

GUJARAT TECHNOLOGICAL UNIVERSITY**BE – SEMESTER- V EXAMINATION-SUMMER 2023****Subject Code: 3150108****Date: 28/06/2023****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) What are objectives of airport survey?	03
	(b) “Aviation becomes easy mode of transportation.” Explain	04
	(c) Explain Classification of different types of airports? Give some name of some international airport in India.	07
Q.2	(a) Explain differentiate between domestic and international airports.	03
	(b) What is role of Air Traffic Control?	04
	(c) Explain with neat sketch the various marking on the runways.	07
	OR	
	(c) Draw different types of runway patterns and explain briefly.	07
Q.3	(a) What is VASI and PAPI for runway?	03
	(b) Differentiate between Civil and Military airports.	04
	(c) What are the facilities provided to passengers on International Airports?	07
	OR	
Q.3	(a) Explain types of runway layout.	03
	(b) Difference between taxiway and runway.	04
	(c) How might airports better prepare themselves for future Threats to civil aviation security?	07
Q.4	(a) What is Hangar?	03
	(b) Differentiate the roles of Pilot, Copilot and Autopilot?	04
	(c) Classification of approach lights.	07
	OR	
Q.4	(a) Define: Apron.	03
	(b) Mention four items that passengers cannot carry on board. Why?	04
	(c) Explain different types of lighting systems are used on airport.	07
Q.5	(a) What is the role of DGCA?	03
	(b) What are the procedures that exist as part of passenger screening?	04
	(c) Discuss duties and responsibilities of Airports Authority of India in our country.	07
	OR	
Q.5	(a) What is the role of ICAO?	03
	(b) How does airport security differ between commercial service airports and general aviation airports?	04
	(c) What are roles or functions of Airports Authority of India in Indian civil aviation structure?	07