

Total No. of Printed Pages:2

SUBJECT CODE NO:- H-1603
FACULTY OF SCIENCE AND TECHNOLOGY
M.E. (Comp. Sci. & Engg.)
Internal of Operating System
(REVISED)

[Time: Three Hours]

[Max.Marks: 80]

Please check whether you have got the right question paper.

- N.B
1. Solve any two questions from each section.
 2. Assume suitable data if necessary.

Section A

- | | | |
|-----|---|----|
| Q.1 | a) Explain memory management in windows? | 10 |
| | b) Explain thread lifecycle? How threads are managed in windows? | 10 |
| Q.2 | a) What is inode in Linux? What is maximum file size supported by Linux and how it is decided? | 06 |
| | b) How interprocess communication is carried out in Linux? | 07 |
| | c) Explain scheduling in Linux? | 07 |
| Q.3 | Write short note: (any two)
i) Windows Azure Architecture
ii) Fabric controller Availability
iii) Azure Hypervisor | 20 |

Section B

- | | | |
|-----|--|----|
| Q.4 | a) What is multicore technology? Explain multi micro Kernel OS for multicore? | 10 |
| | b) Describe shared memory management in multiprocessor system with neat diagram. | 10 |
| Q.5 | a) What is OS security? Describe different criteria used for trusted computer system evaluation. | 07 |
| | b) Describe different components of Linux security? | 07 |
| | c) Write short note on windows auditing mechanism. | 06 |

Q.6 Write short note (any two)

- i) RT Linux Kernel Vs Linux Kernel
- ii) Design issues of EOS
- iii) QNX
- iv) Windows CE