

**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. $3 \times 5 = 15$

2. Discuss briefly about the importance of technology transfer in a developing economy ? Explain appropriate technology in such application ? 3 + 2
3. What is the importance of man machine interface ? State how a system can be improved and can be made an work efficient one. 2 + 3
4. Describe the nature of global energy crisis ? Explain trends

in deterioration of oil and other energy materials ?

2 + 3

5. Describe the fundamental cannons of professional ethics ?

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. 3x15 = 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'.

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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 : 3x5

a) Intellectual Property Rights

b) Aesthetic values

c) Corporate Social Responsibility

d) Sustainable Development

e) Club of Rome.

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