

Roll No.....

Total No. of Printed Pages: 1

Total No. of Questions: [09]

BBA (Aviation Management) (Semester – 6th)

AIRPORT STRATEGIC PLANNING

Subject Code: BBADS2603

Paper ID: [20150231]

Time: 03 Hours

Maximum Marks: 60

Instruction for candidates:

1. Section A is compulsory. It consists of 10 parts of two marks each.
2. Section B consist of 5 questions of 5 marks each. The student has to attempt any 4 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

Section – A

(2 marks each)

Q1. Attempt the following:

- a. Discuss various Air Traffic Zones
- b. Discuss the development of Airport Planning Process
- c. Discuss the Growth of Air Transport
- d. Define Turning Radius
- e. Define capacity and delay in airport design
- f. Define Taxiway Capacity
- g. What is Holding Apron?
- h. What is Space Relationships and Area Requirements in Design of the Terminal Area?
- i. Discuss the operational concepts in planning of Terminal Area
- j. Discuss the Noise Control concept in design.

Section – B

(5 marks each)

- Q2. Discuss Various Classification of Airports Airfield Components.
- Q3. Discuss the Determination of Runway Capacity related to Delay.
- Q4. Discuss the importance of Clearances, Aprons and Numbering in airport planning.
- Q5. What are the Runways and Taxiways markings?
- Q6. What are the Airport Lighting and other Associated Aids?

Section – C

(10 marks each)

- Q7. Discuss the various factors affecting capacity and also discuss gate capacity in Airport design process.
- Q8. Discuss the terms in context of airport survey:
 - a. Runway Length & Width
 - b. Sight Distances
 - c. Longitudinal & Transverse
 - d. Runway Intersections
- Q9. How to plan Vehicular Traffic and Parking at Airports? Discuss in detail.