Code No: **R41054**   **R10**   Set No. 1

IV B.Tech I Semester Supplementary Examinations, February/March - 2018
MOBILE COMPUTING
(Common to Computer Science and Engineering and Information Technology)

Time: 3 hours   Max. Marks: 75

Answer any FIVE Questions
All Questions carry equal marks
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1	a)	Write about Line-of Sight, Attenuation, Scattering, Diffraction and Reflection with respect to propagation of signals.	[8]
	b)	What is the importance of modulation? Discuss various digital modulation techniques.	[7]
2	a)	Write some of the features of Windows CE based smart devices and Mac Os 4 Based smart devices.	[8]
	b)	Explain how to implement handover mechanism in mobile TCP.	[7]
3	a)	Draw and explain the architecture which integrates tele services, bearer services and supplementary services in GSM System.	[8]
	b)	What is multiplexing? Explain various multiplexing techniques used in Radio interfaces of GSM.	[7]
4	a)	Write a short notes on CDMA 3G Communication standards.	[8]
	b)	With neat sketch explain the protocol layers between WCDA and BTS.	[7]
5	a)	Explain the process of data encoding and decoding at layers in TCP/IP model.	[8]
	b)	Discuss about agent discovery, agent advertisement and solicitation with respect to location management.	[7]
6	a)	Explain the process of synchronization in mobile Computing Systems in different cases.	[8]
	b)	What is aglet? Draw and explain the application-server-based N-tier architecture.	[7]
7	a)	Differentiate fixed infrastructure network architecture and mobile ad-hoc network architecture with diagrams.	[8]
	b)	Explain the architecture of Wireless Sensor Network and discuss the applications of it.	[7]
8	a)	With neat sketch explain the Wireless LAN architecture and its configurations.	[8]
	b)	What is the importance of Wireless Markup Language? Explain WML script.	[7]