

Seat No.	
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**B.C.A. (Faculty of Commerce) (Part - III) (Semester - VI) (Revised)**  
**Examination, October - 2018**  
**LINUX OPERATING SYSTEM**  
**Sub. Code: 66424**

**Day and Date : Wednesday, 31 - 10 - 2018**

**Total Marks : 80**

**Time : 10:30 a.m. to 1.30 p.m.**

- Instructions :**
- 1) Solve any **FOUR** questions from Q.1 to Q.7.
  - 2) **Q.8 is compulsory.**

- Q1) a)** Define operating system. & Explain various functions of Operating System. [8]  
b) Discuss about History and Development of LINUX. [8]
- Q2) a)** Explain the Architecture of LINUX operating system in detail. [8]  
b) State and explain characteristics of LINUX. [8]
- Q3) a)** What is Shell? Explain shell interface in detail. [8]  
b) State and explain various types of Shell. [8]
- Q4)** State and explain any four file management commands in LINUX. [16]
- Q5) a)** Discuss about use of vi editor and its features. [8]  
b) Explain file system structure of LINUX in detail. [8]
- Q6) a)** Explain grep command in detail. [8]  
b) What is Shell script? And Explain how to create a shell script in LINUX. [8]

**P.T.O.**

- Q7)** a) Write a shell script to check entered number is palindrome or not. [8]  
b) Write a shell script to print reverse of a entered number. [8]

**Q8)** Write a note on (Any two): [16]

- a) Linux File types
- b) Command line argument
- c) Modes of Vi editor
- d) Directory handling commands

