



NP – 399

V Semester B.B.A. Examination, January/February 2025

(NEP Scheme) (Freshers/Repeaters)

AVIATION MANAGEMENT

Paper – 5.3 : Airport Strategic Planning

Time : 2½ Hours

Max. Marks : 60

Instruction : Answers should be written in **English** only.

SECTION – A

Answer **any 6** questions. **Each** question carries **2** marks.

(6×2=12)

1. a) Define Air transport.
- b) What are the classification of airports ?
- c) What is an Air traffic zone ?
- d) Explain the concept of space relationships in terminal planning.
- e) What are runway making used for ?
- f) What is an apron at an airport ?
- g) Define runaway capacity.
- h) What is a gate capacity in airports ?

SECTION – B

Answer **any 3** questions. **Each** question carries **4** marks.

(3×4=12)

2. Explain the growth of air transport over the years.
3. Describe the importance of noise control in airport design.
4. What are day and night landing aids ?
5. Explain the significance of runway length and sight distances in airport planning.
6. What factors affect the capacity of an airport ?

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SECTION – C

Answer **any 3** questions. **Each** question carries **12** marks.

(3×12=36)

7. Explain the process of designing a terminal area with a focus on operational concepts and area requirements.
 8. Discuss the classification of airfields and airfield components with relevant examples.
 9. Describe the different types of air traffic control aids used at airports.
 10. Explain the steps involved in conducting airport planning surveys and determining runway lengths.
 11. Analyse the factors affecting taxiway capacity and methods to optimize it.
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