

**CS/B.TECH/(EE/CSE/ECE/EIE/EEE/ICE/BME/CT/TT/  
APM)/SEM-8/HU-801/2013**

**2013**

**VALUES & ETHICS IN PROFESSION**

*Time Allotted : 3*

Hours Full Marks : 70

*The figures in the margin indicate full marks.*

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

**GROUP – A**

**( Multiple Choice Type Questions )**

1. Choose the correct alternatives for any *ten* of the following :

10X1 = 10

- i) Bio-ethics is the field of
- a) Normative ethics
  - b) Applied ethics
  - c) Metaethic
  - d) None of these.
- ii) The famous Silver Bridge Disaster is dated to
- a) December 15, 1967
  - b) December 27, 1884
  - c) August 26, 1927
  - d) August 26, 1976.
- iii) 'APCTT' stands for
- a) Asian and Pacific Centre for Transfer of Technology
  - b) American Planning Center for Transfer of Technology
  - c) American Planning Center for Technology Transfer
  - d) Asian and Pacific Centre for Technology Transfer.

- iv) The authors of Limits to Growth are
- a) Donella H. Meadows, Dennis L. Meadows, Jorgen Randers, William W. Behrens III
  - b) Aurelio Peccei and Alexander King
  - c) Aurelio Peccei and Alexander King, Dr. Ashok Khosla and Dr. Eberhard von Koerber
  - d) Dr. Ashok Khosla and Dr. Eberhard von Koerber.
- v) Roboethics deals with
- a) the behaviour of humans, how humans design, construct, use and treat robots and other artificially intelligent beings
  - b) with the behaviour of artificial moral agents ( AMAs )
  - c) some cultural values and social conventions of Robots
  - d) Anthropomorphization of the machines.
- vi) The Environment Protection Act was introduced in
- a) 1986
  - b) 1989
  - c) 1996
  - d) 1990.
- vii) According to Indian Constitution, India is
- a) Capitalist, non-secular, sovereign country
  - b) Socialist, secular, sovereign, democratic, republic country
  - c) Non-socialist, non-republic, secular country
  - d) None of these.
- viii) The first and foremost professional ethics is
- a) to strive for excellence
  - b) to take due care to the environment
  - c) to serve the needy and poor of the society
  - d) none of these.
- ix) Eco-friendly technologies include in production of chemical
- a) using CFC

- b) using petroleum fraction
  - c) using natural gas
  - d) none of these.
- x) Which of the following should be treated as terminal value ?
- a) Obedience
  - b) Peace and harmony
  - c) Truthfulness
  - d) None of these.
- xi) Three ideals of human life are
- a) truth, beauty and good
  - b) lie, ugly and bad
  - c) lie, beauty and good
  - d) truth, ugly and good.
- xii) The major green house gases are
- a) carbon dioxide, methane etc.
  - b) oxygen, nitrogen etc.
  - c) water vapour, nitrogen dioxide, sulphur dioxide etc.
  - d) none of these.

**GROUP – B**

**( Short Answer Type Questions )**

Answer any *three* of the following.

3X 5 = 15

- |  |       |
|--|-------|
| <p>2. Discuss briefly about the importance of technology transfer in a developing economy ? Explain appropriate technology in such application ?</p> | 3 + 2 |
| <p>3. What is the importance of man machine interface ? State how a system can be improved and can be made an work efficient one.</p>                | 2 + 3 |
| <p>4. Describe the nature of global energy crisis ? Explain trends in deterioration of oil and other energy materials ?</p>                          | 2 + 3 |
| <p>5. Describe the fundamental cannons of professional ethics ?</p>  | 2 + 3 |

How does cannons of ethics differ from code of ethics. 3 + 2

6. Discuss how our environment is contaminated with pollution and reduction of immunity due to chemicals and radiation effects.

**GROUP – C**

**( Long Answer Type Questions )**

Answer any *three* of the following.

3 X 15 = 45

7. a) What is the relationship between science, technology and ethics ? How are the economy and the prosperity of a nation influenced by its technological development ?

5 + 5

b) Explain ‘Bio-Ethics’ and ‘Information Ethics’.

5

8. a) What is ‘Value Crisis’ ? What has led to value crisis in the contemporary society ?

1 + 2

b) What are the different types of value crisis ? Give a way out and to explain what is a ‘good life’.

12

9. What do you mean by ‘Whistle Blowing’ ? How do you rate whistle blowing as an organizational practice ? Do you feel a need for legal protection of whistle blowers ? Briefly discuss a case where the whistle was not blown and the consequences of the same.

2 + 5 + 3 + 5

10. a) Critically judge E.F. Schumacher’s Idea of ‘Small is Beautiful’. Do you think Appropriate Technology will bring depletion to a lesser intensity. Give examples and explain how these can save some of the resources.

b) How does IT and computers serve society ? What may happen if the technical experts do not abide by their code of ethics ?

8 + 4 + 3

11. Write short notes on any *three* of the following :

3X 5

a) Intellectual Property Rights

b) Aesthetic values

c) Corporate Social Responsibility

d) Sustainable Development

e) Club of Rome.