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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 : **3×4=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.

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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.
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