

School of Business

Department of Business
Mid Term Examination

Exam Date: 06 Oct 2023
Time : 90 Minutes
Marks : 50

Sem IX - MBBA6007 - Decision Modelling with Spreadsheets

*Your answer should be specific to the question asked
Draw neat labeled diagrams wherever necessary*

- 1) How does data visualization help in understanding complex datasets for decision-making? K2 (2)
- 2) Why is ethical decision-making important? K1 (3)
- 3) Explain the concept of objective functions and constraints in simulation optimization and their role in finding optimal solutions. K2 (4)
- 4) Explain the concept of linear programming and its primary objective in optimization problems. K2 (6)
- 5) How can decision analysis with spreadsheets be utilized to optimize resources and maximize outcomes in complex business scenarios? K3 (6)
- 6) How can decision analysis with spreadsheets be applied in supply chain management to optimize inventory levels and reduce costs? K3 (9)
- 7) Compare decision modeling with spreadsheets to other decision-making techniques or tools available in the business world. K4 (8)
- 8) Discuss the role of data visualization tools and add-ins in enhancing the capabilities of decision modeling with spreadsheets. K4 (12)

OR

How can sensitivity analysis in decision modeling help in identifying critical factors that significantly influence the outcome? K4 (12)