

i) Service Discovery

CBCS SCHEME

16/17MCA451

Fourth Semester MCA Degree Examination, Dec.2019/Jan.2020 Wireless Communications and Mobile Technologies

Time: 3 hrs.

Max. Marks: 80

Note: Answer FIVE full questions, choosing ONE full question from each module.

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		Module-1	
1	a.	Explain about Handheld pocket computers and list the features.	(08 Marks)
	b.	Discuss the limitations of mobile devices.	(08 Marks)
OR			
2	a.	Explain Synchronous, Asynchronous data and synchronous packet transmissions.	(08 Marks)
	b.	What is Handover? Explain Handovers in GSM.	(08' Marks)
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Module-2			
3	a.	Explain ALOHA and CSMA.	(08 Marks)
	b.	Explain Medium Access Control for exposed and hidden terminals.	(08 Marks)
		OR	
4	a.	Explain Data rate matching and block interleaving in IS-95 CDMA one system.	(08 Marks)
	b.	Explain OFDM with channel carries and applications.	(08 Marks)
		Module-3	(00 % //)
5	a.	Explain Location management in Mobile IP network layer.	(08 Marks)
	b.	Describe the encapsulation by additional IP header of an IP packet.	(08 Marks)
,		Contained to the second of the TCD for stigns in mobile transport layer	(00 Mayles)
6	a.	Explain the snooping TCP functions in mobile transport layer.	(08 Marks) (08 Marks)
	b.	Describe the ACID rules used in Transactional models.	(vo marks)
		Module-4	
7		Explain pull based data delivery mechanism.	(08 Marks)
7	a. b.	Discuss Directory method and Hash-Based method.	(08 Marks)
	υ.	Discuss Directory method and mash-based method.	(00 Marks)
OR			
8	a.	Describe the characteristics of digital Audio broadcasting.	(08 Marks)
O	b.	Describe the characteristics of Digital Video broadcasting.	(08 Marks)
	υ.	peser for the outstands of bights video distances.	
		Module-5	
9	a.	Explain the different types of Synchronization.	(08 Marks)
	b.	Explain Synchronization protocols in mobile computing systems.	(08 Marks)
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OR			
10	a.	Explain the features of a file system for a mobile computing system.	(08 Marks)
	b.	Write a note on any two of the following:	
	30 0	Samina Disastery ii) ZingPoo iii) I2ME iv) Palmos	(08 Marks)

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iii) J2ME

iv) Palmos.

(08 Marks)

ii) ZingBee