

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE - SEMESTER-IV(NEW) EXAMINATION – WINTER 2022****Subject Code:3140109****Date:15-12-2022****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**

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|------------|---|-----------|
| <b>Q.1</b> | (a) Explain passenger load factor in detail?  | <b>03</b> |
|            | (b) List the names of aircraft manufacturer and their different models.                         | <b>04</b> |
|            | (c) Explain various Growth drivers of any aviation industry?                                    | <b>07</b> |
| <b>Q.2</b> | (a) Write full form of DGCA, ICAO and AAI.  | <b>03</b> |
|            | (b) What types of facilities are available for passengers in airplane?                          | <b>04</b> |
|            | (c) Who is called as father of aviation? And what is advancement done by him.                   | <b>07</b> |
|            | <b>OR</b>   |           |
|            | (c) Briefly explain history of efforts for evaluation of aircraft started from Wright brothers. | <b>07</b> |
| <b>Q.3</b> | (a) What is stealth aircraft? Give two examples.  | <b>03</b> |
|            | (b) What are roles or functions of ICAO in International civil aviation structure?              | <b>04</b> |
|            | (c) What are the roles and limitations of DGCA in India?  | <b>07</b> |
|            | <b>OR</b>   |           |
| <b>Q.3</b> | (a) Explain schedule and non-schedule flights.  | <b>03</b> |
|            | (b) Types of licenses for pilots and Roles of AME.  | <b>04</b> |
|            | (c) Discuss the steps of air crash investigation.   | <b>07</b> |
| <b>Q.4</b> | (a) What is TAF?  | <b>03</b> |
|            | (b) What is the difference between VFR and IFR flying?  | <b>04</b> |
|            | (c) Explain functions and design of Air Traffic Control.  | <b>07</b> |
|            | <b>OR</b>   |           |
| <b>Q.4</b> | (a) Name the different types of weather reports.  | <b>03</b> |
|            | (b) What are the roles or functions of EASA and JAA?  | <b>04</b> |
|            | (c) Explain different types of Airspaces in detail.   | <b>07</b> |
| <b>Q.5</b> | (a) What is Aircraft inspection?  | <b>03</b> |
|            | (b) Explain different types of transmission messages required during flight.                    | <b>04</b> |
|            | (c) What is Approval procedure for New/Unused aircraft components?                              | <b>07</b> |
|            | <b>OR</b>   |           |
| <b>Q.5</b> | (a) What is radio telephony procedure?  | <b>03</b> |
|            | (b) Explain general navigation procedure for aviation.  | <b>04</b> |
|            | (c) Explain Aircraft registration procedure.  | <b>07</b> |

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