

B.TECH. IN AEROSPACE ENGINEERING (BTAE)

01145

Term-End Examination

June, 2012

BAS-006 : COMPUTER FUNDAMENTAL

Time : 3 hours

Maximum Marks : 70

Note : *Question No. 1 is compulsory. Attempt any six questions from the remaining.*

1. Answer the followings : **10x1=10**
- (a) Who is the father of digital computer ?
 - (b) 'GUI' stands for _____.
 - (c) The 'ALU' and memory unit of computer system are jointly known as the Central Processing Unit (True/False)
 - (d) Define Computer.
 - (e) Operating system is the example of System Software (True/False)
 - (f) Convert $(50)_{10}$ to binary
 - (g) Define access time.
 - (h) C is _____ level language.
 - (i) What is the use of 'DIR' command of MS-DOS ?
 - (j) My computer is default icon on desktop screen (True/False).

2. (a) Describe the different generation of Computers. 5
 (b) Differentiate between 'RAM and 'ROM'. 5
3. (a) Write a program to find the length of a given string. 5
 (b) Write a program to check whether the given number is even or odd. 5
4. (a) What are the five basic operations of computer. 5
 (b) Describe different types of printer. 5
5. (a) Convert decimal to binary 6
 (i) $(90)_{10}$ (ii) $(125)_{10}$
 (iii) $(400)_{10}$
 (b) Subtract $(0110111)_2$ from $(1101110)_2$ 4
6. (a) Explain any three functions of MS-excel. 6
 (b) What do you mean by formatting ? Write any two name of font. 4
7. (a) Differentiate between Internet and Intranet. 4
 (b) What is program ? How many types of software are there ? Give three examples of each. 6
8. (a) Explain different data types in 'C'. 5
 (b) Explain the concept of 'Pointers'. 5

9. (a) Rotation speed of a disk is 2400 r.p.m. and the disk has 125 sectors/track and 512 bytes/sectors, find the transfer rate of disk. 5
- (b) In magnetic tape data recording density is 88,0000 bpi and speed is 200 inches/sec. Find data transfer rate. 5
10. (a) Write different shortcut keys which are used in windows with relevance to following. 5
- (i) copy
 - (ii) undo
 - (iii) paste
 - (iv) delete
 - (v) delete selected item permanently.
- (b) Explain any two DOS commands with syntax. 5
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