**MARWADI EDUCATION FOUNDATION’S GROUP OF INSTITUTIONS**

**FACULTY OF COMPUTER APPLICATIONS**

**ASSIGNMENT**

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| **Branch/ Semester** | **Imca Sem-4** |
| **Subject code** | **4440603** |
| **Subject name** | **Operating System** |

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| **Sr. No.** | **Question** |
| 1 | Define Operating Systems. What are the objectives and functions of OS? |
| 2 | |  | | --- | | Draw seven state Process State Transition diagram. Explain in detail. | |
| 3 | What is thread and multithreading? Describe in brief KLT and ULT with its advantages and disadvantages. |
| 4 | |  | | --- | | Discuss Dining Philosophers Problem and its solution using semaphore. | |
| 5 | What is memory partitioning? Discuss its types, with problems and solutions. |
| 6 | What is TLB? Explain the purpose of TLB in detail. |
| 7 | |  | | --- | | Give brief description on Types of Scheduling Algorithms. | |
| 8 | What is Secondary Storage? Explain the File Allocation Methods in detail |
| 9 | Briefly explain the different RAID levels. Support your illustrations with diagram. |
| 10 | |  | | --- | | Explain different classes of Client Server architecture. What do you mean by three tier Client Server architecture? | |

Date of submission: 1st April,2019