

**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) Identify, which one among the mentioned is not an SD goal listed by UNDP to be attained by 2030?
(a) Poverty (b) Reduce Inequality
(c) Gender Equality (d) Smart Cities & AI
- (ii) Choose the false statement
(a) Our 'ego' helps us to control our 'id'.
(b) The concept of justice is implemented in a society with the help of laws and their interpretation by the judiciary.
(c) Setting up of Ethics committee in an organization is an example of good organizational values.
(d) Value crisis in a society means all people are corrupt.
- (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) Mr. Akash Agarwal is a civil Engineer and the bridge designed by him starts showing flaws after two years of operation. Mr. Agarwal's action is a violation of
(a) Individual values
(b) Professional Ethics
(c) Both Professional Ethics and Individual values
(d) Value crisis
- (v) A story narrates the hero to be aggressive against small powerful and corrupt rich community who tormented the poor. The hero loots the wealth of the rich to settle the suffering of many poor people of the land. Which of the ethical theories best justifies the hero's action?
(a) Egoism (b) Hedonism (c) Utilitarianism (d) Contractarianism

- (vi) 'Self' is the product of individual's interaction with the world and is inclusive of 'self-image' and 'self-awareness. This analysis can be traced with which theorist among the mentioned:
(a) Cooley (b) Mead (c) Freud (d) Piaget
- (vii) The last SDG adopted by the UNDP talks about partnership in goals. It means
(a) All countries should form a committee and then decide what to do.
(b) There should be cooperation among countries.
(c) All countries should work in partnership to achieve the other sustainable development goals.
(d) Developed countries should help other countries in achieving sustainable development goals.
- (viii) Whistle blowing
(a) Means to go against the company where one is working
(b) Means to sacrifice loyalty towards my employer and benefit the society
(c) Is unethical
(d) Is done for personal satisfaction.
- (ix) Upcycling and recycling of products is a strategy towards implementing sustainable development
(a) Yes
(b) No
- (x) An organisation supports community development programmes for welfare of society and allocates fund for the above from its profit percentage. This generous act is a legal mandate and known as _____.
(a) Organisational values (b) Corporate Social Responsibility
(c) Corporate Citizenship (d) Social Welfare

Group- B

2. Write short notes on the following
(i) Individual level value crisis in times of Covid. [(CO1&CO2) (Remember/LOCQ)]
(ii) Cooley's Looking Glass Self Image and influencing social media.
(CO1&CO2)(Understand/LOCQ)]
- (6 + 6) = 12**
3. **Case Study:** Oxygen Cylinder Scam. New Delhi, Nov 2021. Delhi police busted a 9 member gang alleged to cheat people on the pretext of selling oxygen cylinders during second Covid wave amassing Rs.1.5 crore over the year. Hailing from Bihar and West Bengal, the organised activity of the gang worked in 6 stages: the primary mastermind would handle social media (to lure needy patient party through spurious contact details). The next stage, 'tele-callers' posed as vendors would cheat people, followed with 'account handlers' who would circulate the cheated money receiving help from account 'providers'. These account 'providers' procure bank details from rural areas (unsuspecting rural people sharing details for a small commission/ share), availing details to 'handlers', and finally fraudulent SIM card providers buying fake SIMs,

creating forged IDs would complete the process. As per Police records the mastermind is a Ph.D. student and one of his accomplices happens to have an MCA degree.

- (i) Education and technological competence is supposed to raise consciousness and accountability. How would you relate Freud's concept of Id, Ego and Superego to the above case? [(CO1) (Evaluate/HOCQ)]
- (ii) In the above case the gang members were driven by specific needs towards their deed. Apply Maslow's theory to analyse those needs you think can be correlated to the offenders in the case. [(CO1 & CO2) (Analyze/IOCQ)]

(6 + 6) = 12

Group - C

4. Your company unable to bear the high cost of production has violated the protocols in maintaining consistent product quality to upgrade on profit margins. As the junior production engineer you are aware of the breach, at the same time feel the pressing need for a salary hike that only rising company sales may send your way and so decide not to act.
 - (i) How do you think the above case is a conflict of professional ethics? Explain in detail. [(CO3) (Understand/LOCQ)]
 - (ii) Do you approve the action of the production engineer in this case? Suggest a possible course of action by the engineer which you think is ethically correct and also does not sacrifice the interest of the engineer. [(CO2) (Analyze/IOCQ)]

(5 + 7) = 12

5. **Case Study:** Panalpina Bribe Scandal. Panalpina World Transport (US subsidiary) is a global freight company alleged to have paid millions in bribe to foreign government officials on behalf of oil industry customers (oil companies who were customer to Panalpina) to negotiate with countries like India, Brazil, Mexico, Angola, Nigeria. Reasons stated include evade local rules for import regulations, gain preferential treatment in goods & equipment importing, obtain lower tax estimates, extend drilling contracts with false paperwork for offshore drilling rigs. Panalpina would use the payments by (industry) customers to pay bribes and then submit false invoice for reimbursement under misleading terms 'local processing', 'special handling' and thus make company records have legitimate charges. This 'culture of corruption' was found widespread in the company and treated as 'business as usual'.

- (i) As an employee with Panalpina how would you justify your professional code of conduct? [(3) (Understand/LOCQ)]
- (ii) If Whistleblowing was an option, would you consider it? Why or why not? [(CO3) (Analyze/IOCQ)]

(6 + 6) = 12

Group - D

6. (a) Decent work and Economic growth is a sustainable goal. Presume yourself to be in a leadership role in an organization and suggest at least three actions that can

be implemented to make your workplace decent for your employee. [(CO3) (Evaluate/HOCQ)]

- (b) As an Engineer what role do you think you can play towards the achievement of the idea of 'Atma nirbhar Bharat'? [(CO4) (Evaluate/HOCQ)]

8 + 4 = 12

7. **Case Study.** Rapid Industrialization has changed human-machine interaction extensively in Industry 4.0. Now there is easy access through portable/ mobile devices, instant cloud based software support to workers, and augmented reality enabled workplace orientations. In such a changed workplace scenario where there is overdependence on technology the human factors suffer.

Answer the following question in the context of the above mentioned situation/circumstance.

Write a note on changing human-machine relation in contemporary times with respect to challenged human factors (ex: job satisfaction, occupational health safety, AI as companion replacing peer learning, pressure of performance and constant upgrading of skills, unending workload, conflicting personal-professional roles etc).

[(CO4) (Remember/LOCQ)]

12

Group - E

8. (a) Oceans contribute greatly to human life and hence a vital part of Sustainable Development Goals. Write a note on human intervention in ocean health as breach of Ecological Ethics. [(CO6) (Remember/LOCQ)]

- (b) No poverty, Zero hunger, Good health and well being are the three important sustainable development goals as accepted by the UNDP declaration to be achieved by the year 2030. Presume yourself to be the development officer working with the government of India. Suggest three implementable solutions to achieve the above goals by 2030. [(CO5) (Evaluate/HOCQ)]

6 + 6 = 12

9. **Case Study.** Antibiotics have saved millions suffering from pneumonia, tuberculosis, meningitis and other bacteria induced health problems. This time it is the Rivers' health compromised with exceeding antibiotics waste.

Scientists in Helsinki found two-third of 711 samples from 72 countries have this toxic presence. Concentration of drugs used to fight off bacterial infection in people and livestock were exceeded by many biotech and pharmaceutical companies across Asia, Europe, America and Africa. The widespread presence of antibiotics impacts wildlife and causes antimicrobial resistance.

Based on the above case study answer the following:

- (i) Under ecological ethics how would you analyse the above case as a conflict of profit versus planet scenario? [(CO5 & CO6) (Analyze/IOCQ)]

- (ii) Write a note on the impending dangers of river water pollution and suggest steps to mitigate the problem. [(CO5 & CO6) (Evaluate/HOCQ)]

[5 + (3 + 4)] = 12

Cognition Level	LOCQ	IOCQ	HOCQ
Percentage distribution	42.70%	25%	32.29%

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
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
AEIE	https://classroom.google.com/c/NDA1MjEyMDM1OTEw/a/NDc0ODI1MjU5NDM3/details
BT	https://classroom.google.com/c/NDA2MTc5OTM4NDU4/a/NDc1MTU0ODQwNTQ0/details
CSBS	https://classroom.google.com/c/NDA1NTc4ODAxMTc1/a/NDc1MDI2MjEwOTY4/details
CSE - A	https://classroom.google.com/c/NDA1NTgxMzgzODU2/a/NDY4MTY4MjA3OTgz/details
CSE - B	https://classroom.google.com/c/NDA5NjE4NjY4MzEx/a/NDc1MTU0ODQwMzA3/details
CSE - C	https://classroom.google.com/c/NDA1MjE0MTQ4ODY0/a/NDc0ODI1MjU5NDA3/details
ECE - A	https://classroom.google.com/c/NDI4NzIxMTUzMjUx/a/NDc1MTUzMjI1NDc5/details
ECE - B	https://classroom.google.com/c/NDA1MjEyMDM1OTQ2/a/NDc0ODI1MjU5NDEw/details
ECE - C	https://classroom.google.com/c/NDA1NjIwMTQ1NjA4/a/NDc1MTU0ODQwODE2/details
EE	https://classroom.google.com/c/NDA1MjE0MTQ4OTA3/a/NDc0ODI0OTY1ODMw/details
IT	https://classroom.google.com/c/NDA1NTc3MDY5NTE0/a/NDc1MDI2MjEwMDc1/details
ME - A	https://classroom.google.com/c/NDA1MjE0MTQ4OTMx/a/NDc0ODI1MjU5Mzk3/details
ME - B	https://classroom.google.com/c/NDA1NTgxMzgzOTkx/a/NDY4MTY1OTg4MDUz/details