, iv-p (b) i-r, ii-p, iii-s, iv-q
(c) i-r, ii-s, iii-p, iv-q (d) i-r, ii-q, iii-p, iv-s
- (iii) Predictive algorithms, machine language, 3D Printing, data mining are associated with _____
(a) 1st Industrial Revolution
(b) 2nd Industrial Revolution
(c) 3rd Industrial Revolution
(d) 4th Industrial Revolution
- (iv) Marketing, licensing, evaluating and developing inventions from laboratory into marketable products is related to the process of _____
(a) Tech transfer (b) Energy crisis
(c) Industrialization (d) Sustainable Development
- (v) Consequentialism is an ethical theory that judges whether or not something is right by what its consequences are
(a) True
(b) False

- (vi) 'Ego' is a concept propounded by
(a) Sigmund Freud (b) Jeremy Bentham
(c) Carol Gilligan (d) Kohlberg
- (vii) Passing of technology from one phase of its life cycle to another is better known as _____
(a) Horizontal technology transfer (b) Vertical technology transfer
(c) Radial technology transfer (d) Diagonal technology transfer
- (viii) Alex is preparing for exams and feels the urge of using unfair means. For consequences he mentally weighs all possibilities and decides to work hard rejecting his urge. Choose the correct order of the psychoanalytic concepts as Alex goes through his decision making.
(a) Id > Ego > Superego (b) Superego > Id > Ego
(c) Ego > Id > Superego (d) Ego > Superego > Id
- (ix) The famous graph of 1972 research uses five parameters to predict the much anticipated mid-21st century ecological and economic catastrophe. Which among the following is the correct list of those parameters?
(a) Population, Pollution, Industrial output, Natural resources
(b) Water, Air, Population, Industrial output, Human resources
(c) Population, Climate, Ecology, Economy, Energy
(d) Society, Ecology, Economy, Energy, Sustainability
- (x) Corporate Social Responsibility is _____ for all profit making business organizations
(a) mandatory (b) optional (c) voluntary (d) ethical

Group- B

2. Write short notes on of the following
(i) Technology and socialization. [(CO4) (Remember/LOCQ)]
(ii) Maslow's need priority theory and corruption in general. (CO1)(Remember/IOCQ)]
(6 + 6) = 12
3. You are working in a big media house. The new CEO is showing allegiance towards the ruling party of a particular state. You can understand this by observing the fact that hardly any news item criticising that government finds space in your newspaper. You are disturbed by this because you believe that free and independent media is a prerequisite for a vibrant democracy. Yet you are silent on this issue because your bread and butter is dependent on your job. You cannot offend your boss after all. However one day the limit is breached when your boss, the CEO calls you and directs you to stage a false sting operation against the opposition party's leader, you are also given monetary inducements to follow his instructions. When you oppose he tells you to do the job or quit the company.
What options do you have under the circumstances? Which one will you follow? Why?
[(CO3& CO4) (Evaluate/HOCQ)]

(4 + 4 + 4) = 12

Group - C

4. Write short notes on the following:
(i) Whistleblowing
(ii) Kohlberg's Theory of Moral Development. (CO3/Remember/LOCQ) (6 + 6) = 12
5. (a) Write a note on the importance of Professional Ethics in a workplace. (CO4& CO2/ Analyse/IOCQ)
(b) List at least two Professional Code of Ethics which you should follow as an engineer. (CO4 & CO2/Analyse/IOCQ) 6 + 6 = 12

Group - D

6. (a) From the Wuhan laboratory into our lives, what teaching according to you did the COVID virus draws on responsible handling of Science and Technology? Use examples to substantiate the impact on humankind. [(CO4& CO3) (Evaluate/HOCQ)]
(b) Explain the concept of Technology Transfer, types and its possible barriers. Use examples as required. [(CO3) (Remember/LOCQ)] 6 + 6 = 12
7. Discuss the main features of the Industrial revolution 4.0. Explain the advantages and disadvantages of the changes brought in as a result of the industrial revolution 4.0. (CO1& CO4/Analyse/LOCQ) (6 + 6) = 12

Group - E

8. Explain the concept of ecological ethics with the help of suitable examples. (CO5 & CO6/Understand/LOCQ) 12
9. What is Global Warming? Please provide at least two relevant examples to show the adverse effects of global warming in our country. (CO5&CO6/Understand/LOCQ) (4 + 8) = 12

Cognition Level	LOCQ	IOCQ	HOCQ
Percentage distribution	56.25%	25%	18.75%

Course Outcome (CO):

After the completion of the course students will:

1. Be aware of the value system and the importance of following such values at workplace
2. Learn to apply ethical theories in the decision making process

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3. Follow the ethical code of conduct as formulated by institutions and organizations
4. Implement the principles governing work ethics
5. Develop strategies to implement the principles of sustainable model of development
6. Implement ecological ethics wherever relevant and also develop eco-friendly technology

*LOCQ: Lower Order Cognitive Question; IOCQ: Intermediate Order Cognitive Question;
HOCQ: Higher Order Cognitive Question

Department & Section	Submission Link
BACKLOG	<u>Classroom joining link</u> https://classroom.google.com/c/NDA1NjIwMTQ1NjA4?cjc=d6tmk25
	<u>Answer script submission Link</u> https://classroom.google.com/c/NDA1NjIwMTQ1NjA4/a/NDc1MTU1NzgxMzgw/details