

2025

FUNDAMENTALS OF INFORMATION SYSTEMS (e-B1) — MINOR

Paper : MN-3

Full Marks : 75

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

1. Answer **any five** questions :

2×5

- (a) Define Knowledge Management System.
- (b) What is meant by end-user computing?
- (c) State two uses of Information Systems in business organizations.
- (d) What is AIS? State its importance.
- (e) What is HRMS?
- (f) State any two challenges in implementing Enterprise Systems.
- (g) Name any two important modules of ERP.
- (h) What is meant by hexadecimal number system?

Group - B

2. Answer **any five** questions :

5×5

- (a) Draw a flowchart to find the factorial of a number.
- (b) A college provides fee concession to students based on three conditions : the student's family annual income, social category and academic performance. The first condition is whether the family income is below ₹ 2,00,000 per year. The second condition is whether the student belongs to the SC / ST category. The third condition is whether the student has secured 60% or more marks in the previous examination. Based on these conditions, the college follows specific rules to decide the type of concession. A student is granted full fee concession when all three conditions are satisfied. A student is granted partial fee concession when the income is below ₹ 2,00,000 and any one of the other two conditions is satisfied, but not all three together. A student is given no fee concession when the income is ₹ 2,00,000 or above, or when the income is below ₹ 2,00,000 but neither the category condition nor the marks condition is fulfilled. Using these clearly defined rules, prepare a decision table to systematically decide whether a student should receive full concession, partial concession, or no concession.
- (c) Discuss the role of Information Systems in Supply Chain Management.
- (d) Distinguish between Operational CRM and Analytical CRM.

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- (e) Explain the role of Information Systems in Human Resource Management.
- (f) Discuss the basic idea of Machine Learning and its role in knowledge systems.
- (g) Briefly explain the concept of Knowledge Expert Systems.
- (h) Discuss the Knowledge Value Chain in detail.

Group - C

Answer *any four* questions.

10×4

3. Explain optical fibre cable with its characteristics and advantages over other media.
 4. Briefly explain the role of Wi-Fi technology in modern networking.
 5. Discuss the selection criteria for transmission media in networking, in brief.
 6. Briefly discuss the concept of Group Decision Support System along with its applications.
 7. Discuss the major approaches to Information System development.
 8. Explain the complete process of getting an Internet connection and the services provided by an ISP.
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