

April - 2016

Seat No. \_\_\_\_\_

### Third Year B. C. A. Examination

**Paper Code: 8894**

**Paper Name & No: Linux Shell Programming (301)**

**Time duration: 3 Hour**

**Marks: 100**

**Question – 1: Do as Directed.**

1. List out and explain features of UNIX in detail. 10
2. Write a detail note on KDE and GNOME. 10

**OR**

**Question – 1: Do as Directed.**

1. What is licensing? Explain Applications of Linux. 10
2. What are the advantages and disadvantages of Linux? 10

**Question – 2: Do as Directed.**

1. Define file. Explain File System supported by the Linux. 10
2. Explain the following commands with Explanation, syntax, example. 10

(a) Man                      (b) cd (with all options)                      (c) mkdir                      (d) cat                      (e) mv

**OR**

**Question – 2: Do as Directed.**

1. Explain Sort command with all the options. Explain how to sort the following file on field Salary and save the output in empsalary.txt file? 10

Empno	empname	salary
E1	Abc	12000
E2	Xyz	20000
E3	Pqr	5000

2. Explain the following commands with Explanation, syntax, example. 10

(a) Tac                      (b) ls (with all options)                      (c) touch                      (d) cp                      (e) head

**Question – 3: Do as Directed.**

1. Explain in detail how to manage group with command? 10
2. Explain in detail how to change the file permission and ownership? 10

**OR**

**Question – 3: Do as Directed.**

1. What is GUI? Explain KUser in detail. 10
2. How to add and remove user with commands in Linux? Explain with example. 10

**Question – 4: Do as Directed.**

1. Explain FTP Server fundamentals in detail. 10
2. How to configure samba server? 10

**OR**

**Question – 4: Do as Directed.**

1. Write a note on DNS. 10
2. What is IP? Explain IP addressing with class and mask. 10

P.T.O

**Question – 5: Do as Directed.**

1. What is VI Editor? How many modes are there in VI Editor? Explain 5 commands used in VI Editor. 10
2. Explain Shell Script with the help of following example. 10
  - a. Take marks for 3 subjects, marks are out of 100.
  - b. Make a total of them.
  - c. Calculate percentage.
  - d. Display class of a student. (Class is calculated as per MKB University).

**OR**

**Question – 5: Do as Directed.**

1. What is Shell? How many types of shell are there? Explain any one in detail. 10
2. Write a shell Script for the following output. 10
  - 1
  - 1 0
  - 1 0 1
  - 1 0 1 0