

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-V (NEW) EXAMINATION – WINTER 2022****Subject Code:3150108****Date:13-01-2023****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) Differentiate between airport and aerodrome.	03
	(b) What do you understand by terminal area? What are the facilities are provided in the terminal building?	04
	(c) Enumerate the various factors affecting for selecting a suitable site for an airport.	07
Q.2	(a) Define: Apron, Hangar	03
	(b) Classify process of arrival operation for aircraft handling method.	04
	(c) Explain airport terminal layout.	07
	OR	
	(c) Describe ground handling services.	07
Q.3	(a) Explain types of Airports.	03
	(b) Define. TORA and TODA.	04
	(c) Write short note: types of aircraft parking on airport.	07
	OR	
Q.3	(a) What is EMAS?	03
	(b) Draw the ICAO system of approach lights.	04
	(c) Explain types of runway layout.	07
Q.4	(a) What is a Net barrier?	03
	(b) What is VASI and PAPI for runway?	04
	(c) What do you understand by the term visual aid in connection with airport? Name the different visual aids.	07
	OR	
Q.4	(a) Difference between threshold and displaced threshold.	03
	(b) Classification of Approach light.	04
	(c) Explain about circling approach.	07
Q.5	(a) What is the meaning of Decision height in aviation?	03
	(b) What is rescue and fire fighting vehicles?	04
	(c) Explain detection of dangerous objects and drug smuggling on airport security	07
	OR	
Q.5	(a) What is racetrack procedure?	03
	(b) Write short note: Safeguarding of Airport Security.	04
	(c) Discuss unlawful acts and air transport.	07
