



विश्वजीवनामृतं ज्ञानम्

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

IT304: Trustworthy Artificial Intelligence

Minor Examination (Session 2023–24)

Maximum Time: 1.5 Hours

Max Marks: 25

Note: Attempt all questions. Use relevant examples wherever required.

1. Define trustworthy AI. Explain its importance in modern applications. (5 Marks)
2. Explain fairness in AI models. Differentiate between group fairness and individual fairness. (5 Marks)
3. What is interpretability in AI? Discuss two methods to improve model interpretability. (5 Marks)
4. Explain the concept of data bias. Give two real-world examples. (5 Marks)
5. Write short notes on: (a) Accountability in AI systems (b) Transparency in machine learning models (5 Marks)