

BTCSVI

Term-End Examination

June, 2012

BICS-019 : OPERATING SYSTEMS

01795

Time : 3 hours

Maximum Marks : 70

Note : Attempt any seven questions.

Each question carries equal marks.

1. Illustrate with an example the threads in Operating System. 10
2. What are drivers ? Briefly explain device management techniques. 2+8
3. Define abstraction. Explain process and resource abstraction in detail. 2+8
4. Describe scheduling mechanism in detail. 10
5. Describe the following : 5+5
 - (a) Semaphores
 - (b) Synchronization

6. Explain handling of allocation and re - allocation techniques in Operating System. 10
 7. What is Virtual Memory ? Briefly explain Implementation of Segmentation systems. 2+8
 8. Define Paging. Explain Paging algorithms in detail. 2+8
 9. Describe importance of protection and security in file management. 10
 10. Write short notes on *any two* of the following : 2x5=10
 - (a) Authentication
 - (b) Storage abstractions
 - (c) Unix kernal file system.
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