

HU-501

VALUES AND ETHICS OF PROFESSION

Time Allotted: 3 Hours

Full Marks: 70

The questions are of equal value.

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. Answer any *ten* questions. 10×1 = 10
- (i) _____ values are related to the enjoyment of beauty, application of art music, culture and literature
- (A) societal (B) material
(C) asthetic (D) spiritual
- (ii) From the following which is not a renewable energy?
- (A) wind energy (B) bio-fuels
(C) fossil fuel (D) water energy
- (iii) The acid rain is closely related
- (A) burning garbage
(B) burning of acidic substances
(C) burning of inorganic materials
(D) burning of organic materials
- (iv) Human values have been established in India from the days of
- (A) Ramayana (B) Mahabharata
(C) After the Independence (D) From time immemorial

- (v) Which is of the following is not a greenhouse gas?
(A) Nitrous oxide (B) Sulphur dioxide
(C) Carbon dioxide (D) Mono oxide
- (vi) Which is the most basic need according to Maslow's hierarchy of needs?
(A) esteem needs (B) physiological needs
(C) aesthetic needs (D) safety needs
- (vii) Rights and _____ are interrelated
(A) morals (B) ethics
(C) duties (D) responsibilities
- (viii) Indian secularism implies
(A) indifference to religion
(B) promoting one particular religion
(C) ban on religion
(D) none of these
- (ix) CSR stands for
(A) Community Social Responsibility
(B) Corporate Social Responsibility
(C) Community Social Rules
(D) Corporate Social Regulations
- (x) Ethics in business refers to
(A) profit maximization (B) certain codes of conduct
(C) specific business policies (D) certain business strategies
- (xi) The BART case in connection with whistle blowing belongs to
(A) USA, California (B) USA, New York
(C) Hawaii, Honolulu (D) India, Bay of Bengal

- (xii) A good society needs for survival of
- (A) good education
 - (B) education on values and ethics
 - (C) training on entrepreneurship development
 - (D) all of these

GROUP B
(Short Answer Type Questions)

Answer any *three* questions. 3×5 = 15

2. Why is engineering a profession? Does an engineer require any values or ethics to perform his/her job? 2+3
3. What is pollution? What are the principal causes of pollution? 1+4
4. What is whistle blowing? How should whistle blowing be handled by the employers? 2+3
5. Write a short note on sustainable development.
6. How does the term 'ethics' 'values' and 'morality' differ?

GROUP C
(Long Answer Type Questions)

Answer any *three* questions. 3×15 = 45

7. (a) Differentiate Science, Engineering and Technology. 5
- (b) Define Technology Transfer and discuss the difference steps of technology transfer and merits and demerits associated with Technology Transfer. 10

8. What is meant by limits to growth? State briefly the findings and recommendations of "Club Of Rome" on the state of world growth trend of the twentieth century. What dose "Sustainable Development" actually imply? 5+5+5
9. What is Environmental Degradation and how is Man responsible for it? What are the adverse effects of Environmental Degradation? What are Ecofriendly technologies in the context of solving the problem of environmental degradation? 5+5+5
10. a) What are the different types of values? Give examples of each type. 5
- b) Define "value spectrum of good life". Explain it with Indian value spectrum of good life. 5
- c) What is value crisis? 5
11. a) What is professional code of ethics? Discuss the steps of EIA (Environmental Impact Analysis) study. 10
- b) Write a note on the impact of rapid technological growth in the Indian context. 5