(i) **Printed Pages: 2**

(ii) **Questions** : 9

Roll No. ....

Sub. Code : | 0 | 9 | 4 | 0 |

Exam. Code : | 0 | 0 | 3 | 0 |

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

2