

CS/B.TECH/EE/ECE/EIE/EEE/ICE/

PWE/BME/NEW/SEM-4/HU-401/2013

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 × 1 = 10

i) Who among the following is considered as the founder of the appropriate technology movement ?

- a) Michael Schumacher
- b) Ralf Schumacher
- c) Ernst Friedrich Schumacher
- d) Joseph Alois Schumpeter.

ii) The Air (Prevention and Control of Pollution) Act was introduced in the year

- a) 1980 b) 1981
- c) 1982 d) 1983.

iii) Anthropocentrism places at the centre of the universe.

- a) human being b) robots
- c) god d) sun.

iv) The development of assembly line can be attributed to

- a) Ford Motor Company

- b) Fiat Automobiles
 - c) Toyota Motor Corporation
 - d) Maruti Suzuki.
- v) The author of the book "Small Is Beautiful : A study of economics as if people mattered" is
- a) M. K. Gandhi
 - b) Ernst Friedrich Schumacher
 - c) Joseph Alois Schumpeter
 - d) Adam Smith.
- vi) The Environment (Protection) Act was introduced in the year
- a) 1984 b) 1985
 - c) 1986 d) 1987.
- vii) Which of the following is an Instrumental Value ?
- a) Satisfaction b) Peace and Harmony
 - c) Prosperity d) Truthfulness.
- viii) Whistle Blowing and beyond means
- a) disclose wrong doings of an organization
 - b) blowing the whistle when there is any problem in the industry
 - c) the aftermath of whistle blowing.
- ix) Which one of the following is environment friendly ?
- a) Atomic energy b) Coal energy
 - c) Wind energy d) Oil energy.
- x) Application of science, technology and engineering has made mankind
- a) a civilized and sociable person
 - b) uncivilised person

- c) unsociable person
- d) fall pray to foreignness.
- xi) Reports of Club of Rome relate to
 - a) subscription for club membership
 - b) give clue to sustainable development
 - c) offers airfare to go to Rome
 - d) describe the legendary conquests of Rome.
- xii) Whistle Blowing in ethics or environment refers to
 - a) some signal of crossing the limit
 - b) some indication of violating the ethics
 - c) some limits of causing pollution of environment
 - d) all of these.

GROUP – B

(Short Answer Type Questions)

Answer any three of the following. $3 \times 5 = 15$

2. Discuss the problems of Man-Machine interaction. What is the impact of assembly line and automation ?
3. In what ways can an Indian citizen use renewable resources in his/her day-to-day activities ?
4. Write a brief note on any one of the following :
 - a) Energy crisis and sustainable development
 - b) Impact of transfer of technology in India.
5. What is eco-friendly technology ? Give a brief idea.
6. What are the risks of a whistle blower ?

GROUP – C

(Long Answer Type Questions)

Answer any three of the following. $3 \times 15 = 45$

7. Human being should not bother about the caveat of 'Limits

to Growth'. Technology will take care of itself and shortage of raw materials in due course. Do you agree ?

In a technology transfer, unless values and ethics are properly observed, the desired result may not be achieved.

Do you agree ? 7 + 8

8. What do you mean by Work Ethics ? Explain the nature and objectives of Ethics. What role does it play on Organizational Effectiveness ? 2 + 6 + 7

9. How are science, technology and engineering related to the growth of economy ? Lives of thousands of people depend on Civil Engineers & architects who design & construct Airports, Railway stations, Five Star Hotels and Multi-storeyed buildings. If they are unscrupulous, what happens ? 7 + 8

10. Define the term 'Corporate Social Responsibility'. How can a company provide support to the society through proper implementation of Corporate Social Responsibility ? Give some real life examples. 2 + 8 + 5

11. a) Define Energy Crisis. Discuss the different Renewable Energy sources with example. How rapid technological growth is affecting depletion of resources ?

b) Happiness is a state of mind. Explain. 3 + 4 + 4 + 4

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