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Question Paper Code: 58701A

B.E. / B.Tech. DEGREE EXAMINATION, SEP 2020

Eighth Semester

Civil Engineering

15UME801 - PROFESSIONAL ETHICS

(Common to Mechanical , Chemical , Biomedical and Agriculture Engineering branches)

(Regulation 2015)

Duration: One hour

Maximum: 30 Marks

PART A - (6 x 1 = 6 Marks)

(Answer any Six of the following Questions)

1. A situation in which an engineer's loyalty and obligations may be compromised because of self-interests or other loyalties and obligations CO1- R
(a) Conflict of interest (b) Conceptual issue
(c) Concern of interest (d) Interaction rules
2. A moral theory that seeks to create the most good for the most people CO1- R
(a) Whistle blowing (b) Utilitarianism (c) Morals (d) Rights analysis
3. Justice deals with CO1- R
(a) Duty to keep promises (b) Duty to thank those who help us
(c) Duty to recognize (d) Duty not to injure others
4. The codes of behavior and courtesy CO1- R
(a) Etiquette (b) Law (c) Morals (d) Ethics
5. Code of Ethics by the society of CO2- R
(a) ABET & IEEE (b) IE(I) (c) ISTE (d) IWS
6. Who is the engineer responsible for the challenger shuttle disaster CO2- R
(a) Mr. Morton Thiokol (b) Mr. Boisjoly (c) Mr. Curtis (d) Mr. Mellicam
7. Provisions under human rights are CO2- R
(a) Right to theft (b) Right to Privacy (c) Right to make a living (d) Both (b) and (c)

8. Chemical which causes Bhopal Gas Tragedy CO3- R
 (a) Methyl iso cyanide (b) Sodium chlorate (c) Magnesium sulphate (d) Methane
9. Computer as the object of Unethical Act by way of CO3- R
 (a) Hacking (b) Spreading virus
 (c) Health hazard while disposing (d) All of the above
10. MNC means CO3- R
 (a) Multi-National companies (b) Mono Nano Carbon
 (c) Model Nodal companies (d) All of the above

PART – B (3 x 8 = 24 Marks)

(Answer any Three of the following Questions)

11. Briefly explain the three main levels of moral developments, developed by Kohlberg. CO1- U (8)
12. Explain the vital role of consensus and controversy while considering moral autonomy in engineering ethics. CO1- U (8)
13. Explain briefly about Engineering as Experimentation and Engineers are Responsible Experimenters. CO2- U (8)
14. Explain how should engineers act as managers, consultants, leaders. CO3- U (8)
15. Explain the ethical behaviors followed by individuals during the pandemic COVID 19 lockdown period. (8)