

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE- SEMESTER-V (NEW) EXAMINATION – WINTER 2020****Subject Code:3150108****Date:03/02/2021****Subject Name:Airport Management****Time:10:30 AM TO 12:30 PM****Total Marks: 56****Instructions:**

1. Attempt any FOUR questions out of EIGHT questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

		MARKS
<b>Q.1</b>	(a) What is taxiway?	<b>03</b>
	(b) Differentiate between airport and aerodrome.	<b>04</b>
	(c) Explain airport terminal layout.	<b>07</b>
<b>Q.2</b>	(a) What is runway?	<b>03</b>
	(b) What do you understand by terminal area? What are the facilities are provided in the terminal building?	<b>04</b>
	(c) Enumerate the various factors affecting for selecting a suitable site for an airport.	<b>07</b>
<b>Q.3</b>	(a) What is Hangar?	<b>03</b>
	(b) What is Topographical survey and Traffic survey?	<b>04</b>
	(c) Explain differentiate between domestic and international airports.	<b>07</b>
<b>Q.4</b>	(a) What is EMAS?	<b>03</b>
	(b) What do you understand by the term visual aid and its necessity?	<b>04</b>
	(c) Explain with neat sketch the various marking on the runways.	<b>07</b>
<b>Q.5</b>	(a) What is VASI and PAPI for runway?	<b>03</b>
	(b) Explain about Jet barrier and Net barrier system.	<b>04</b>
	(c) Explain types of runway layout.	<b>07</b>
<b>Q.6</b>	(a) Define. TORA and TODA.	<b>03</b>
	(b) Explain about decision height and RVR.	<b>04</b>
	(c) Classification of approach lights.	<b>07</b>
<b>Q.7</b>	(a) What is racetrack procedure?	<b>03</b>
	(b) Difference between threshold and displaced threshold.	<b>04</b>
	(c) Discuss unlawful acts and air transport.	<b>07</b>
<b>Q.8</b>	(a) Explain about circling approach.	<b>03</b>
	(b) Explain detection of dangerous objects and drug smuggling on airport security	<b>04</b>
	(c) Explain fire fighting services and selection about their locations on military airbases. Enlist equipments used for firefighting services.	<b>07</b>

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