Hall Ticket Number :						P_17
Code: 7G384						K-17

IV B.Tech. II Semester Supplementary Examinations January 2022

Wireless Communications & Networks

(Electronics and Communication Engineering)

Max. Marks: 70 Time: 3 Hours Answer any five full questions by choosing one question from each unit (5x14 = 70 Marks)

	<u></u>	Marks	СО	Blooms Level
	UNIT-I			
	Discuss various wireless communication systems	14M	CO1	L1
	OR			
	Explain in detail about Packet Radio Protocol	14M	CO1	L2
	UNIT-II			
	Discriminate Wireless networks and fixed telephone networks.	14M	CO2	L1
	OR			
	Explain in detail about signaling system No-7 and its services.	14M	CO2	L2
	UNIT-III			
a)	Discuss about WAP protocol	7M	CO3	L1
b)	Write about registration process of mobile IP	7M	CO3	L1
	OR			
a)	Classify and explain the encapsulations used in tunnelling.	7M	CO3	L1
b)	Explain WAP session protocol	7M	CO3	L1
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	UNIT-IV			
a)	Explain about the IEEE802.11 protocol architecture and services	7M	CO4	L2
b)	Describe Spread spectrum LANs	7M	CO4	L1
	OR			
a)	Explain the functions of Logical link control and adaptation protocol in	7M	CO4	L1
h)				L2
D)	Describe the radio specifications in Diactorii	<i>1</i> IVI	004	LZ
	UNIT-V			
a)	Explain the protocol layers in GPRS	7M	CO5	L2
b)	Discuss the short messaging service in GSM	7M	CO5	L1
	OR			
	Describe the HIPERLAN-1 with necessary diagrams.	14M	CO5	L1
	END			
	b) a) b) a) b) a) b)	UNIT-I Discuss various wireless communication systems OR Explain in detail about Packet Radio Protocol UNIT-II Discriminate Wireless networks and fixed telephone networks. OR Explain in detail about signaling system No-7 and its services. UNIT-III a) Discuss about WAP protocol b) Write about registration process of mobile IP OR a) Classify and explain the encapsulations used in tunnelling. b) Explain WAP session protocol UNIT-IV a) Explain about the IEEE802.11 protocol architecture and services b) Describe Spread spectrum LANs OR a) Explain the functions of Logical link control and adaptation protocol in Bluetooth b) Describe the radio specifications in Bluetooth UNIT-V a) Explain the protocol layers in GPRS b) Discuss the short messaging service in GSM OR Describe the HIPERLAN-1 with necessary diagrams.	UNIT-I Discuss various wireless communication systems OR Explain in detail about Packet Radio Protocol 14M UNIT-II Discriminate Wireless networks and fixed telephone networks. OR Explain in detail about signaling system No-7 and its services. 14M UNIT-III a) Discuss about WAP protocol TM OR CIUNIT-III a) Discuss about WAP protocol TM OR Classify and explain the encapsulations used in tunnelling. TM DEXPLAIN WAP session protocol TM DEXPLAIN APP SESSION PROTOCOL TM DESCRIBE Spread spectrum LANS OR a) Explain about the IEEE802.11 protocol architecture and services TM Describe Spread spectrum LANS OR a) Explain the functions of Logical link control and adaptation protocol in Bluetooth TM Describe the radio specifications in Bluetooth TM UNIT-V a) Explain the protocol layers in GPRS TM Discuss the short messaging service in GSM TM OR Describe the HIPERLAN-1 with necessary diagrams. 14M	UNIT—I Discuss various wireless communication systems OR Explain in detail about Packet Radio Protocol UNIT—II Discriminate Wireless networks and fixed telephone networks. OR Explain in detail about signaling system No-7 and its services. UNIT—II a) Discuss about WAP protocol TM CO3 b) Write about registration process of mobile IP OR a) Classify and explain the encapsulations used in tunnelling. TM CO3 b) Explain WAP session protocol TM CO3 b) Explain about the IEEE802.11 protocol architecture and services TM CO4 b) Describe Spread spectrum LANs OR 2) Explain the functions of Logical link control and adaptation protocol in Bluetooth TM CO4 b) Describe the radio specifications in Bluetooth TM CO4 co4 b) Describe the radio specifications in Bluetooth TM CO4 co5 co6 co7