

No. of Printed Pages : 03

Roll No.

CC-683

M.C.A. EXAMINATION, May 2017

(Third Semester)

(B. Scheme) (Re-appear Only)

OPERATING SYSTEM

MCA-505

Time : 3 Hours]

[Maximum Marks : 75

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note : Attempt *Five* questions in all, selecting at least *one* question from each Unit. All questions carry equal marks.

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P.T.O.

Unit I

1. Differentiate between the following :
 - (a) Multiuser Vs. multiprogramming O/S
 - (b) Distributed Vs. Network O/S. **15**
2. Explain operating system architecture. **15**

Unit II

3. What are different operations, which can be applied on processes ? Also explain different scheduling criteria in O/S. **15**
4. What is priority scheduling ? Also explain multilevel queue scheduling. **15**

Unit III

5. What is virtual memory ? Explain different virtual memory management schemes in O/S. **15**
6. What is difference between logical and physical address space ? Explain demand segmentation. **15**

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Unit IV

7. What is File ? Explain different file access methods. Also explain directory structure available in O/S **15**
8. Explain the following :
 - (a) Deadlock avoidance and recovery
 - (b) Critical section problem. **15**

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