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**Question Paper Code : 81523**

B.E./B.Tech. DEGREE EXAMINATIONS, NOVEMBER/DECEMBER 2025.

Seventh/Eighth Semester

Civil Engineering

**GE 3791 — HUMAN VALUES AND ETHICS**

(Common to : Aeronautical Engineering/Aerospace Engineering/  
Automobile Engineering/Biomedical Engineering/Computer Science and  
Design/Computer Science and Engineering/Computer Science and Engineering  
(Artificial Intelligence and Machine Learning) Computer Science and Engineering  
(Cyber Security)/Computer and Communication Engineering/Electrical and  
Electronics Engineering/Electronics and Communication Engineering/Electronics  
and instrumentation Engineering/Electronics and Telecommunication  
Engineering/Environmental Engineering/Geoinformatics Engineering/, Industrial  
Engineering/Industrial Engineering and Management/Instrumentation and Control  
Engineering/Manufacturing Engineering/Marine Engineering/Materials Science and  
Engineering/Mechanical Engineering/Mechanical and Automation  
Engineering/Mechatronics Engineering/Medical Electronics/Petrochemical  
Engineering/Production Engineering/Robotics and Automation/Safety and Fire  
Engineering/Agricultural Engineering/Artificial Intelligence and Data Science/  
Bio Technology/ Bio Technology and Biochemical Engineering/  
Chemical Engineering/Chemical and Electrochemical Engineering/Computer Science  
and Business Systems/Fashion Technology/Food Technology/Handloom and Textile  
Technology/Information Technology/Petrochemical Technology/  
Petroleum Engineering/Pharmaceutical Technology/Plastic Technology/  
Textile Chemistry/Textile Technology)

(Regulations 2021)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

**PART A — (10 × 2 = 20 marks)**

1. Define pluralism.
2. State the contribution of the American Independence movement to the development of democracy.
3. Differentiate between Indian and Western models of secularism.
4. Identify the actions that support fairness and equality in society.

5. What does skepticism imply in the scientific method?
6. Name the important traits of evidence-based validation.
7. Differentiate Equality and Inclusivity.
8. State the reasons why gender violence violates social ethical norms.
9. How ethics directs scientific investigations?
10. What is the meaning of transparency in the context of science?

PART B — (5 × 13 = 65 marks)

11. (a) Assess the role of Tolerance and Fraternity in resolving conflicts within a democratic setup. Give historical and contemporary illustrations.

Or

- (b) Discuss the importance of safeguarding democratic values in the present global context of rising authoritarianism.

12. (a) Evaluate the role of the state in maintaining disassociation from religion.

Or

- (b) Examine how secular values help in reducing communalism and religious intolerance in India.

13. (a) Compare and contrast the contributions of inductive and deductive methods in scientific problem-solving.

Or

- (b) Critically analyze the role of inductive and deductive reasoning in the development of scientific knowledge.

14. (a) Discuss the significance of ethical reasoning in combating gender-based and social inequalities.

Or

- (b) Analyse in detail of social discrimination requires both ethical reasoning and legal measures.

15. (a) Examine the responsibilities of scientists in ensuring ethical practices in modern society.

Or

- (b) Scientific progress without ethics can harm society – Critically evaluate.

PART C — (1 × 15 = 15 marks)

16. (a) In a diverse town called Harmonyville, people from multiple religions live together. The local government recently proposed opening a community center that hosts cultural and religious events for all communities. However, a group of citizens demanded that the center should prioritize events for their own religion. Meanwhile, the town council emphasized that the center must remain neutral and inclusive, giving equal respect to all faiths. Some students also raised concerns about discriminatory practices in local schools, where certain religious holidays were given more importance than others.

Questions :

- (i) Suggest the measures that the town can adopt to ensure inclusivity in schools and community events. (5)
- (ii) How does promoting secular values in public institutions prevent discrimination? (5)
- (iii) Why is it important for the community center to remain neutral? (5)

Or

- (b) In the town of Equalityville, a new company opened its offices. During recruitment, it was observed that male candidates were preferred for managerial positions, while female candidates were often assigned clerical work, despite having equal qualifications. A female employee, reported instances of harassment and gender-based comments by some colleagues. Additionally, several workers from minority communities complained that they were not given equal opportunities for promotions and training programs. The HR department is now reviewing policies to ensure fairness, inclusivity, and compliance with constitutional protections.

Questions :

- (i) How can ethical reasoning be applied to address the issues in this workplace? (5)
- (ii) Suggest the measure to reduce gender violence at the workplace. (5)
- (iii) Which constitutional protections are relevant in this scenario? (5)

