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: SY & B.Tech Aero	**School of Technology**	**Department: Aero**
Course Code: AET210	**Course Title: Avionics Engineering**	**Semester : IV**
Day and Date: Friday,25.06.2021	**End Semester Examination**	**Time : 2 Hrs.** **Max Marks : 50**

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

		Marks	Bloom's Level	CO
Q.1	**Answer the following (any Two)**			
a)	Explain the importance and role of avionics in future aviation industry.	8	L_2	1
b)	Write about construction and application of AMLCD.	8	L_2	1
c)	Illustrate the working of intelligent displays management and its application in aircraft.	8	L_2	2
Q.2	**Answer the following (any two)**			
a)	Explain the working of RMI with neat sketch.	8	L_2	3
b)	Write short notes on Doppler RADAR and AWACS	8	L_2	3
c)	Describe about DME Navigation Equipment	8	L_2	4
Q.3	**Answer the following (any two)**			
a)	Assume you are the pilot of Boeing 747 aircraft which is facing an emergency situation at mid-flight. Keeping this scenario in mind analyse the communication system you will use to intimate the ATC.	9	L_3	4
b)	Assume your aircraft is under ATC Electronic Warfare. How do you explain it to passengers about it?	9	L_3	4
c)	Analyse and Classify the different data link used in aviation with neat sketches.	9	L_4	5

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