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: **Final year B.Tech**	**School of Technology**	**Department:** **Aeronautical Engineering**
Course Code: AET 401	**Course Title: Aircraft Systems**	**Semester :VII**
Day : **Date :**	**End Semester Examination**	**Time : 2 Hrs.** **Max Marks : 50**

Instructions: 1) All Questions are compulsory.
2) Assume suitable data wherever necessary.

			Marks	Bloom's Level	CO
Q.1	**Answer the following (Any Two)**–				
	a)	Explain and apply the procedure for aircraft hydraulic system testing procedure.	8	L_3	CO1
	b)	Sketch and explain the A-320 hydraulic systems and analyze its failure conditions.	8	L_3	CO1
	c)	How do select the flight control laws and justify it with different conditions.	8	L_3	CO2
Q.2	**Answer the following (Any two)** –				
	a)	Differentiate and classify the aircraft emergency power generation systems	8	L2	CO3
	b)	Classify the aircraft engine control and list down the starting sequences on commercial aircrafts	8	L_3	CO4
	c)	Make use of conventional engine system explain the engine control of modern civil aircraft.	8	L_3	CO4
Q.3	**Answer the following (Any two)** –				
	a)	Assume you are a pilot and compare the B777& and A 340 Aircraft fuel systems with neat sketch	9	L_4	CO4
	b)	As a pilot point of view classify and compare the aircraft Emergency Landing systems with neat sketch.	9	L_4	CO5
	c)	Assume you are avionics technician. In your point of view differentiate Crash recorder and Crash switch with neat sketch	9	L_4	CO5

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