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: BIT 2502   **Time: 3 hours**

Course Title: Operating System   **Max. Marks: 75**

Answer any five questions   **(5*15=75 marks)**

1. a) State the salient features of Unix and explain in detail.

   b) Explain the file and directory commands.

2. Explain in detail about the interprocess communication and various types of schedulers.

3. Explain FCFS scheduling algorithm and Round Robin scheduling algorithm with example.

4. Define deadlock. Explain the various deadlock Avoidance algorithm in detail.

5. Discuss in detail about contiguous and non contiguous memory allocation with neat diagram

6. Elucidate the various disk scheduling algorithms with suitable example.

7. Mention the various types of operating system and explain in detail.

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