

Roll No.

P-3107

**B. E./B. Tech. (Second Semester) (B. P.)
EXAMINATION, 2007**

COMPUTERS AND LANGUAGES

(CS-201)

Time : Two Hours]

[Maximum Marks : 50

Note : Attempt any five questions.

1. (a) Explain the main components of a computer system.
What role do they play ? Draw figure also. 5
(b) Define O. S. with some examples. Explain in brief four
functions of an O. S. 5
2. (a) What is the difference between an internal and
external DOS command ? Give five command of each
type. 5
(b) What is a programming language ? Why is it
required ? How a high level language is
understandable by a computer ? 5
3. Explain the difference between the following terms with
suitable examples : 10
 - (i) Absolute path vs Relative path
 - (ii) Vi vs Edit editors
 - (iii) Multiprogramming vs Multitasking

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- (iv) Array vs Structure
 - (v) Local vs Global variable
4. (a) Describe the directory of UNIX file system. Summarize the features of UNIX system. 5
- (b) Explain logical, conditional, unary, compound assignment and increment/decrement operators with example. 5
5. (a) Explain different types of loops in C with a suitable example. 5
- (b) Define algorithm and flowchart. Write algorithm and draw flowchart to find maximum of *three* numbers. 5
6. (a) Define function and recursion. Write a program of factorial using function of recursive type. 5
- (b) Write a program of sorting 'n' numbers from an array. 5
7. Write short notes on any *four* of the following : 10
- (a) Internet and its services
 - (b) Pointers
 - (c) Web browser with examples
 - (d) Variables and keywords
 - (e) PINE and its features

450

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