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18AE751

Seventh Semester B.E. Degree Examination, Feb./Mar. 2022
Maintenance, Overhead 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. Discuss the role of engineer and role of mechanic in aircraft maintenance. (10 Marks)
b. Discuss the types of maintenance with suitable sketches. (10 Marks)

OR

- 2 a. Discuss the effects of redesign on system reliability and perfection vs cost in maintenance. (10 Marks)
b. Discuss the failure rate patterns in aircraft maintenance. (10 Marks)

Module-2

- 3 Outline the importance of manufacture's documentation in an aircraft maintenance. (20 Marks)

OR

- 4 Outline the importance of regulatory documentation in an aircraft maintenance. (20 Marks)

Module-3

- 5 With the help of flow chart discuss the aircraft maintenance management structure. (20 Marks)

OR

- 6 Explain the maintenance control center responsibilities in aircraft maintenance. (20 Marks)

Module-4

- 7 Explain the hanger maintenance activity – A typical "c" check in an aircraft maintenance. (20 Marks)

OR

- 8 What are the various types of shops involved in hanger maintenance? (20 Marks)

Module-5

- 9 Discuss the following :
a. Airline safety management
b. General safety rules. (20 Marks)

OR

- 10 a. Discuss about Accident and injury reporting. (10 Marks)
b. Explain the eight basic concepts of troubleshooting. (10 Marks)
