SUBJECT CODE NO:- E-8003
FACULTY OF ENGINEERING AND TECHNOLOGY
M.E. (Comp.Sci. & Engg.) Examination Nov/Dec 2017
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 file system in Linux in detail.	10
	b)	Justify the need of wait queues in Linux with its detail of declaring, initializing, insertion, Deletion	10
Q.2	a)	Discuss Kernel mode Vs User mode in Windows OS.	10
	b)	Explain the Windows azure architecture. How it is different from Windows.	10

Q.3 Write Short note on 20
   i) Vendors security laws
   ii) Virtualizing windows server for azure
   iii) Service and data reliance on cloud computing vendors.
   iv) Assuring fabric controller availability.

Section B

Q.4	a)	Explain point to point synchronization & Global barrier synchronization	10
	b)	List various parallel processor architectures and explain architectural and technology trends.	10

Q.5 Write short notes on 20
   i) QNX
   ii) Windows CE
   iii) RT Linux
   iv) VX Works

Q.6	a)	Discuss different design challenges in embedded OS. Differentiate RT Linux and Linux	10
	b)	Differentiate between Windows and Linux Security.	10

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