



Printed Pages : 3

CS - 201

(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID : 1027

Roll No.

B. Tech.

(SEM. II) EXAMINATION, 2006-07

COMPUTER & LANGUAGES

Time : 2 Hours

[Total Marks : 50

- 1 Attempt any **four** parts of the following : $3 \times 4 = 12$
- (i) Draw the block diagram of a digital computer and explain its various components.
 - (ii) Explain the following DOS commands.
 - (a) Attrib
 - (b) Xcopy
 - (c) Deltree.
 - (iii) Discuss the following utilities used in Windows Operating System :
 - (a) Recycle Bin
 - (b) Screen Saver
 - (c) Windows Explorer.
 - (iv) What is an operating system? Explain the major functions of an operating system in brief.
 - (v) What are the different kinds of printer? Explain each of them briefly.
 - (vi) Discuss the merits and demerits of Machine Level Language.

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2 Attempt any **four** parts of the following : **3×4=12**

(i) What is a shell in UNIX? How does it work?
List the various types of shells available in UNIX.

(ii) Explain the following UNIX commands :

(a) Ls

(b) Sh

(c) Su

(iii) Explain the following Vi editor commands

(a) x

(b) dd

(c) yy

(d) a

(e) i

(iv) Write short notes on any **two** :

(a) Browser

(b) Search Engine

(c) HTML

(v) What are PINE? How is it different from ELM? Also give functional differences between Internet explorer and Netscape Navigator (If any)

(vi) What are the various ways in which we saw access internet on the computer? Give a list of devices, equipment, accessories needed for internet access.

3 Attempt any **two** parts of the following : **6×2=12**

- (i) Explain in detail the various data types available in C language. Write an iterative function to generate 5th fibonacci number.
- (ii) Differentiate between :
 - (a) Recursion and Iteration
 - (b) Global variable and Local variable
 - (c) Actual parameter and Formal parameter
- (iii) Write a program in C to check whether the given number is prime or not (make use of the function).

4 Attempt any **two** parts of the following : **7×2=14**

- (i) Write a program in C to take array of integer as input and sort the elements in ascending order using any interchange sorting technique.
- (ii) Explain the various storage classes used in C language. How do you differentiate between static variable and a constant?
- (iii) Write a program in C to accept 10 values of structures containing three elements as SNo, Name, Age. Now list the names whose age is less than 50.