

Roll No.: .....

# *National Institute of Technology, Delhi*

Name of the Examination: B. Tech. / M. Tech. / Ph.D.

Branch : ECE/EEE

Semester : 2

Title of the Course : Human Values and Ethics

Course Code : HMB 101

Time: 2 Hours

Maximum Marks: 25

**Note :** Attempt 4 questions in total. Question 1 is compulsory.

Question 1 carries 10 marks. The rest 3 questions will be for 5 marks each.

**1) Answer the questions based on the given scenario**

**10 marks**

You are an Environmental Engineer for one of the many local plants. That plant discharges effluents into a lake in a flourishing tourist area. Although all the plants are marginally profitable, they compete for the same customers. Your responsibilities are to monitor the water and air discharges at your plant and the periodic reporting to Dept. of Anti-pollution. You have just prepared a report that indicates that the level of pollution in the Plant's water discharges slightly exceed the legal limits. Your supervisor says you should regard the excess as a mere 'technicality', and he asks you to 'adjust' the data so that the data appears to be in compliance. He says that slight excess is not going to endanger human or fish life any more than if the plant were actually in compliance. However he says, solving the problem would require a very heavy investment. He explains, "We can not afford new equipment. It might cost even a few jobs. It will set us behind our competitors. Besides, he says that many of the competitors are doing the same and the bad publicity we would get might scare off some of the tourist industry, making it worse for everybody"

- a) What are your basic responsibilities as an Environmental Engineer in this plant? How should you respond to your supervisor's requests? What are the ethical issues in this case?
- b) Consider the same scenario from the view points of the following and discuss what is ethically correct for each one of them
- (i) Plant manager of the company
  - (ii) Chief executive officer
  - (iii) Environmental Engineer of the competitors
  - (iv) Department of Anti-pollution
  - (v) Local merchants
  - (vi) Parents of children who swim in the lake
  - (vii) Those who fish in the lake (for the earnings)
- 2) What is Organization Behavior (OB)? Discuss the emerging opportunities and challenges to the OB?

- 3) Define and differentiate between morals and ethics.
- 4) Discuss the key features of any two stages of Cognitive Development given by Jean Piaget.
- 5) Define "Personality". Discuss with examples the "nurture" factors that affect one's personality.
- 6) What are the "Big-Five" Personality factors? Describe your personality using the Big-Five personality factors.
- 7) Discuss the four dimensions developed by Myers and Briggs as the personality indicators. Using the four dimensions describe your friend's personality.
- 8) Based on the fundamentals of OB describe how will you complete a project given by a teacher?