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## CBCS SCHEME

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## 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. 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. Module-1 Discuss the role of engineer and role of mechanic in aircraft maintenance. (10 Marks) Discuss the types of maintenance with suitable sketches. (10 Marks) Discuss the effects of redesign on system reliability and perfection vs cost in maintenance. (10 Marks) Discuss the failure rate patterns in aircraft maintenance. (10 Marks) Module-2 Outline the importance of manufacture's documentation in an aircraft maintenance. 3 (20 Marks) OR Outline the importance of regulatory documentation in an aircraft maintenance. (20 Marks) Module-3 With the help of flow chart discuss the aircraft maintenance management structure. (20 Marks) Explain the maintenance control center responsibilities in aircraft maintenance. (20 Marks) 6 Module-4 Explain the hanger maintenance activity - A typical "c" check in an aircraft maintenance. 7 (20 Marks) OR What are the various types of shops involved in hanger maintenance? (20 Marks) Module-5 Discuss the following: Airline safety management General safety rules. (20 Marks) Discuss about Accident and injury reporting. (10 Marks) 10 Explain the eight basic concepts of troubleshooting. (10 Marks)