	Utech
Name:	(4)
Roll No. :	To Dean U. Samuel of the Content
Invigilator's Signature :	

# 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:

 $10 \times 1 = 10$ 

- i) Bio-ethics is the field of
  - a) Normative ethics
  - b) Applied ethics
  - c) Metaethic
  - d) None of these.

8002 [ Turn over



- 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.

8002



- 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.

8002 4

- 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

- 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.  $3 \times 15 = 45$ 

- 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'.

8002

- 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
- 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 :  $3 \times 5$ 
  - a) Intellectual Property Rights

consequences of the same.

- b) Aesthetic values
- c) Corporate Social Responsibility
- d) Sustainable Development
- e) Club of Rome.

2 + 5 + 3 + 5