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Sixth Semester B.E. Degree Examination, June/July 2019 Maintenance, Overhaul and Repair of Aircraft Systems

Time: 3 hrs.

Max. Marks: 80

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

Module-1

- 1 a. Discuss the aircraft maintenance with types. (08 Marks)
b. Explain the failure rate pattern. (08 Marks)

OR

- 2 Explain the following certifications: (16 Marks)
a. Type certificate (FAA Form 8110.9)
b. Airworthiness certificate (FAA Form 8100.2)

Module-2

- 3 Write short notes on: (16 Marks)
i) Airplane maintenance manual and illustrated parts catalogue
ii) Structural repair manual and MMEL.

OR

- 4 Describe briefly about Technical Policies and Procedure Manuals (TPPM). (16 Marks)

Module-3

- 5 a. Explain briefly about line maintenance control centre flight line for pre flight. (08 Marks)
b. Discuss about aircraft log book and aircraft maintenance crew skill requirements. (08 Marks)

OR

- 6 Write short notes on: (16 Marks)
i) Aircraft maintenance management structure
ii) The role of aviation management.

Module-4

- 7 List the types of shops used for Haner maintenance and explain briefly. (16 Marks)

OR

- 8 Describe the following material supports: (16 Marks)
i) Shelf life ii) Warranty and modifications of parts.

Module-5

- 9 Compare the following terms, Safety Management System (SMS) and specifics by Aviation industry type. (16 Marks)

OR

- 10 a. Explain briefly hazardous materials carried by airline passengers and crew members. (08 Marks)
b. Predict the maintenance-related accident. (08 Marks)

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.