

Model Question Paper-1 with effect from 2021(CBCS Scheme)

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7th Semester B.E. Degree Examination

AIRCRAFT MAINTENANCE, REPAIR AND OVERHAUL

TIME: 03 Hours

Max. Marks: 100

- Note: 01. 02. Answer any **FIVE** full questions, choosing at least **ONE** question from each **MODULE**.
03. Assume missing data suitably
04. Use of heat transfer data handbook is permitted

Module -1			*Bloom's Taxonomy Level	COs	Marks
Q.01	a	Provide detail explanation of why maintenance is necessary and describe the types of maintenance	L3	CO1	10
	b	Explain with a suitable figure failure rate pattern	L2	CO1	10
OR					
Q.02	a	What is the need of aviation industry certification requirements explain in detail	L3	CO1	10
	b	In detail outline about airworthiness certificate (FAA Form 8100.2)	L2	CO1	10
Module-2					
Q. 03	a	Explain in detail the types of documentation used in the aviation industry.	L4	CO2	10
	b	Explain briefly the airplane maintenance manual and Fault Isolation Manual	L2	CO2	10
OR					
Q.04	a	Explain in detail the purpose of the Technical Policies and Procedures Manual (TPPM)	L4	CO2	10
	b	Outline in detail about the importance of ATA document standard.	L2	CO2	10
Module-3					
Q. 05	a	Discuss about aircraft logbook and aircraft maintenance crew skill requirements.	L2	CO3	10
	b	Aircraft maintenance management structure	L2	CO3	10
OR					
Q. 06	a	Explain briefly about line maintenance control center flight line for pre-flight and post flight	L2	CO3	10
	b	Discuss in detail about the role of aviation management.	L2	CO3	10
Module-4					
Q. 07	a	Provide an overview of the activities performed during hangar maintenance.	L4	CO3	10
	b	List the types of shops used for hangar maintenance and explain briefly.	L3	CO3	10
OR					
Q. 08	a	Emphasize the key problem areas associated with hangar maintenance.	L4	CO2	10
	b	Discuss in detail about the preliminary 'C' check activities	L3	CO3	10
Module-5					
Q. 09	a	characterize the responsibilities of an Aircraft Maintenance Safety Manager discuss.	L3	CO4	10
	b	Explain briefly hazardous materials carried by airline passengers and crew members.	L3	CO4	10
OR					
Q. 10	a	What is the procedure for accident and injury reporting discuss in detail.	L3	CO4	10
	b	Explain the safety rules related to aircraft maintenance.	L3	CO4	10

*Bloom's Taxonomy Level: Indicate as L1, L2, L3, L4, etc. It is also desirable to indicate the COs and POs to be attained by every bit of questions.