

B. TECH. (COMPUTER SCIENCE & BUSINESS SYSTEMS) (CBCS - 2018 COURSE)

Computer Science & Business Systems

B.Tech. (CSBS) Sem - IV :SUMMER : 2023

SUBJECT : OPERATING SYSTEMS

Day : Tuesday

Time : 10:00 AM-01:00 PM

Date : 23-05-2023

S-20452-2023

Max. Marks : 60

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Use of nonprogrammable calculators is allowed.

- Q.1 What is system call in Operating System? Explain System Calls. (10)
- OR**
- Q.1 Explain Interrupts in Operating System. (10)
- Q.2 What is Thread? Explain Concurrency and Parallelism. (10)
- OR**
- Q.2 Explain Multicore programming. (10)
- Q.3 Explain Priority Scheduling. (10)
- OR**
- Q.3 Explain Priority Scheduling. (10)
- Q.4 Explain classical IPC problems. (10)
- OR**
- Q.4 Explain Deadlock. How to Deadlock Avoided by Banker's algorithm. (10)
- Q.5 Explain Paging, Page fault and Demand Paging. (10)
- OR**
- Q.5 Explain Page Replacement algorithms. (10)
- Q.6 Explain Allocation methods (contiguous, linked, indexed). (10)
- OR**
- Q.6 Explain Disk Management. (10)

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