Reg	istra	ation no:									
Total Number of Pages: 02  210 210 210 210 210 210 210 210 210											
2 <sup>nd</sup> Semester Regular/Back Examination – 2015-16  MOBILE COMPUTING  Q.CODE: W751											
210		210 210 Time: 3°Hours 210 210 Max marks: 70	210								
Answer Question No.1 which is compulsory and any five from the rest.  The figures in the right hand margin indicate marks.											
Q1 210	a) b)	Answer the following questions: What is meant by reverse tunneling? Differentiate between hidden terminal and exposed terminals with example.	(2 x 10) <sup>210</sup>								
210	c) d) e) f) g)	Differentiate between handover and handoff. What is the purpose of sniff state? What is known as mobility anchor point? What is Delivery Traffic Indication Map?  Give two advantages and two disadvantages of cellular systems with small cells.	210								
	h) i) j)	Why cellular IP cannot be used in place of mobile IP? What is the use of Phase Lock Loop (PLL)?? Differentiate between Pico net and Scatter net.									
Q2	a) b)	Explain how routing is established in Destination Sequence Distance Vector.  Explain Snooping TCP and Indirect TCP.	(5) <sup>210</sup> (5)								
Q3	a) b)	Explain tunneling and encapsulation in mobile IP. What is mobile agent? What are the different requirements for mobile agent system?	(5) (5)								
Q4	a) b)	Describe the main steps of inter-BS and inter-MSC handoff procedures.  What is WAP? Draw the WAP architecture. Discuss its advantages and disadvantages	(5)								

Q5 a) Explain the architecture of an infrastructure based IEEE802.11 wireless

b) Illustrate the difference between frequency hopping spread spectrum

LAN with suitable example.

and direct sequence spread spectrum.

(5)

(5)

<b>Q6</b>	a) b)	mechanism.						
Q7	a) b)	how does the multiple access with collision avoidance (MACA) scheme work.						
Q8	a) b) c) d)	agent with necessary packet format.  210 210 210 210 210 210 210 210 210 21						
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