

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-IV (NEW) EXAMINATION – SUMMER 2022****Subject Code:3140109****Date:29-06-2022****Subject Name:Aviation 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) List the three name of some aircraft manufacture. **03**
 (b) What types of facilities are available for passengers in Airplane. **04**
 (c) Explain civil aviation structure of India. **07**

- Q.2** (a) Explain schedule and non-schedule flights. **03**
 (b) Explain the concept of stealth aircrafts. **04**
 (c) Discuss any one of air crash accidents. **07**

OR

- (c) Classify different types of aircrafts. Shortly explain their applications. **07**

- Q.3** (a) What is the current scenario of Indian Aviation Industry? **03**
 (b) Differentiate between the working of DGCA and AAI. **04**
 (c) Explain how civil aviation industries are being grown up? **07**

OR

- Q.3** (a) Differentiate between Passenger and Cargo Terminals. **03**
 (b) Explain Passenger Load Factor (PLF) in detail? **04**
 (c) Explain functions of domestic and international airports in India? **07**

- Q.4** (a) What is Aircraft inspection? How is it's carried out? **03**
 (b) How number of passengers affects the airline industry. **04**
 (c) Shortly explain functions of IACO. **07**

OR

- Q.4** (a) "Aviation becomes easy mode of transportation". Explain. **03**
 (b) What are the various departments of DGCA? **04**
 (c) If you are a businessman having your own privet jet then what are the rules you need to follow for flying it in the Indian trajectory? **07**

- Q.5** (a) What is the role of WTO in aviation sector? **03**
 (b) Explain Passenger Load Factor (PLF) in detail? **04**
 (c) What are role of State and Central Governments.? And explain Safety Factor in detail. **07**

OR

- Q.5** (a) Draw and explain runway and taxiway markings and lightings. **03**
 (b) Differentiate the roles of Pilot, Copilot and Autopilot. **04**
 (c) What is the role of Aircraft maintenance engineer? **07**
