

# DR. SPM UNIVERSITY RANCHI

Assignment for Mid Sem Exam-2020

SEM: II

PAPER: C 4

SUBJECT: IT/OPERATING SYSTEM

**Candidates are required to give their answers in their own Handwritten.**

**Answer any four Questions of the following:**

1. What is an Operating System? Explain different types of operating system.
2. Explain DMA. Clearly explain the DMA structured in details.
3. What are system calls? Explain the different categories of the system calls. .
4. State and explain the different types of CPU scheduling algorithms with example.
5. What are the different disk scheduling algorithms explain.
6. Name the different file allocation methods. Explain the linked allocation of file implementation with merits and demerits.