

2025

B.Lib.I.Sc. 1st Semester Examination

**BACHELOR OF LIBRARY AND
INFORMATION SCIENCE**

Paper : BLIO411VC

(Primer to AI)

Full Marks : 50

Time : Two Hours

*The figures in the margin indicate full marks.
Candidates are required to give their answers
in their own words as far as practicable.*

Group - A

Answer any *four* questions : 5×4=20

1. Explain the concept of Deep Learning with its key characteristics.
2. What is chatbot? How LLM-powered chatbots work?
2+3
3. Write a short note on LLM and Diffusion Models.
2½+2½
4. Briefly discuss the three pillars of AI responsibilities.
5. Explain the differences between Information Literacy and AI Literacy.

P.T.O.

(2)

6. Describe the differences between keyword search and semantic search techniques with suitable examples.

Group - B

Answer any *two* questions : $10 \times 2 = 20$

7. What is Artificial Intelligence? Trace the historical development of AI. Discuss the types of AI. $2+4+4$
8. What is Machine Learning? Discuss the types of Machine Learning. Explain the need for Machine Learning in libraries. $2+4+4$
9. What do you mean by library data? Discuss AI application across different types of library data, with special reference to usage data for understanding patron behavior. $4+6$
10. Explain the concept of prompt engineering in brief. Discuss the various types of prompts used in prompt engineering with suitable examples. $4+6$

Internal Assessment : 10 marks
