

I-280

B.C.A. (Part-II) Examination, 2020 SHELL PROGRAMMING IN LINUX / UNIX

Time Allowed : Three Hours

Maximum Marks : 50

Minimum Pass Marks : 20

Note : Attempt any five questions. One question from each unit is compulsory. All questions carry equal marks.

Unit-I

Q. 1. What is meant by linux file system ? Explain the file types and permissions of linux. **10**

OR

Explain the following :

I-280

P.T.O.

(2)

- (i) Architecture of the linux
- (ii) File operations and links

Unit-II

Q. 2. What is meant by VI-editor ? Explain features and command of VI-editor. **10**

OR

Explain the following :

- (i) What is Emacs Editor ? Explain its features
- (ii) Exrc file

Unit-III

Q. 3. What is meant by shell programming ? Explain features and environment of shell programming. **10**

I-280

(3)

OR

Write a shell program using do case construct.

Unit-IV

- Q. 4.** What is X-windows ? Explain the client server model of X-windows in detail. **10**

OR

Explain the following :

- (i) GNOME file manager
- (ii) Screen savers in KDE
- (iii) FVWM and FVWM 95

Unit-V

- Q. 5.** What do you meant by System Administration of Linux ? Write the responsibilities of a system administrator. **10**

I-280

P.T.O.

(4)

OR

Explain the following :

- (i) Managing file system
- (ii) User and group related jobs
- (iii) Scanner and peripheral devices in linux

I-280

200