B.TECH. (AEROSPACE ENGINEERING) (BTAE)

00464

Term-End Examination

December, 2010

BAS-006 : COMPUTER FUNDAMENTALS

Time : 3 hours   *Maximum Marks : 70*

*Note :   Question no. **one** is compulsory. Solve **any six** questions from Q. 2 to Q. **10**.*

1.   Answer following objectives.   **10x1=10**

(a)   Explain MOD function of MS-Excel.

(b)   Magnetic tape is the example of sequential access method (True/false).

(c)   Give the examples of two input devices.

(d)   What do you mean by DBMS ?

(e)   In which menu find & Replace option is available ?

(f)   List the basic data types of 'C' .

(g)   Floppy disk is the example of optical disk (True/False.)

(h)   Write any two default icons.

(i)   ENIAC stands for _____ .

(j)   Convert $(67)_8$ to decimal number.

2. (a) Write all the characteristics of computer. 6

   (b) Explain the access mechanism of optical disk. 4

3. (a) Write a program to check whether the given number is even or odd. 5

   (b) Write a short note on looping. 5

4. (a) Draw a block diagram of computer and explain it. 7

   (b) What is cache memory ? 3

5. Find the 2's complement of the following binary numbers. 10

   (i) 011011 (ii) 10110001 (iii) 101

   (iv) 01010 (v) 0111

6. (a) A disk pack consists of 8 disk plates. Each plate has 500 tracks and 100 sectors per track. If 512 bytes can be stored per sector, calculate the total number of bytes, which can be stored. 6

   (b) What is DBMS? 4

7. (a) Write a short note on mail merge. 6

(b) Differentiate between impact and non 4
impact printers.

8. (a) Write SQL commands/verbs/clause with 6
one example each.

(i) Create table   (ii) Insert

(iii) Delete table

(b) Explain Sum function of MS-Excel. 4

9. (a) What are the advantages of using 6
functions ? Write functions for addition and
subtraction of given two numbers.

(b) Write short note on an array. 4

10. (a) Draw unix file system structure and explain 5
it.

(b) Explain any two commands of unix. 5

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