

B.TECH/BT/CE/CHE/ EE/ME /4TH SEM/HMTS 2001/2019
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) When a father relieves his aggression by beating the child, _____ finds expression.
(a) Id (b) ego (c) superego (d) lack of emotional control
- (ii) In the words of the theorist 'Looking-Glass Self Image' deals with _____.
(a) our awareness towards ourselves
(b) explore how others perceive us
(c) our sense of beauty and aesthetics
(d) developing our self consciousness.
- (iii) Match the correct pair:
(A) Mead i. Intermediate Technology
(B) Maslow ii. Pre-conventional, Conventional, Post-conventional
(C) Kohlberg iii. Play, Game, Imitation
(D) Schumacher iv. Love & belongingness, Safety & security, Ego & esteem
(a) A.i, B.ii, C.iii, D.iv (b) A.iii, B.iv, C.ii, D.i
(c) A.iv, B.iii, C.i, D.ii (d) A.ii, B.i, C.iv, D.iii.
- (iv) Find the correct order of 'needs' from base of the pyramid to the apex as presented by Maslow while explaining 'Need-Priority' Theory:
(a) Safety, Physiological, Self-Actualization, Social, Ego & Esteem Needs
(b) Social, Self Actualization, Safety and Security, Physiological, Ego & Esteem Needs
(c) Physiological, Safety and Security, Social, Ego & Esteem Needs, Self Actualization
(d) Physiological, Safety and Security, Ego & Esteem Needs, Social, Self Actualization.
- (v) The phenomenal change of post-industrial society, marked by diffusion in global capital and imbalance in international trade was predicted by _____.
(a) John Diebold (b) George Ritzer
(c) Daniel Bell (d) Henry Ford

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- (vi) Pollution, Population, Industrial output, Natural Resources, Food output are parameters related to the concept of _____.
(a) Club of Rome (b) Appropriate Technology
(c) Sustainable Development (d) Energy crisis.
- (vii) A series of machines taking up the entire manufacturing process in a factory, from raw state to finished product, is specifically known as
(a) automation (b) assembly line
(c) mass production (d) industrialization.
- (viii) Katrina, Irma, Isabel, Harvey, Sandy--- are some of the world famous _____.
(a) Volcanoes (b) Hurricanes
(c) Earthquakes (d) Wildfires.
- (ix) The concept of 'Categorical Imperative' is related to _____.
(a) George Mead (b) Immanuel Kant
(c) Daniel Bell (d) Edwin Mansfield.
- (x) Stockholm Intergovernmental Conference on Human Environment was held in year _____ and relates to _____.
(a) 1992, climate change
(b) 1972, sustainable development
(c) 1987, brundtland report
(d) 1987, alternative energy.

Group – B

2. (a) Explain George Mead's concept of 'Self towards, understanding the development of an individual's integrated personality.
(b) Mention the different types of values and explain in detail with example any one type of value.

6 + 6 = 12

3. Case Study: Human Trafficking

India Today. Sept.8th 2018. A case of human trafficking has been registered by Palghar police against Mohammad Saidul Shaikh (38) from Manpada in Dombivali area of Thane district (Maharashtra).

Saidul Shaikh from Thane has been arrested for trafficking over 500 girls from Bangladesh and pushing them into flesh trade in Mumbai. Most of the girls were also found with valid documents like Aadhaar cards. The crime branch is also investigating how these documents were made without the victims being Indian residents.

According to police, there are at least seven cases against Shaikh, who would receive about Rs.4000-5000/- as commission for selling a girl. The girls were usually lured with a promising job or an enticing love affair between them and Shaikh's agents back in Bangladesh, that would work as a trick to bring the girls (even minor girls), near the international border (India –Bangladesh). Trafficking of minor girls fetched Rs.1 lakh from customers. The police busted the racket after leads from four minor girls rescued from the flesh trade recounted their ordeal giving a statement named Shaikh.

Answer the following questions:

- (a) Which level of value crisis is discussed through the above case? Explain the same.
- (b) How do you think both individual and society are responsible for causing instances similar to the above case?
- (c) Suggest possible ways to curb the above problem from society.

4 + 4 + 4 = 12

Group – C

4. (a) 'Practice of work ethics can ensure good quality of life at work'. Substantiate this statement with suitable examples.

- (b) Mention any four code of ethics that is applicable in case of engineers.

6 + 6 = 12

5. January, 2018, Kolkata

Two and half year old Oyetri Dey was admitted to AMRI Hospital Mukundapur on 15 January 2018 with a normal complaint of fever, cold and coughs. The Dey family's regular pediatrician was not there on that particular day. So her parents chose to go to another pediatric, Dr Joyeeta Sengupta to take a look at her. They were told that she has a normal tonsil gland infection due to which she was getting whooping cough. She needed to be nebulised in the hospital, with oxygen and it was urgent. They also needed to run some tests on her, they said.

Oyetri Dey was admitted to AMRI Hospital in Mukundapur, Kolkata on 15 January 2018, with complaints of fever, cough and cold.

Like all mothers, her mother did not want to refuse the doctor's orders. At the time of her admission, she didn't even have fever. She had a normal cough. She was being nebulised at regular intervals.

In between one of her nebulising sessions, the parents were told by the doctor that the medicine being administered to her was a "rare" medicine, and must be "used fully". Her parents asked her what they meant by "rare" medicine. However, all they were told was that it would help her get rid of her whooping cough. This was followed by intravenous (IV) channel on her, which was weird because she was not on any kind of saline drip.

They gave her series of other medicines without testing the allergy levels. The next morning Oyetri was given another injection which made her feel restless and breathless ultimately leading her death due to asphyxiation with the lack of availability of oxygen mask. This was clearly a case of medical negligence and know-how. The parents have lodged complaint against the hospital authority because of their negligence and still following up sessions of discussions and visits to the West Bengal Clinical Establishment Regulatory Commission, with still no concrete results whatsoever.

- (a) Mention the codes of ethics breached in the above case.
- (b) Although this is a case of medical negligence try to analyze the case as a violation of individual duty ethics.
- (c) "Crisis in individual values and organizational values can lead to ethical misconduct" –Comment.

4 + 4 + 4 = 12

Group – D

6. (a) Differentiate between Kohlberg and Gilligan theory of moral development.
- (b) What are the risks of a whistle blower?
List two policies that will ensure that there are no whistle blowers in an organization.

6 + (2 + 4) = 12

7. Case Study: Industrial Product and Safety

The Hindu. Sept 29th 2018. The managing director of a Gaziabad-based pharmaceutical company has been arrested for allegedly manufacturing spurious polio vaccines.

S.P. Garg, Managing Director of Bio-Med Private Ltd, was arrested following the complaint filed by the Central Drugs Standard Control Organization (CDSCO), the police said. A prohibited antigen was found in the polio vaccines supplied by the company under the Union Health Ministry's Universal Immunisation Programme, the complaint read.

A CDSCO official said samples of oral polio vaccine manufactured by the firm were collected from Mirzapur and Ghazipur districts between Sept. 12 and Sept. 14 over complaints of adulteration. The samples were sent to the Central Drugs Laboratory for testing. The report, received on Sept 26, stated that the vaccines were adulterated and 'not of standard quality' due to the presence of Type II polio virus. After WHO announced that polio caused by Type II virus has been completely eradicated from the world, the Health Ministry on Dec 18, 2015, decided that no pharmaceutical unit will manufacture any vaccine having that strain, the official added. On Sept. 28, 2016, Bio-Med promised to comply with the order. But the vaccines manufactured in March 2018 still contained the strain. Mr. Garg and four other directors of the firm were booked under several sections of the Drugs and Cosmetics Act.

Answer the following questions:

- (a) In the backdrop of the above case state how violation of safety laws could prove fatal for the mass consumers?
- (b) What is the importance of Testing as a technique of ensuring product safety in the above case?

6 + 6 = 12

Group – E

8. (a) Give an example of sustainable development which you can adopt as an individual in your vicinity.
- (b) Depletion of natural resources is a problem which is staring at our face. As a professional, suggest some solutions to minimise this rate of depletion so that the future generations can use these resources.

6 + 6 = 12

9. Laxmi is an engineer at Glow Company located in busy metropolitan areas. She prefers to live in a smaller town 40km away and used to commute daily from her hometown Pudur, which has population of 10000 people. Pudur has an active citizen group and Laxmi is a member of Environmental Committee. In the previous year, the committee successfully spearheaded to relocate the forest area for commercial purposes. Although commercial development will enhance the economy, the committee convinced the Panchayat that the economic progress should not come at the expense of the environment.

She came to know that the Glow Co. wanted to buy and locate a facility in the Pudur area. The glow Co. has planned to approach the Pudur Panchayat, for annexing some of the forest area of this town. The company promises to carefully monitor and control emissions in the surroundings, using modern technology, and need only about 30% of the forest area. The company also promised to contribute funds for the preservation of the rest of the 70% area. It showed that the tax base for the Panchayat, job opportunities and local economy would improve.

John, the chief engineer of Laxmi's department wants Laxmi to talk to the Panchayat of Pudur. She is asked if she knows anyone in the Panchayat to talk on this project proposal. She says that she does not know anybody well enough to talk to them. But John comes to know from his old friend who moved away from Pudur in the previous year, that Laxmi is a member in the environment committee and prevented the Panchayat's move to lease for the commercial complex in the same area last year. She is asked to 'keep cool' on their proposal.

A month later, the environment committee meets and the chair announces the move of the Glow Co. and seeks the member support against the move.

- (a) What should Laxmi do in this situation?
- (b) What do you think would be the ecological effect for the sale of the forest area to the company?
- (c) Do you think that there is an ethical dilemma in Laxmi? What is your opinion on her judgment?

3 + 3 + 6 = 12