

Exam. Code: 0313  
Sub. Code: 25390

2125

M.Com. (E. & F.B.) Third Semester

FB-305: IT Applications and Operations Research in Family Business Management

Time allowed: 3 Hours

Max. Marks: 80

*NOTE: Attempt five questions in all, selecting atleast two questions from each Unit. All questions carry equal marks.*

x-x-x

### Unit I

- Q1. Explain the role of personal computers in managerial decision-making with practical examples.
- Q2. How are computers used in financial systems, inventory systems, and HRM? Discuss their importance in entrepreneurship.
- Q3. Define Management Information System (MIS). How does MIS help managers in planning and control?
- Q4. What is system analysis and design? Why is it important for developing computer-based management applications?
- Q5. Discuss the relationship between computer-based decisional techniques and operations research in managerial problem-solving.

### Unit II

- Q6. What are the assumptions and limitations of Linear Programming (LP)? How does LP support managerial decision-making?
- Q7. Solve a transportation problem to minimize cost and explain its application in supply chain management.
- Q8. Differentiate between PERT and CPM. Which is more suitable for uncertain project environments and why?
- Q9. Explain the concepts of EST, EFT, LST, LFT, and floats with the help of a project network diagram.
- Q10. Discuss the application of assignment models in business decision-making, particularly in resource allocation.

x-x-x