

Atal Bihari Vajpayee Indian Institute of Information Technology & Management, Gwalior

ENXXX: Art of Engineering Research

Minor Examination (Session 2024–25)

Maximum Time: 1.5 Hours

Max Marks: 25

Note: Attempt all questions. Clear, well-structured answers will be valued.

1. Define research gap. How can identifying research gaps improve the quality of engineering studies? (5 Marks)
2. What is the importance of research objectives? Give examples of good and bad objectives. (5 Marks)
3. Explain primary vs. secondary data in engineering research. Provide examples. (5 Marks)
4. What is the role of hypothesis testing in research? Explain with an example. (5 Marks)
5. Write short notes on: (a) Importance of research communication (b) Plagiarism detection tools (5 Marks)