SATHYABAMA UNIVERSITY

(Established under section 3 of UGC Act,1956)

Course & Branch :B.E - AERO

Title of the Paper :Avionics   Max. Marks:80

Sub. Code :526E10-AEE09(2007-2008)   Time : 3 Hours

Date :18/10/2011   Session :FN

PART - A   (10 x 2 = 20)

Answer ALL the Questions

1.   Write the essential of Avionics system?

2.   Write the five layers of avionics sub-system?

3.   What is the primary function of memory interfacing?

4.   What is partial decoding?

5.   What are the major design aspects of avionic system?

6.   What is the significance of ARINAC 629?

7.   What is CRT?

8.   What are the advantages of LCD?

9.   What are the components of VOR system?

10.   List out the equipments used in aircraft ILS?

Answer All the Questions

11. Briefly describe about the ARINC specification.

(or)

12. Explain about the "Automatic Test Equipment".

13. Briefly explain about the overview of the 8082 instructions set?

(or)

14. Explain about the interfacing input device.

15. List out the various aspects of data buses using MIL-STD-1533.

(or)

16. (a) Brief out the comparison of digital data buses?
    (b) Comparison of MIL-STD with HSDB (High speed data bus).

17. Describe about the electro luminance and plasma panel display.

(or)

18. Explain about the Head up display.

19. Explain about the communication system.

(or)

20. Describe about the "Doppler Navigation system.