UG – 418

IV Semester B.C.A. Examination, September/October 2022
(CBCS) (F+R) (2015-16 and 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) Mention any two features of Unix operating system.

2) Define Disk partitioning.

3) Write any two options of cut command with an example.

4) What is distributed file system ?

5) What is the use of PS command ?

6) What do you mean by zombic process ?

7) What is interrupt ?

8) What is mail command used for ?

9) What is a purpose of finger command ?

10) What is finger and merg command ?

11) Mention different nodes.

12) Mention the different types of Shell variable.

SECTION – B

II. Answer **any five** questions. **Each** question carries **ten** marks.

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

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

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

    b) Explain the use of grep command.   **(6+4)**

P.T.O.

15) a) Describe the compression and decompressing techniques of file in unix.

    b) Explain the various purpose of cat command. **(5+5)**

16) a) Explain process related command in Unix OS.

    b) Define filter. Explain any four filter commands with syntax and example. **(5+5)**

17) a) Write a note on awk programming.

    b) Write a shell scripts to reverse a number and check whether it is palindrome or not. **(5+5)**

18) a) Explain different states of process with a diagram.

    b) Explain user management in Unix OS. **(5+5)**

19) a) Explain the different modes of Unix OS.

    b) Describe branching control structures in shell programming with example. **(5+5)**

20) a) Explain IS command with different options.

    b) Write a note on Unix system communication commands. **(5+5)**

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