MS – 574

IV Semester B.C.A. Examination, May 2016
(CBCS) (Fresh) (2015 – 16 & Onwards)
COMPUTER SCIENCE
BCA – 404 : Unix Shell Programming

Time : 3 Hours   Max. Marks : 70

Instruction : *Answer all the Sections.*

SECTION – A

I. Answer **any ten** questions.   **(10×2=20)**

1) List the different part of a unix file system.

2) What is the use of echo command ?

3) What are the two different types of unix command ?

4) What is the function of unlimit command ?

5) What is an interrupt ?

6) What is a wildcard ? Why are they used ?

7) What is the use of mkfs command ?

8) What is a filter ?

9) Explain the concept of pipe.

10) What are positional parameters ? Write the function of any two positional parameters.

11) What is finger and merg command ?

12) What is file encryption ? How do you encrypt a file ?

SECTION – B

II. Answer **any five** questions.   **(5×10=50)**

13) a) Explain unix architecture with a neat diagram.

    b) Explain salient features of unix operating system.   **(5+5)**

14) a) What are the different modes of setting file permissions ? Explain with an example.

    b) Compare Kernel mode versus user mode.   **(5+5)**

P.T.O.

15) a) Explain different loop control structures available in unix.

    b) Write a shell program to print all prime numbers between m and n (m<n).

                                                                (4+6)

16) a) Explain mounting and demounting of files.

    b) Explain the types of shell variables.

                                                                 (5+5)

17) a) Explain the domain name system.

    b) Explain the tar command in unix.

    c) Explain the cpio command.

                                                                 (3+4+3)

18) a) Describe the compression and decompressing techniques of files in unix.

    b) Explain disk related commands.

                                                               (5+5)

19) a) Write note on SED command.

    b) Explain the use of grep command.

                                                                 (6+4)

20) a) Explain different states of process with a diagram.   **5**

    b) Write a shell script to display all the file types and file permissions.   **5**

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