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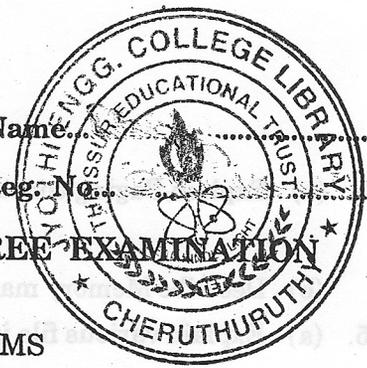
Name

Reg. No

FIFTH SEMESTER B.TECH (ENGINEERING) DEGREE EXAMINATION  
OCTOBER 2011

CS/ IT/ PTCS 09 504—OPERATING SYSTEMS

(2009 Admissions)



Time : Three Hours

Maximum : 70 Marks

**Part A**

*Answer all the questions.*

1. What is an operating system ?
2. Define Thread. What is a process ?
3. List out some of the storage devices ?
4. What is segmentation ?
5. What are the different file allocation methods ?

(5 × 2 = 10 marks)

**Part B**

*Answer any four questions.*

6. Explain operating system services. ✓
7. List out characteristic of an operating system.
8. Explain deadlock prevention. ✓
9. Describe in detail about virtual memory concept.
10. Explain different operations in a file.
11. Discuss directory implementation in OS.

(4 × 5 = 20 marks)

**Part C**

*Answer all the questions.*

12. (a) Explain various operating system components.

*Or*

- (b) Explain storage devices in operating system.

13. (a) Discuss in detail process management.

*Or*

- (b) Describe deadlock detection and Recovery.

Turn over

14. (a) Explain Paging concept in OS.

Or

(b) Describe Memory management concept and its issues.

15. (a) Explain various file implementation techniques.

Or

(b) Discuss protection and security of directories and their implementation.

(4 × 10 = 40 marks)

Part A

Answer all the questions

Part B

Answer any four questions

Part C

Answer all the questions

12. (a) Explain various operating system components.

Or

(b) Explain storage devices in operating system.

13. (a) Discuss in detail process management.

Or

(b) Describe deadlock detection and Recovery.

Turn over