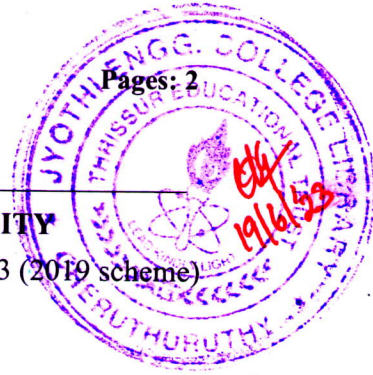


Reg No.: _____

Name: _____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

Fourth Semester B.Tech Degree Supplementary Examination June 2023 (2019 scheme)

**Course Code: HUT200****Course Name: Professional Ethics**

Max. Marks: 100

Duration: 3 Hours

PART A*Answer all questions. Each question carries 3 marks*

Marks

- | | | |
|----|---|-----|
| 1 | Describe about civic virtue and how is it related to respect for others. | (3) |
| 2 | Examine the relevance of self-confidence and factors that shape it. | (3) |
| 3 | Summarize the types of inquiries. | (3) |
| 4 | Explain in detail about the characteristics or criteria's to achieve professionalism. | (3) |
| 5 | Recall plagiarism and how it could be avoided. | (3) |
| 6 | Elucidate on the requirement of a balanced outlook on law. | (3) |
| 7 | Illustrate collegiality. | (3) |
| 8 | Conclude how moonlighting leads to conflict of interest. | (3) |
| 9 | Inspect the impact of technology transfer on different institutions/entities. | (3) |
| 10 | State the requirements for engineers who act as advisors in planning and policy making. | (3) |

PART B*Answer any one full question from each module. Each question carries 14 marks***Module 1**

- | | | |
|-----|--|-----|
| 11a | Define and explain the scope and importance of professional ethics in Engineering. | (6) |
| 11b | Elucidate the relevance of academic integrity in Engineering with examples. | (8) |

OR

- | | | |
|-----|--|-----|
| 12a | Summarize the importance of human values in this era and list out few core human values. | (6) |
| 12b | Exemplify service learning and its importance. How is it related to experimental learning? | (8) |

Module 2

- | | | |
|-----|---|-----|
| 13a | Interpret the different professional roles that engineers should adopt. | (6) |
| 13b | Describe in detail about Ethical Theory of Right Action. | (8) |

OR

- 14a Illustrate the importance of consensus and the problem of controversy, while considering moral autonomy in engineering ethics with the help of examples. (6)
- 14b Outline on moral development and the three stages of Kohlberg's theory of moral development. (8)

Module 3

- 15a Enumerate the responsibility of engineers to the society as an experimenter. (6)
- 15b Justify on engineering projects being considered as experimentations. Explain with the help of a diagram. (8)

OR

- 16a Assess how Engineering societies can promote ethics and name a few such professional organizations/societies. (6)
- 16b Recap challenger case and mention the moral solution along with the obligations of such businesses. (8)

Module 4

- 17a Describe on intellectual property rights and explain in detail the needs of protection of intellectual property. (6)
- 17b Enumerate the elements/instruments of intellectual property rights. (8)

OR

- 18a Examine the different provisions protected under professional rights. (6)
- 18b Recall the types of conflicts of interest. (8)

Module 5

- 19a Explain on computer ethics. State and describe the moral and ethical issues related to computer technology. (10)
- 19b Ascertain the causes of conflicts while cases are managed by project managers. (4)

OR

- 20a Explain the requirement of moral leadership for engineers. (4)
- 20b Define environmental ethics. Elucidate the ethical duties of engineers towards environment as experimenters by mentioning the environmental impacts of engineering activity. (10)
