

No. of Printed Pages : 03

Roll No.

E-1

B. Tech. EXAMINATION, Dec. 2017

(Fifth Semester)

(B. Scheme) (Main & Re-appear)

(CSE)

CSE-301-B

OPERATING SYSTEMS

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.

(3-23/15)M-E-1

P.T.O.

Unit I

1. Explain various operating system services. **15**
2. What is the difference between system calls and system programmes ? Differentiate between distributed and network O/S. **15**

Unit II

3. Why is scheduling needed in O/S ? Explain and compare different CPU scheduling algorithms with example. **15**
4. Explain multilevel queue scheduling in detail. **15**

Unit III

5. What is difference between logical and physical address space ? Explain demand segmentation. **15**
6. What is Fragmentation ? Explain its different variants. Also explain distributed file system. **15**

Unit IV

7. What is process-synchronization ? Explain Performance issues in I/O system also. **15**
8. What is a Shell ? Explain shell interpreter in Unix O/S in detail. **15**