

(i) Printed Pages: 2

Roll No.

(ii) Questions : 9

Sub. Code :

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Exam. Code :

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**Bachelor of Computer Applications 4th Semester
(2053)**

OPERATING SYSTEM CONCEPTS AND LINUX

Paper : BCA-16-404

Time Allowed : Three Hours]

[Maximum Marks : 65

Note :—Attempt **ONE** question each from Sections A to D.
Question No. 9 (Section E) is compulsory. All questions
carry equal marks.

SECTION—A

1. What do you mean by CPU Scheduling ? Explain the concept of Multilevel Queue Scheduling and Multilevel Feedback Queue Scheduling. 13
2. What do you mean by Operating System ? Explain different types of Operating Systems. 13

SECTION—B

3. What do you understand by Virtual Memory ? Write down the use of demand paging in virtual memory. 13
4. What do you mean by deadlock ? Describe different types of deadlock handling methods with examples. 13

SECTION—C

5. Compare and contrast redirection and piping in LINUX. 13
6. What is permission ? How can you change permissions in LINUX ? 13

SECTION—D

7. What do you mean by vi editor ? Discuss the features of vi editor. 13
8. What do you understand by system administration ? Describe the duties of super user in LINUX. 13

SECTION—E

(Compulsory Question)

9. Write short notes on the following :
- (a) ps command 3
 - (b) pwd command 3
 - (c) distributed systems 3
 - (d) swapping 3
 - (e) PCB. 1