Total	No.	of Questions : 8]			
PD4	463	[Total No. of Pages : 2			
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B.E. (Electronics & Telecommunication)					
MOBILE COMPUTING					
	(20	19 Pattern) (Semester - VIII) (Elective - V) (404191(E))			
Time	: 21/2	Hours] [Max. Marks : 70			
		es to the candidates;			
	<i>1</i>)	Answer Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6, Q.7 or Q.8.			
	<i>2</i>)	Neat diagrams must be drawn wherever necessary.			
	<i>3</i>)	Figures to the right side indicate full marks.			
	<i>4</i>)	Use of Calculator is allowed.			
	<i>5</i>)	Assume Suitable data if necessary.			
		95.			
Q 1)	a)	Compare proactive routing protocols with reactive routing protocols.[6]			
	b) \	Explain DHCP protocol with suitable diagram. [6]			
	c)	What is hybrid routing? Explain zone routing protocol (ZRP) with suitable			
		diagram. [6]			
		OR			
<i>Q2</i>)	a)	Explain with suitable data flow diagram, client initialization via DHCP.[6]			
	b)	Compare MANET and VANET. [6]			
	c)	What is Reactive Routing Protocol in MANET? Describe DSR and AODV			
		Routing Protocols. [6]			
()2)	۵) ﴿	Explain the principle of expertion of Indirect TCD State its advantages			
Q3)	a)	Explain the principle of operation of Indirect TCP. State its advantages			
	7	and disadvantages. [9]			

b) Why and when encapsulation is needed? Dist different methods of encapsulation and explain any one of them [8]

OR

- Q4) a) Explain snooping TCP with proper diagram. List its advantages and disadvantages. [9]
 - b) Write short note on mobile-TCP. List its advantages and disadvantages.[8]

Q_{5}	a)	Compare wideband and narrowband channels.	[6]
	b)	State and Explain the Types of fading channels.	[6]
	c)	Write a note on Rician fading.	[6]
		OR	
Q6)	a)	Explain the Effect of fading in communication systems.	[6]
	b)	State and explain various methods of improving BER.	[6]
	c)	State and explain the properties of Rayleigh distribution.	[6]
<i>Q7</i>)	a)	State the features required for mobile devices to enable mobile comme	rce.
		Compare features of windows mobile OS, Android OS.	[9]
	b)	Define SDK. Write short note on Windows phone SDK, Android SI	OK,
		SiOS SDK.	[8]
		QR	
<i>Q8</i>)	a)	With neat diagram explain the structure of mobile commerce. List	the
20)	u)	pros and cons of M-commerce.	[9]
	b)	Explain in brief design issues of mobile OS.	[8]
	b)	Explain in other design issues of moone OS.	LOI
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1		Explain in brief design issues of mobile OS. *** *** *** *** *** *** ***	
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