

Code No: 58090

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech IV Year II Semester Examinations, July - 2019

AIRPORT PLANNING AND OPERATIONS

(Aeronautical Engineering)

Time: 3 hours

Max. Marks: 75

Note: This question paper contains two parts A and B.

Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

PART - A

(25 Marks)

- 1.a) What are the different types of airports in the United States, as described in the NASP? [2]
- b) What purposes do general aviation airports serve? [3]
- c) What is meant by a runway clear zone? [2]
- d) How is an Airport Reference Code determined? [3]
- e) What is ramp handling? [2]
- f) What is the difference between inbound baggage system and outbound baggage system? [3]
- g) What are CUTE systems? [2]
- h) What are the different types of gate-usage agreements that airports negotiated with aircraft operators? [3]
- i) What are different access users? [2]
- j) What is aeronautical information? [3]

PART - B

(50 Marks)

2. What are the requirements necessary for an airport to be classified as a reliever airport? [10]
- OR**
3. What are advisory circulars? What purpose do they serve for airport management? [10]
 4. What is meant by an airport planning horizon? What is the typical planning horizon for an airport master plan? [10]
- OR**
5. What steps are involved in estimating the space requirements in planning airport terminals? [10]
 6. What are the different processes that comprise the passenger handling system at airport terminals? [10]
- OR**
7. What are the different modes that typically provide ground access to airports? [10]
 8. Explain in detail about the division of ground handling responsibilities. [10]
- OR**
9. Explain how do you handle the flow through the cargo terminal. [10]
 10. What are the different access modes? What are the factors affecting access mode choice? Explain. [10]
- OR**
11. Explain the establishment of access for air traffic control and telecommunication. [10]

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