

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VI (NEW) - EXAMINATION – SUMMER 2018****Subject Code:2160107****Date:10/05/2018****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.

- Q.1** (a) Differentiate between airport and aerodrome. **03**
(b) What is purpose of airport master plan? **04**
(c) Enumerate the various factors affecting for selecting a suitable site for an airport. **07**

- Q.2** (a) What purpose do general aviation airport serve? **03**
(b) What is reliever airport? **04**
(c) What specific rules and regulations are used to operate airports? **07**

OR

- (c) Discuss the role, responsibilities, and achievements of National Airports Authority of India. **07**
- Q.3** (a) What is the role of ICAO? **03**
(b) What is role of Air Traffic Control? **04**
(c) What are some of the biggest problems faced by the airport system during the early part of the twenty-first century? **07**

OR

- Q.3** (a) What is the role of IATA? **03**
(b) What is airport capacity? **04**
(c) Enumerate aircraft ground handling activities at airport? **07**
- Q.4** (a) What is runway? **03**
(b) Explain with neat sketch the various marking on the runways. **04**
(c) Explain types of runway layout. **07**

OR

- Q.4** (a) What is taxiway? **03**
(b) What do you understand by terminal area? What are the facilities are provided in the terminal building? **04**
(c) Explain types of terminal layout. **07**
- Q.5** (a) What is piggybacking? **03**
(b) How does airport security differ between commercial service airports and general aviation airports? **04**
(c) Explain detection of dangerous objects and drug smuggling on airport security. **07**

OR

- Q.5** (a) What are the various security-sensitive areas found at airports? **03**
(b) What are the procedures that exist as part of passenger screening? **04**
(c) What technologies are used to perform the screening of checked luggage at airports? **07**
