



65422

IV Semester B.C.A. Degree Examination, September/October 2022
(CBCS) (F+R)
COMPUTER SCIENCE
BCA 404T : Unix Shell Programming

Time : 3 Hours

Max. Marks : 70

Instruction : Answer *all* the Sections.

SECTION – A

I. Answer **any ten** questions. **Each** question carries **two** marks. (10×2=20)

- 1) Differentiate Kernel and shell.
- 2) Define inode.
- 3) What is the use of scale function ?
- 4) What do you mean by zombie process ?
- 5) What is the use of PS command ?
- 6) Define format and fdformat commands.
- 7) What is sed ?
- 8) What is signal ? Give the names of any two signals in Unix.
- 9) What is the significance of expr command ?
- 10) Write the syntax of while statement in shell programming.
- 11) What is the use of finger command ?
- 12) Define system administrator.

SECTION – B

II. Answer **any five** questions. **Each** question carries **ten** marks. (10×5=50)

- 13) a) Explain Unix architecture with a neat diagram. 5
- b) Explain the following commands with syntax. 5
 - 1) pwd
 - 2) mkdi
 - 3) cal
 - 4) cp
 - 5) Cd.

P.T.O.



- 14) a) What is file system ? Explain the basic types of files in Unix. 5
 b) What is filter ? Explain any 4 filter commands with examples. 5
- 15) a) Explain file encryption and decryption in Unix. 5
 b) Explain process related commands in Unix. 5
- 16) a) What is the use of chmod command ? Explain with example. 5
 b) Explain the types of shell variable with examples. 5
- 17) a) Explain domain name system. 5
 b) Explain the cpio command. 5
- 18) a) Write note on awk programming. 5
 b) Write a shell script to reverse a given number and check whether it is palindrome or not ? 5
- 19) a) Describe branching control structure in shell programming with example. 5
 b) Explain write and wall commands. 5
- 20) a) Explain different privileges of a system. 5
 b) Explain the use of grep command. 5



(10x5=50)

5

5

- 1) pwd
 2) mkdir
 3) cat
 4) cp
 5) cd