HUMAN VALUES AND PROFESSIONAL ETHICS
(HMTS 2001)

Time Allotted : 2½ hrs   **Full Marks : 60**

Figures out of the right margin indicate full marks.

Candidates are required to answer Group A and
<u>any 4 (four)</u> from Group B to E, taking <u>one</u> from each group.

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

Group – A

1. Answer any twelve: **12 × 1 = 12**

    Choose the correct alternative for the following

    (i)   Kohlberg was responsible for
    (a) Formulating the theory of justice
    (b) Improving the theory of Carol Gilligan
    (c) Developing the theory of Moral Development
    (d) Developing the concept of Justice.

    (ii)   'Our Common Future' discussed a vital environmental issue that later on came to be known as the Brundtland Report (1987), presented at a global platform. Which of the following refers to it?
    (a) Limits of Growth   (b) Sustainable Development
    (c) Eco Friendly Technology   (d) Intermediate Technology.

    (iii)   Which of the following is ethical as per standard Professional Code?
    (a) Accepting gifts from business vendors
    (b) Recommending your relative for an office position
    (c) Certifying compromised quality goods
    (d) Accepting accountability for failure and success at work, equally.

    (iv)   Which of the following is an example of a value?
    (a) Justice   (b) Happiness   (c) Security   (d) Esteem.

    (v)   Arjun likes bike racing, yet returning from a late evening party he neither speeds up the vehicle on deserted roads nor violates any traffic signals. He expressed how he only wanted to establish himself as a law-abiding citizen. Which stage of Moral Development is Arjun in?
    (a) Conventional   (b) Pre-Conventional
    (c) Post-Conventional   (d) None of (a), (b) & (c).

(vi) Aruna was studying for her last exam scheduled the next day. Though her revision was pending she suddenly felt like taking a break, and went watching a film followed by shopping (her favourite pastime). Which one of the following is influencing her decision?
(a) Superego   (b) Ego   (c) Id   (d) Dilemma.

(vii) When the elder brother repeatedly resorts to bullying his siblings for some personal advantage, it is distinctly a case of
(a) Societal value crisis   (b) Individual value crisis
(c) Cultural value crisis   (d) Intellectual value crisis.

(viii) Sustainable development can be thought of in terms of three spheres i.e.
(a) environment, economy and society   (b) environment, economy and equity
(c) environment, ecology and society   (d) environment, economy and ecology.

(ix) Rahul's team leader made a fraudulent report to get the client company invest generously in the new project. It is Rahul's dream project but as a junior reporting to higher authorities about the team leader's violation makes him unable to decide whether he should report at all. Which among the following states condition of Rahul the best?
(a) Moral dilemma   (b) Sense of work ethics
(c) Feeling ethics of care   (d) Being honest and realistic.

(x) Binny (7 years) has always been guided to understand her fault in a situation and encouraged to correct herself. Her parents' attitude made Binny analyse situations and behave accordingly. Which developmental stage is she going through?
(a) Play   (b) Imitation   (c) Game   (d) All of (a), (b) & (c).

Fill in the blanks with the correct word

(xi) According to Herbert Mead _____ is the outcome of an individual's interaction with the world.

(xii) Democracy is a _____ value.

(xiii) Appropriate Technology movement was propounded by _____.

(xiv) Sustainable Development Goals discusses a total of _____ number of goals.

(xv) According to Maslow, _____ need is driven by necessity to acquire knowledge.

Group - B

2. (a) Write short notes on <u>any one</u> of the following.
   (i) Analyse how values impact social life.   *[(CO1)(Analyse/HOCQ)]*
   (ii) Discuss how some individuals are controlled by their Id and have sacrificed their Superego. Use examples to explain.   *[(CO1)(Analyse/HOCQ)]*
   (iii) Following Hierarchy of Needs theory, how your Engineering degree will be fulfilling your needs.   *[(CO1)(Analyse/HOCQ)]*
(b) Expand your views on Cultural Level value crisis, and substantiate with suitable examples.   *[(CO3)(Evaluate/IOCQ)]*

6 + 6 = 12

3. <u>Case Study: Deadly Pool-cars</u>

Journey to school and back home is a daily affair for most kids in city and suburbs. Is ensuring safety of the child commuting to school only a parents' concern?

Accelerating speed at perilous levels, reckless driving, physical abuse, kidnapping, sub-standard maintenance of vehicles, inexperienced drivers ferrying beyond safe capacity, charging heavily for the service; the pool cars with their pick-and-drop facility have turned nightmarish for both parents and their school kids.

The frequencies of these incidents are claiming innocent lives every now and then. Lack of proper regulations and unawareness about safety regulations is just one problem. Pool car operators and drivers often do not follow laws in an attempt to maximise profits. This ultimately culminates in serious accidents causing harm to young individuals.

Answer the following with reference to the above case study:
(i) Which level of value-crisis do you correlate with the above case and why?
[(CO1&CO4)(Evaluate/HOCQ)]
(ii) If you are given the authority to frame regulations to reduce the above mentioned occurrences in the case, what would they be? Provide at least three regulations.
[(CO1&CO4)(Evaluate/HOCQ)]
(6 + 6) = 12

Group - C

4. Write short notes on <u>any two</u> from the following:
(i) Moral Dilemma *[(CO2)(Understand/LOCQ)]*
(ii) Whistleblowing *[(CO3)(Analyse/IOCQ)]*
(iii) Code of Professional Ethics *[(CO3)(Remember/LOCQ)]*
(iv) Ethics of Duty. *[(CO2)(Understand/LOCQ)]*
(6 + 6) = 12

5. (a) As an Engineer discuss three Professional Code of Ethics that you should follow at your workplace. *[(CO3)(Remember/LOCQ)]*
(b) Explain the difference between Consequential and Non-consequential Ethics.
[(CO2,CO3)(Remember/LOCQ)]
6 + 6 = 12

Group - D

6. (a) As an engineer working at the site, you have identified possible accidental situations creating likelihood of damaging property and human life. Explain the need for safety precautions in your field of engineering and list three safety rules to implement accordingly. *[(CO4)(Analyse/IOCQ)]*
(b) In next few years collaborative robots would share your workspace and offices, they can become new colleagues and even boss. List any three skills and explain how you should prepare to match within a harmonious human-machine interaction. *[(CO5)(Analyse/IOCQ)]*
6 + 6 = 12

7. 'Energy Crisis' is a much used phrase used in the global context. Explain briefly the meaning of this phrase. Provide at least two examples of communities/countries where programmes have been implemented to mitigate this crisis. *[(CO5)(Apply/IOCQ)]*

(5 + 7) = 12

Group - E

8. (a) Explain the concept of sustainable development with the help of the an example. *[(CO5,CO6)(Apply/IOCQ)]*

(b) 'Vocal for Local' is a strategy for sustainable development. Express your views on the above statement. *[(CO5,06)(Analyse/HOCQ)]*

6 + 6 = 12

9. Amazon rainforests, considered the lungs of the world, are approaching critical tipping point causing 'environmental degradation'. Study finds tree felling, modified land use by human activities is damaging, weakening and under mining ability of the forest to store its carbon supporting nature. Up to 38% (2.5 million sq. km) land is already lost by human activity and drought (Journal of Science, University of Campinas, Brazil and Lancaster University, UK, Jan 2023). The identified four main drivers of damage are: forest fires, habitat fragmentation along edges where deforested areas meet forest, logging and extreme drought.

The report found that degradation emits amounts of carbon pollution equivalent to or even greater than those from deforestation. An appeal is for global action to combat climate change to help reduce the impact of extreme droughts.

(i) Define Ecological Ethics and state its significance in contemporary times. *[(CO6)(Remember/LOCQ)]*

(ii) With reference to the given case, suggest four steps on how to reduce human intervention and protect biodiversity? *[(CO6)(Understand/IOCQ)]*

[2 + 6 + 4] = 12

Cognition Level	LOCQ	IOCQ	HOCQ
Percentage distribution	33.25	41	25

Course Outcome (CO):

After the completion of the course students will be able to
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 organisations.
4. Implement the principles governing work ethics.
5. Develop strategies to implement the principles of sustainable model of development.
6. Implement ecological ethics whatever relevant and also develop eco-friendly technology.

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