1986

B. E. 2nd Semester

Examination – May, 2012

FUNDAMENTAL OF COMPT. ENGG & PROGRAMMING IN C

Paper : CSE-101-E

Time : Three Hours]   *[Maximum Marks :100*

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note :   Attempt any *five* questions. All questions carry equal marks.

1. (a) Define computer system. Explain the classification of system on the basis of its size.

   (b) Differentiate between RAM and ROM.

2. (a) Define operating system. Explain various types of operating system.

   (b) Differentiate between DOS and Windows operating system.

3. (a) What do you mean by computer network ? Why networks are required ?

   (b) Discuss the major applications of internet.

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4. Write short notes on the following :

   (a) Interpreter

   (b) Complier

   (c) Linker

   (d) Loader

5. Why C language is known as mid level language ? Explain the major features and limitations of C language.

6. (a) What do you mean by abstract data type ? Explain various abstract data types available in C language.

   (b) Explain the concept of bitwise operators with suitable illustration.

7. Explain the following with suitable illustration in C language :

   (a) File operations

   (b) I/O streams

8. Convert the following number from one number system to another.

$$(6425)_{10} = (X)_2 = (Y)_8 = (Z)_{16}$$

Show all steps.