Roll No. ....

CS—201

B. E./B. Tech. (Second Semester)
EXAMINATION, 2008

COMPUTER LANGUAGES

Time : Two Hours]   [*Maximum Marks : 50*

Note : Attempt any *five* questions.

1. Explain the components and their functions of a Computer System. Also differentiate between hardware and software with examples.   10

2. (a) Define Operating System concepts with example. Write *five* DOS and UNIX commands with syntax and examples.   5

   (b) What is Internet ? Explain browsers with example. Discuss LAN, MAN and WAN.   5

3. (a) Describe the Generation of Computer Programming Languages with examples.   5

   (b) Explain Algorithm and Flow chart. Write the characteristics of algorithm and the symbols used in Flow chart.   5

4. (a) Write algorithm and draw flow chart to find the maximum of three numbers.   5

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(b) Write a short note on C Programming Language. Differentiate variable, constants and keywords with example. 5

5. (a) Define Unary, Conditional, Relational, Logical and Shorthand operators with examples. 5

(b) Write a progrm in C language to reverse a number of n-digit. 5

6. (a) Differentiate between call by value and call by reference with a suitable example.

(b) Write structure/syntax of if-else, switch, while, do-while and for statements with a suitable example. 5

7. (a) Discuss between Arrays and Structures with a suitable example. Give the condition when we use Arrays and Structures. 5

(b) Write short notes on any *two* of the following : $2\frac{1}{2}$ each

(i) Pointers

(ii) Functions

(iii) String

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