

GUJARAT TECHNOLOGICAL UNIVERSITY

BE- SEMESTER-V (NEW) EXAMINATION – WINTER 2024

Subject Code:3150108

Date:05-12-2024

Subject Name:Airport Management

Time:10:30 AM TO 01:00 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
Q.1	(a) Define: Runway, Hangar.	03
	(b) Write short notes of types of Airports.	04
	(c) Explain with neat sketch the various marking on the runways.	07
Q.2	(a) What does Deplaning mean in aviation?	03
	(b) What are the basics types of runway configurations?	04
	(c) What do you understand by terminal area? What are the facilities are provided in the terminal building?	07
	OR	
	(c) Explain types of Aircraft Parking Position.	07
Q.3	(a) What is EMAS?	03
	(b) Difference between threshold and displaced threshold.	04
	(c) Describe ground handling services.	07
	OR	
Q.3	(a) What is the purpose of LAHSO?	03
	(b) What is racetrack procedure?	04
	(c) Enumerate the various factors affecting for selecting a suitable site for an airport.	07
Q.4	(a) What is Boarding?	03
	(b) What is the meaning of Decision height in aviation?	04
	(c) Explain airport terminal layout.	07
	OR	
Q.4	(a) What is runway visual range based on?	03
	(b) What is an aircraft arresting system? And give example.	04
	(c) Define TORA and TODA with sketch.	07
Q.5	(a) What is VASI and PAPI for runway?	03
	(b) What is the purpose of the approach lighting system?	04
	(c) Explain detection of dangerous objects and drug smuggling on airport security.	07
	OR	
Q.5	(a) What is rescue and fire fighting vehicles?	03
	(b) Discuss unlawful acts and air transport.	04
	(c) Write short note: Safeguarding of Airport Security	07
