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DCAM604

Reg. No.

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VI Semester B.B.A. Degree Examination, June/July - 2025

AVIATION MANAGEMENT

Airport Infrastructure and Operations

(NEP Scheme F+R)

Paper : 6.4

Time : 2½ Hours

Maximum Marks :60

Instructions to Candidates:

Answers to be written in English only.

SECTION - A

Answer any Five of the following questions. Each question carries Two marks.

(5×2=10)

1. a) What is meant by Brownfield Airport?
- b) List any two components of an Airport Master Plan.
- c) Define 'Airport Service Quality'.
- d) What is 'Wake Turbulence'?
- e) What does CIQ stand for in airport Operations?
- f) Define Gate capacity in Airport terminals.
- g) Mention any two key functions of AOCC.

SECTION - B

Answer any Four of the following questions. Each question carries Five marks.

(4×5=20)

2. Write briefly about the Aerodrome Traffic Zone (ATZ) and Central zone.
3. What are the key components of Safety Management System (SMS)?
4. Discuss the factors affecting the basic Runway Length.
5. Write a note on Sight distance.
6. Enlist the Objectives and Key functions of ATC.

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SECTION - C

Answer any Two of the following questions. Each question carries Twelve marks.

(2×12=24)

7. Enumerate the importance and explain the characteristics of a successful Airport Master Plan.
8. Elaborate on the roles of SMS and ERP in airport operations.
9. Explain the concept of Airport sustainability and strategies to address environmental concerns.

SECTION - D

Answer any One of the following question. Each question carries Six marks.(1×6=6)

10. List all the types of Airport Surveys considered while planning the Airport.
11. Mention the various Navigational aids used at the airports.