CODE NO:- K-8003
FACULTY OF ENGINEERING AND TECHNOLOGY
M.E.(Computer Science Engg.) Examination Nov/Dec 2015
Internal of Operating System
(Revised)

[Time: Three Hours]   [Max. Marks: 80]

"Please check whether you have got the right question paper."
N.B   i) Solve any two question from each section
                       ii) Assume suitable data if necessary & state it clearly

SECTION-A

Q1.	a)	Explain the architecture of windows operating system in detail	10
	b)	Explain process management in windows elaborate windows process object?	10
Q.2	a)	Explain the execution of interrupts in Linux? Describe Top half & bottom half structure in Linux interrupts	10
	b)	Explain the role of process manager in Linux with diagram.	10

Q.3   Write short note (any two)   20
         i)   Life cycle of windows Azure
         ii)   Azure hypervisor
         iii)   Thread management in windows
         iv)   Inter process communication in Linux
         v)   Architecture of Linux OS.

SECTION-B

Q.4	a)	Explain the parallelization process in detail. Elaborate goals of parallelization process.	10
	b)	Describe the generic diagram of multi core processor system In detail	10
Q.5	a)	Compare & contrast security auditing mechanism in windows and Linux	10
	b)	Discuss security rating in detail. How to decide trusted computer system.	10

Q.6   Write short note (any two)   20
         i)   RTOS
         ii)   Design issues of EOS
         iii)   RT Linux
         iv)   Resource management in multi kernel OS.
         v)   Windows security Vs Linux security