

Roll No.

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Total No. of Pages : 02

Total No. of Questions : 07

BCA (2011 & Onward) (Sem.-4)

OPERATING SYSTEMS

Subject Code : BSBC-403

Paper ID : [B0242]

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains SIX questions carrying TEN marks each and a student has to attempt any FOUR questions.

SECTION-A**I. Write short notes on :**

- (a) What are Application Programs?
 - (b) What is Time Sharing Operating Systems?
 - (c) What is Synchronization?
 - (d) What do you mean by Thread Scheduling?
 - (e) What is Paging and Segmentation?
 - (f) List any two I/O devices and controllers.
 - (g) What is Address Binding?
 - (h) What is VIRUS? What are its types?
 - (i) What is Encryption?
 - (j) What is the need for Firewall?
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SECTION-B

2. Explain classification of Operating Systems with proper example.
 3. Write short notes on :
 - (a) Thread Management
 - (b) Program vs. Process
 4. What is Virtual Memory? What is the concept of Virtual Memory? Discuss various advantages and disadvantages of virtual memory.
 5. Write short Notes on :
 - (a) Remote File Systems
 - (b) Various Access Methods
 6. What is Paging? Explain hardware support for Paging. How it is different from segmentation?
 7. Explain the following : a2zpapers.com
 - (a) Application Security and Attacks.
 - (b) What is the difference between Anti-virus and Firewall?
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