

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-V (NEW) EXAMINATION – SUMMER 2024****Subject Code: 3150108****Date: 23-05-2024****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
Q.1	(a) Differentiate between airport and aerodrome.	03
	(b) Explain types of Airports.	04
	(c) Enumerate the various factors affecting for selecting a suitable site for an airport.	07
Q.2	(a) What is Hangar?	03
	(b) Explain runway and taxiway markings and lightings.	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 runway?	03
	(b) What do you understand by the term visual aid and its necessity?	04
	(c) Explain about Jet barrier and Net barrier system.	07
	OR	
Q.3	(a) What is the meaning of Decision height in aviation?	03
	(b) What is Topographical survey and Traffic survey?	04
	(c) Explain with neat sketch the various marking on the runways.	07
Q.4	(a) What is EMAS?	03
	(b) Enumerate aircraft ground handling activities at airport?	04
	(c) Classification of approach lights.	07
	OR	
Q.4	(a) Explain about circling approach.	03
	(b) Difference between threshold and displaced threshold.	04
	(c) Explain types of runway layout.	07
Q.5	(a) What is racetrack procedure?	03
	(b) What is VASI and PAPI for runway?	04
	(c) Explain detection of dangerous objects and drug smuggling on airport security.	07
	OR	
Q.5	(a) Define: Landing distance available, Take off Run available.	03
	(b) What is rescue and fire fighting vehicles?	04
	(c) Discuss unlawful acts and air transport.	07
