

D 23468

Name

Reg. No.



**FIFTH SEMESTER B.TECH. (ENGINEERING) DEGREE EXAMINATION  
DECEMBER 2011**

**CS/IT 04 503—OPERATING SYSTEMS**  
(2004 Admissions)

Time : Three Hours

Maximum : 100 Marks

**Part A**

*Answer all questions.*

- I. (a) Brief about resources.  
(b) Define and explain device drivers.  
(c) Write about process address space.  
(d) What is process management ? Explain.  
(e) Brief about memory allocation.  
(f) Explain in brief about dynamic relocation.  
(g) What is a storage abstraction ? Explain.  
(h) Define and explain protection.

(8 × 5 = 40 marks)

**Part B**

- II. (a) Detail the characteristics of devices and controllers.  
*Or*  
(b) Discuss the device management approaches.
- III. (a) Detail about scheduling mechanisms and various strategies.

*Or*

- (b) Explain about interacting and coordinating processes.
- IV. (a) Discuss in detail about various management strategies.

*Or*

- (b) Discuss about segmentation.
- V. (a) Explain the file management and its implementation.

*Or*

- (b) Detail the policy and mechanism and authentication.

(4 × 15 = 60 marks)