

# J-280

B.C.A. (Part-II) Examination, 2021

**SHELL PROGRAMMING IN LINUX / UNIX**

*Time Allowed : Three Hours*

*Maximum Marks : 50*

*Minimum Pass Marks : 20*

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

## UNIT-I

**Q. 1.** What is Linux? Explain it's features in detail.

**OR**

Write short notes :

- (i) Linux Distributions
- (ii) Kernel shell relationship

**(2)**

## UNIT-II

**Q. 2.** Explain Vi editor along with it's important features.

**OR**

Explain any five emacs editor commands in detail.

## UNIT-III

**Q. 3.** Explain shell programming using suitable example.

**OR**

What is shell? Explain its types.

## UNIT-IV

**Q. 4.** Write short notes :

- (a) FVWM
- (b) FVWM95

**OR**

Explain :

- (i) GNOME
- (ii) KDE

**(3)**

**UNIT-V**

**Q. 5.** Write short notes :

- (a) File access permission
- (b) User and group related job

**OR**

Explain :

- (i) Responsibilities of a system administrator
  - (ii) PRC
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