

Roll No. :

Total No. of Pages : 3

BCA-203

B.C.A. IInd Year Examination, 2022

FUNDAMENTALS OF OPERATING SYSTEM

Paper-III

Time Allowed : 1½ Hours

Maximum Marks : 100

Part-A

[Marks : 30]

Note :- Answer all questions (50 words each). All questions carry equal marks.

Part-B

[Marks : 70]

Note :- Answer any two questions (250 words each). All questions carry equal marks.

Part-A

1. (i) Define Distributed System.
- (ii) Define Time Sharing Operating System.

- (iii) Define Kernal.
- (iv) Define Scheduler.
- (v) Define Interprocess Communication.
- (vi) What is Response Time ?
- (vii) What is Deadlock ?
- (viii) What is Paging ?
- (ix) Define Segmentation.
- (x) What is Semaphore ?

Part-B

2. What are System Calls ? Explain the different categories of System Call with example.
3. List out different services of Operating System and explain.
4. What do you mean by PCB ? Explain.
5. Explain scheduling criteria used to compare scheduling algorithms.

6. Explain deadlock detection and recovery from deadlocks.
7. What are Semaphores ? Explain.
8. Explain Swapping and Paging.
9. Explain Virtual Memory Mechanism in detail.