

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-V(NEW) EXAMINATION – SUMMER 2022****Subject Code:3150108****Date:13/06/2022****Subject Name:Airport Management****Time:02:30 PM TO 05:00 PM****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Simple and non-programmable scientific calculators are allowed.

MARKS

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|------------|--|-----------|
| Q.1 | (a) What are some of the advantages and disadvantages of each type of airport terminal geometry? | 03 |
| | (b) What are the factors affecting takeoff and landing distances? | 04 |
| | (c) Classification of approach lights. | 07 |
| | | |
| Q.2 | (a) What types of formal training and education programs exist for current and future airport managers? | 03 |
| | (b) What is Topographical survey and Traffic survey? | 04 |
| | (c) Explain considerations to design a terminal building of domestic airports. | 07 |
| OR | | |
| | (c) What types of services are provided to airline industries by airport authorities? | 07 |
| Q.3 | (a) What is VASI and PAPI for runway? | 03 |
| | (b) What is role of Air Traffic Control? | 04 |
| | (c) What are some of the biggest problems faced by the airport system during the early part of the twenty-first century? | 07 |
| OR | | |
| Q.3 | (a) Differentiate between Taxiway and Terminal area? | 03 |
| | (b) What is reliever airport? | 04 |
| | (c) Explain Classification of different types of airports? Give some name of some international airport in India. | 07 |
| Q.4 | (a) What is the role of ICAO? | 03 |
| | (b) Explain the importance of airport planning. | 04 |
| | (c) Explain with neat sketch the various marking on the runways. | 07 |
| OR | | |
| Q.4 | (a) What is the role of IATA? | 03 |
| | (b) Explain Approach zone and Drainage Survey. | 04 |
| | (c) Draw different types of runway patterns and explain briefly. | 07 |
| Q.5 | (a) What is runway? | 03 |
| | (b) How does airport security differ between commercial service airports and general aviation airports? | 04 |
| | (c) Discuss duties and responsibilities of Airports Authority of India in our country. | 07 |
| OR | | |
| Q.5 | (a) What is taxiway? | 03 |
| | (b) What are the procedures that exist as part of passenger screening? | 04 |
| | (c) What are roles or functions of Airports Authority of India in Indian civil aviation structure? | 07 |
