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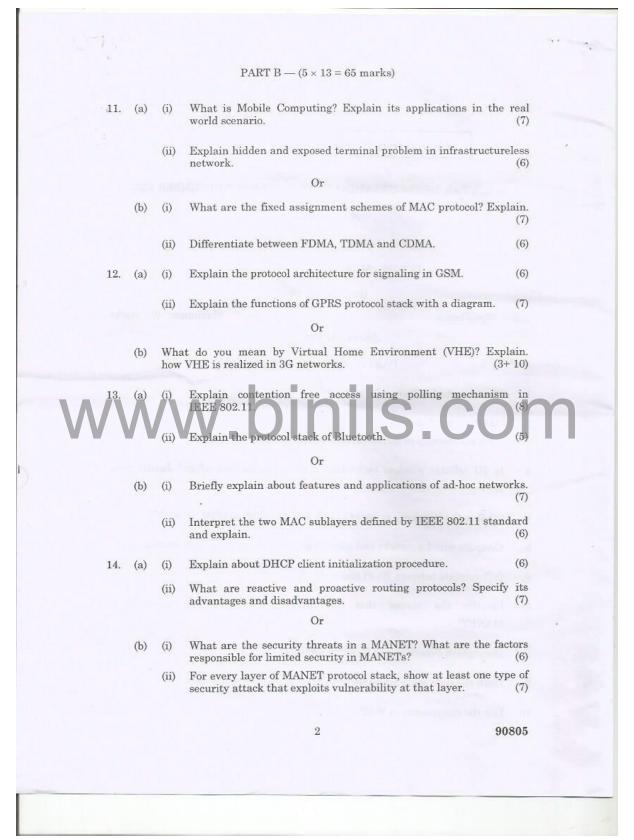
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		12
	Reg. No. :	
	Question Paper Code: 90805	
	B.E./B.Tech. DEGREE EXAMINATIONS, NOVEMBER/DECEMBER 2022	
	Sixth Semester	
	Information Technology	
	IT 8602 – MOBILE COMMUNICATION	
	(Regulations 2017)	
	Time : Three hours Maximum : 100 marks	
	Answer ALL questions.	
	PART A — $(10 \times 2 = 20 \text{ marks})$	
	Illustrate Ad hoc Networks with pictorial representation.	
V	2. "MAC protocol designed for infrastructure based wireless network may not work satisfactory in infrastructure-less environment"—Justify.	
	<ol> <li>Is 3G cellular wireless technology superior to 2G technology? Justify your answer.</li> </ol>	
	4. What is the frequency range of uplink and downlink in GSM network?	
	5. Compare wired networks and adhoc wireless networks based on routing.	
	6. Differentiate between Wi-Fi and WiMAX.	
	7. Identify the issues that are addressed by routing protocol in MANET?	
	8. Distinguish Proactive and Reactive protocols.	
	9. Draw the time sequence chart for WSP/B session termination.	
**	10. List the components in WAP.	

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Draw and explain the logical model of wireless application environment. 15. (a) OrElaborately discuss about the functions of (b) Indirect TCP (4) Snooping TCP (4) (iii) Mobile TCP PART C —  $(1 \times 15 = 15 \text{ marks})$ Consider the network given below. Here 'S' is source node and 'D' is 16. (a) target node, Illustrate the process of route discovery, route reply, data delivery and route caching using DSR. Explain the approach. [Refer Figure. 16(a)] Apply mobile computing to design Taxi dispatcher and monitoring service. Explain the components in detail. Do mobile phones affect the human body negative? Explain your answer. 90805