

Roll No. ....

UNIT - I

97669

BCA 3rd Semester  
Examination – December, 2022

INTRODUCTION TO OPERATING SYSTEM

Paper : BCA-201

Time : Three Hours ]

Maximum Marks : 80

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note: Attempt five questions in all, selecting one question from each Unit. Question No. 1 is compulsory.

1. Write short note on following : 16

- (i) Operating system
- (ii) FCFS
- (iii) Paging
- (iv) Disk structure

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2. Explain the following . 16

- (i) Distributed System
- (ii) Real Time System

3. Give a complete description about Inter-process communication. 16

UNIT - II

4. Define deadlock and its characteristics. Also explain about Banker's algorithm. 16

5. Define CPU scheduling and scheduling criteria. Also explain about Round Robin and queue algorithm. 16

UNIT - III

6. Explain the following : 16

- (i) Segmentation
- (ii) Swapping

7. Define paging. Explain page replacement algorithms in detail. 16

**UNIT - IV**

8. What do you understand by free space management  
Explain in detail 16
9. Define Disk structure Explain the following 16
- (i) C-Scan
  - (ii) C-Look

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