

School of Business

Department of Business

Mid Term Examination

Exam Date: 01 Oct 2023

Time : 90 Minutes

Marks : 50

Sem V - D1UB505T - Airline Route Planning

Your answer should be specific to the question asked

Draw neat labeled diagrams wherever necessary

- 1) Classify the important metrics of flight schedule and fleet assignment. K2 (2)
- 2) What are the elements of airline Route Structure and flight Dispatch. K1 (3)
- 3) Explain the strategic goal for efficient and effective use of aircraft utilization to improve profitability. K2 (4)
- 4) Illustrate the concept of flight Load Factor-High Frequency. K2 (6)
- 5) Illustrate the concept of pairing and rostering of airline staff. K3 (6)
- 6) Develop a Fleet routing model to optimize the airline fleet allocation and route decisions. K3 (9)
- 7) Examine the constraints of fleet Planning Route to determine the operational efficiency and profitability. K4 (8)
- 8) Discuss the main objective of air service agreements. K4 (12)

OR

Illustrate the aircraft routing patterns. K4 (12)