

OCTOBER 2013

U/ID 46436/UCCF

Time : Three hours

Maximum : 100 marks

PART A — (10 × 3 = 30 marks)

Answer any TEN questions.

All questions carry equal marks.

Each answer should not exceed 50 words.

1. What is access domain?

Access domain என்றால் என்ன?

2. What are the two types of COMPARE operation?

COMPARE செயலின் இரண்டு வகைகள் யாவை?

3. What is mean by dynamic debugging?

Dynamic debugging என்றால் என்ன?

4. Define sub routine.

Sub routine வரையறு.

5. What is interrupts?

Interrupts என்றால் என்ன?

6. Define segmentation.

Segmentation வரையறு.

7. What is deadlock?

Deadlock என்றால் என்ன?

8. What is a semaphore?
Semaphore என்றால் என்ன?
9. Define: address space.
Address space – வரையறு.
10. Define : starvation.
Starvation – வரையறு.
11. Describe resource allocation graph.
Resource allocation graph வரையறு.
12. What is Thread?
Thread என்றால் என்ன?

PART B — (5 × 6 = 30 marks)

Answer any FIVE questions.

All questions carry equal marks.

Each answer should not exceed 250 words.

13. How the system can be recovered from the deadlock? Explain.
Deadlockன் போது ஒரு system எப்படி மீட்கப்படுகிறது?
விவரி.

14. Write notes on any two page replacement algorithm.
ஏதேனும் இரண்டு replacement algorithm பற்றி விவரி.
15. Explain briefly about polling.
Polling பற்றி சுருக்கமாக விளக்குக.
16. Explain about synchronization-problem.
Synchronization-problem விளக்குக
17. Write short notes on Viruses.
Virusesஐ பற்றி சுருக்கமாக எழுதுக.
18. Explain about multiple interrupts.
Multiple interrupts விளக்குக.
19. Explain the security problems.
Security problems விளக்குக.

PART C — (4 × 10 = 40 marks)

Answer any FOUR questions.

All questions carry equal marks.

Each answer should not exceed 500 words.

20. Explain problems on implementing 8085 interrupts.
Problems on implementing 8085 interrupts விளக்குக.

21. Explain the scheduling criteria.
Scheduling criteria விளக்குக.
 22. Explain internal and external fragmentation.
Internal and external fragmentation விளக்குக.
 23. Explain dynamic debugging.
Dynamic debugging விளக்குக.
 24. Explain about application 10 interface.
Application 10 interface விளக்குக.
 25. Explain Inter process communication.
Inter process communication விளக்குக.
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