

# GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-IV (NEW) EXAMINATION – SUMMER 2024

Subject Code:3140109

Date:20-07-2024

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

- |            |     |   |           |
|------------|-----|---|-----------|
| <b>Q.1</b> | (a) | Write full form of DGCA, ICAO and AAI.  | <b>03</b> |
|            | (b) | As a CEO of Gujarat Airlines, what are your strategies to attract passengers?               | <b>04</b> |
|            | (c) | Briefly explain history of efforts for evaluation of aircraft started from Wright brothers. | <b>07</b> |
| <b>Q.2</b> | (a) | Explain schedule and non-schedule flights.  | <b>03</b> |
|            | (b) | Explain Passenger Load Factor (PLF) in detail?  | <b>04</b> |
|            | (c) | What are the roles or functions of EASA?  | <b>07</b> |
|            |     | <b>OR</b>   |           |
|            | (c) | Write roles of IATA.  | <b>07</b> |
| <b>Q.3</b> | (a) | What is ROFOR?  | <b>03</b> |
|            | (b) | What are the responsibilities and functions of DGCA?  | <b>04</b> |
|            | (c) | Discuss steps to proceed for any Air crash investigation.                                   | <b>07</b> |
|            |     | <b>OR</b>   |           |
| <b>Q.3</b> | (a) | What is the current scenario in Global Aviation Industry?                                   | <b>03</b> |
|            | (b) | List the three names of aircraft manufacturer and their models.                             | <b>04</b> |
|            | (c) | What are the modes of transportation and should one prefer aviation for transportation?     | <b>07</b> |
| <b>Q.4</b> | (a) | What is a METAR report?   | <b>03</b> |
|            | (b) | Explain types of licenses for pilot   | <b>04</b> |
|            | (c) | What are the roles of state and central government in aviation?                             | <b>07</b> |
|            |     | <b>OR</b>   |           |
| <b>Q.4</b> | (a) | What is Aircraft inspection?  | <b>03</b> |
|            | (b) | What is radio telephony procedure?  | <b>04</b> |
|            | (c) | Explain different types of transmission messages required during flight.                    | <b>07</b> |
| <b>Q.5</b> | (a) | What is the role of management in aviation?   | <b>03</b> |
|            | (b) | What is the role of Aircraft maintenance engineer?  | <b>04</b> |
|            | (c) | Explain general navigation procedure for aviation.  | <b>07</b> |
|            |     | <b>OR</b>   |           |
| <b>Q.5</b> | (a) | What is WTO?  | <b>03</b> |
|            | (b) | What is the difference between VFR and IFR flying?  | <b>04</b> |
|            | (c) | Which kind of information available in Aeronautical chart?                                  | <b>07</b> |

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