Sanjay Ghodawat University, Kolhapur

2020-21

Established as State Private University under Govt. of Maharashtra. Act No XL, 2017

EXM/P/09/00

Year and Program: TY BTech	**School of Technology**	**Department: Aeronautical Engineering**
Course Code: AET308D	**Course Title: Airframe Maintenance**	**Semester : VI**
Day and Date: Thursday and 10th June 2021	**End Semester Examination**	**Time : 2 Hrs.** **Max Marks : 50**

Instructions: 1) All questions are compulsory.

2) Draw a neat sketch wherever asked or applicable.

Q.1		**Answer/Solve the following (any two)**	**Marks**	Bloom's Level	CO
	a)	Write short notes on aircraft tubing repair procedure.	8	3	1
	b)	Assume you are a maintenance engineer who is working on sheet metals. Analyze and explain the various factors that will affect the sheet metal part and joint design.	8	5	2
	c)	Explain the different type of Non-Destructive methods used for sheet metals.	8	3	2
Q.2		**Answer/Solve the following (any two)**			
	a)	Explain in detail about the sandwich structure with a neat diagram.	8	3	3
	b)	Explain major components of a laminate.	8	3	3
	c)	As a maintenance engineer at work, list down the inspection and maintenance procedure that you would employ for a flight control system.	8	4	4
Q.3		**Answer/Solve the following (any two)**			
	a)	Differentiate between APU and GPU.	9	2	4
	b)	Write short notes on physical hazards.	9	2	5
	c)	Write five basic requirements of a hazard communications program.	9	3	5

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