auth la frait freeze	Reg. No.:	
Qu	uestion Paper Code :	50035
B.E./B.Tech. DE	EGREE EXAMINATION, NOVEME	BER/DECEMBER 2017
.101)	Seventh Semester Aeronautical Engineering AE 6701 – AVIONICS (Regulations 2013)	13 of Explanata detail about (00) by Write about or other
Time: Three Hours		Maximum: 100 Marks
ricos suvantagos	Answer ALL questions.	(4; n) Explain itelesal whous
	PART – A	(10×2=20 Marks)
Define Avionics.	arantinosa (Jako I) Portus san System	b) Steetch and explanating
2. Define Dead recko	oning.	this a). Explain in decorations
3. Differentiate 1553	BB and ARINC 629 data bus.	Manufactus Montroom (in
4. Define MFDS.		GIGS.
5. Differentiate LED	and LCD.	
6. Write the working	g principle of Touch screen display.	
7. State the working	principle of DME.	
8. Differentiate ILS	and MLS.	
9. Define autopilot.		
10. Define TAT.		
	PART – B	(5×16=80 Marks)
11 a) Sketch and ext	plain in detail about various avionics	
11. a) blever and cap	(OR)	subsystem. (10)
b) Explain in deta aircraft.	ail about the design procedure of avio	nics subsystems in civil (16)

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12.		Draw the architecture and explain in detail about MIL-STD-1553B digital data bus. (16)	
	b)	Explain in detail about ARINC-429 Civil avionics digital data bus. (16)	
13.	a)	Explain in detail about working principle of CRT. (16)	
	b)	Write short notes on: i) HUD. (8)	
		Explain in detail about inertial navigation system and its various advantages and disadvantages. (16)	
	b)	(OR) Sketch and explain in detail about Global Positioning System. (16)	
15.		Explain in detail about:  i) Airspeed indicator.  ii) Mach hold autopilot.  (OR)  (OR)	
	b)	Sketch and explain in detail about various lateral autopilot system. (16)	
		7. State the way in a winciple of DME	
		8. Differentiate [LS and ML 8	
		9. Define sotopatos	
		O. Define PAT	
(83		M 08×81×3) 6 - T%/	
		11. a) Sketch and explace in setail above warmes avionics subsystem.	
(81		livis in analyzegadou spinoiva to surbosonq or a death involational an quality if the first and	