

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER- VI(NEW) – EXAMINATION – SUMMER 2019****Subject Code: 2160107****Date: 27/05/2019****Subject Name: Airport and Operations 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.

		MARKS
Q.1	(a) What is mobile lounge concept?	03
	(b) What is role of Air Traffic Control?	04
	(c) Elaborate safeguarding of airport security.	07
Q.2	(a) What is aerodrome?	03
	(b) Enumerate departure operation of aircraft handling methods?	04
	(c) What are functions of Airport Authority of India in Indian civil aviation structure?	07
OR		
Q.3	(c) How a bomb threat is handled on airports?	07
	(a) What is apron?	03
	(b) Explain powered equipment used at Airport ground handling services.	04
	(c) What is centralized and decentralized security at airport?	07
OR		
Q.3	(a) What are primary objective of airport master plan?	03
	(b) Differentiate between airfield and airport.	04
	(c) Describe primary rules, policies and regulations commonly described in minimum standards as published by airport operator.	07
Q.4	(a) What is ICAO?	03
	(b) What is topographical and traffic survey?	04
	(c) Explain five major aircraft parking types on airport.	07
OR		
Q.4	(a) What are factors affecting for airport site selection?	03
	(b) Differentiate between airway aids and terminal aids.	04
	(c) Differentiate between domestic and international airport.	07
Q.5	(a) What is terminal layout?	03
	(b) Explain the importance of airport planning.	04
	(c) Explain different types of terminal configuration and their advantages and disadvantages.	07
OR		
Q.5	(a) What are objectives of airport survey?	03
	(b) Explain Approach zone and Drainage Survey.	04
	(c) Explain detection of dangerous objects and drug smuggling on airport security.	07
