

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Tech.(ECE) (Sem.-6)

OPERATING SYSTEMS

Subject Code : BTCS-401

M.Code : 71120

Date of Examination : 02-07-22

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A

1. Answer briefly :

- a) Turnaround Time
- b) Seek Time
- c) Page Fault
- d) Physical Address
- e) Non-Preemptive
- f) Static Linking
- g) Software Trap
- h) External Fragmentation
- i) Shell
- j) Synchronization

SECTION-B

2. What is segmentation? Explain segmentation with paging.
3. What is a deadlock? How it is avoided?
4. What is round robin scheduling? Explain it with the help of an example.
5. What is a threat? Differentiate between system and program threat.
6. What is process synchronization? Explain any two algorithms of it.

SECTION-C

7. What is disk scheduling? Explain SCAN and C-SCAN algorithms.
8. Define Operating Systems. Explain its functions and types.
9. Differentiate between LRU and optimal replacement algorithms with the help of an example.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.