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Total No. of Questions : 9 ] [ Total No. of Pages : 3

**97669**

**B.C.A. 3rd Semester (New) (Full & Reappear)  
Examination, March-2021**

**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 from each Unit. Question No. 1 is compulsory.

1. Explain the following :

- (i) Real time systems
- (ii) FCFS
- (iii) Swapping
- (iv) C-Look

16

**Unit-I** 16 each

2. Define Operating System. Explain its need and functions in detail.

3. Describe the following :

(i) Operation on processes

(ii) Inter-process communication

**Unit-II** 16 each

4. Define CPU Scheduling. Explain scheduling algorithms in detail.

5. Define Deadlocks. Explain different methods for handling deadlocks.

**Unit-III** 16 each

6. Explain the following :

(i) Segmentation

(ii) Paging

7. Describe the concept of virtual memory in detail.

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**Unit-IV** 16 each

8. Define File. Explain file allocation methods in detail.

9. Explain in detail about Disk Scheduling.

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