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Total No. of Pages: 02
Total No. of Questions: 09

B. Tech. (ECE, ETE) (Sem.-6th)
OPERATING SYSTEM
Subject Code: BTCS-401
Paper ID: [A2314]

Time: 3 Hrs.

Max. Marks: 60

INSTRUCTIONS TO CANDIDATE:

1. Section-A is compulsory.
2. Attempt any four question from Section-B.
3. Attempt any two question from Section-C.

SECTION-A

- Q1.
- a) Snoop bus mechanism.
 - b) Write policy
 - c) Overlays
 - d) LIFO v/s FIFO
 - e) Load control
 - f) Directory implementation
 - g) Race condition
 - h) Preemption
 - i) Dynamic loading
 - j) Semaphore

SECTION-B

- Q2. Explain demand paging.
- Q3. Explain the need of virtual memory?
- Q4. What is meant by load control? Explain various methods of controlling load?
- Q5. What is meant by fragmentation? How is it achieved in LINUX operating system?
- Q6. Compare round robin scheduling and multilevel queue scheduling?

SECTION-C

- Q7. What is meant by synchronization? Explain various methods of is done in operating systems.
- Q8. What is meant by a deadlock? What are the various mechanism to remove deadlock? Explain giving examples?
- Q9. Explain various device management policies?

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