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**Gandhi Institute of Engineering and Technology University, Odisha, Gunupur  
(GIET UNIVERSITY)**



Ph.D. (First Semester) Examinations, December – 2025  
**23SPPCRM1030 – Research and Publication Ethics**  
(Common to all branches)

Time: 3 hrs

Maximum: 70 Marks

**The figures in the right-hand margin indicate marks.**

| <b>Answer ANY FIVE Questions.</b>   | <b>(14 x 5 = 70 Marks)</b> | <b>Marks</b> |
|---|----------------------------|--------------|
| 1.a. What is ethics? Discuss the importance of ethics in research and innovation.           |                            | 7            |
| b. Differentiate between moral philosophy and applied ethics with examples.                 |                            | 7            |
| 2.a. “Ethics is central to excellence in science.” Critically analyze this statement.       |                            | 7            |
| b. Define scientific conduct. Why is it essential in academic and professional research?    |                            | 7            |
| 3.a. Explain the difference between authorship and contributor ship in publications.        |                            | 7            |
| b. Discuss unethical practices in determining the order of authorship in research papers.   |                            | 7            |
| 4.a. What are predatory journals? Suggest strategies to avoid publishing in them.           |                            | 7            |
| b. Define publication misconduct. What are its types?                                       |                            | 7            |
| 5.a. Explain plagiarism. What measures can institutions adopt to minimize it?               |                            | 7            |
| b. Discuss the ethical issues in duplicate publication and salami slicing of research data. |                            | 7            |
| 6.a. How does indexing in reputed databases affect the credibility of a journal?            |                            | 7            |
| b. Differentiate between h-index, g-index, and i10-index with practical illustrations       |                            | 7            |
| 7.a. How do plagiarism detection tools (e.g., Turnitin, Urkund) support ethical publishing? |                            | 14           |
| 8.a. Explain the importance of indexing databases in research visibility.                   |                            | 7            |
| b. What is the Impact Factor? Explain its calculation with an example.                      |                            | 7            |

---End of Paper---