

**Shree Manibhai Virani and Smt. Navalben Virani Science College (Autonomous), Rajkot**  
Affiliated to Saurashtra University, Rajkot

**SEMESTER END EXAMINATION NOVEMBER - 2017**

**Bachelor of Computer Application / B.Sc. Information Technology**

**16UCACC12 / 16UITCC12 – OPERATING SYSTEM CONCEPT WITH UNIX/LINUX**

*Duration of Exam – 3 hrs*

*Semester – III*

*Max. Marks – 70*

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**Part A (10x1= 10 marks)**

Answer **ALL** questions

1. How to run process in background mode in unix
2. Explain SHELL system variable in unix.
3. Who is the founder of linux operating system
4. Give the command to install any RPM
5. How to create user account in linux give the command
6. Explain read and echo function in shell script
7. What is physical memory and virtual memory
8. What is operating system and give the architecture of operating system.
9. Explain batch command in unix
10. What is variables and how to declare variable in unix

**Part B (5x5= 25 marks)**

Answer **ALL** questions

11a. Write short note PSTD

**OR**

11b. Explain concept of I/O redirection and piping

12a. Explain types of operating system

**OR**

12b. Write short note WINE in linux

13a. Give the syntax for looping structure

**OR**

13b. Write a short note on vi editor

14a. Explain logical operator

**OR**

14b. Explain any five system variables

15a. Explain batch and cron command in unix

**OR**

15b. Explain wall ,write and mail command

**Part C (5x7= 35 marks)**

Answer **ALL** questions

16a. Write a shell script to move a file.

**OR**

16b. Write a shell script to find factorial number of any input number

17a. Write steps to configure samba server in linux

**OR**

17b. Write short note on APACHE server in linux

18a. Give the features of linux operating system

**OR**

18b. Explain command for finding patterns in files

19a. What is memory management explain in detail

**OR**

19b. What is paging explain in detail

20a. Explain commands for comparing files

**OR**

20b. Explain command for sorting a files

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