

SECTION—D

7. What is meant by deadlocks ? How are they handled ?
8. Describe deadlock prevention and avoidance.

Exam. Code : 107205

Subject Code : 1697

Bachelor of Computer Application (BCA) 5th Semester
OPERATING SYSTEM
Paper—III

Time Allowed—3 Hours] [Maximum Marks—75

Note :— Attempt **FIVE** questions in all, selecting at least **ONE** question from each Section. The **fifth** question may be attempted from any Section. All questions carry equal marks.

SECTION—A

1. What is an operating system ? How does a time sharing system work ?
2. What are the states of a process ? How are the threads handled ?

SECTION—B

3. What are semaphores ? Explain how to use them.
4. Explain the segmentation briefly.

SECTION—C

5. Explain how do the page replacement algorithm work.
6. What is disk scheduling ? Explain.