



THE AMERICAN COLLEGE, MADURAI

(An Autonomous Institution Affiliated to Madurai Kamaraj University)
Re-accredited (2nd Cycle) by NAAC with Grade "A", CGPA – 3.46 on a 4-point scale

Backlog Arrear Examination, March 2021

Course Code: BCA 1424/1524

Marks: 75 Marks

Course Title: Operating System with Unix

Time: 3 Hrs.

PART – A

Answer any FIVE questions:

(5 x 15 = 75)

1. Discuss in detail about Process and its states with neat diagram.
2. Explain the Bankers algorithm with example.
3. Discuss in detail fixed and variable partition memory allocation with suitable diagrams.
4. Explain about Paging and segmentation with neat diagrams
5. List and explain any Seven UNIX commands with example
6. A. Write short notes on mutual exclusion
B. Illustrate the methods of deadlock prevention.
7. Draw and explain in detail the structure of Unix operating system.
