

Hall Ticket Number :

R-15

Code: 5G384

IV B.Tech. II Semester Advanced Supplementary Examinations October 2020

Wireless Communication & Networks

(Electronics and Communication Engineering)

Max. Marks: 70

Time: 3 Hours

Answer all five units by choosing one question from each unit (5 x 14 = 70 Marks)

	Marks	CO	Blooms Level
UNIT-I			
1. a) Discuss various wireless communication systems	7M		VI
b) Explain the evolution of mobile radio communications	7M		II
OR			
2. a) Explain FDMA with suitable diagrams	7M		II
b) Explain packet radio protocols	7M		II
UNIT-II			
3. a) Distinguish between fixed and wireless telephone networks	6M		II
b) Explain CCS and ISDN architectures	8M		V
OR			
4. a) Explain SS7 architecture in detail	7M		V
b) Explain ATM networks with suitable figures	7M		V
UNIT-III			
5. a) Discuss about WAP protocol	7M		VI
b) Explain wireless datagram protocol with diagrams	7M		V
OR			
6. a) Classify and explain the encapsulations used in tunneling	7M		IV
b) Write about registration process of mobile IP	7M		
UNIT-IV			
7. a) Explain about the IEEE802.11 protocol architecture and services	8M		II
b) Describe Narrow band microwave LANs	6M		I
OR			
8. a) Explain the usage models in Bluetooth	8M		II
b) Describe the radio specifications in Bluetooth	6M		I
UNIT-V			
9. a) Explain the protocol layers in GPRS	7M		V
b) What is CDPD? Explain the reference architecture in CDPD	7M		I
OR			
10. a) Describe the HIPERLAN-1 with necessary diagrams.	7M		I
b) What is adhoc networking and explain in detail with suitable figures	7M		I
