

CBCS SCHEME

18AE751

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Seventh Semester B.E. Degree Examination, Dec.2023/Jan.2024 Maintenance, Overhaul and Repair of Aircraft Systems

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions, choosing ONE full question from each module.

Module-1

- 1 a. Write about types of certificate required in aviation industry. Explain briefly about each type. (10 Marks)
b. Explain the needs for maintenance of aircraft. (10 Marks)

OR

- 2 a. Explain the importance of maintenance and its uses. (10 Marks)
b. Write about failure rate pattern with neat sketch. (10 Marks)

Module-2

- 3 a. Explain about airplane maintenance manual and fault insulation manual. (10 Marks)
b. Write about illustrated parts catalogue and master minimum equipment list. (10 Marks)

OR

- 4 a. Discuss about types of documentation used in aviation industry. (10 Marks)
b. Write the purpose of technical policies and procedure manuals. (10 Marks)

Module-3

- 5 a. Discuss about maintenance control centre and its responsibilities. (10 Marks)
b. Write about management area of concern in airlines. (10 Marks)

OR

- 6 a. Draw the diagram of typical airline maintenance organization structure and importance of role of management in aviation. (10 Marks)
b. Write about importance of aircraft logbook and its procedure. (10 Marks)

Module-4

- 7 a. Discuss about types of activities in hanger maintenance. (10 Marks)
b. Write about support function of materials storage issue control and handling. (10 Marks)

OR

- 8 a. Explain about stock level adjustment and shelf life in maintenance. (10 Marks)
b. Discuss about material management inventory control and explain briefly. (10 Marks)

Module-5

- 9 a. Discuss about occupational safety and health standard's maintenance. (10 Marks)
b. Write about Airline Safety Management in detail. (10 Marks)

OR

- 10 a. Explain the importance of maintenance safety program. (10 Marks)
b. Explain about safety regulations by FHC. (Federal Hazard Communications). (10 Marks)

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Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.