

Roll No. :

Total No. of Questions : 9]

[Total No. of Pages : 3

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**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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RD-563**Unit-IV**

16 each

8. Define File. Explain file allocation methods in detail.
9. Explain in detail about Disk Scheduling.

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