

5/11/13

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B.E / B.Tech (Full Time) DEGREE END SEMESTER EXAMINATIONS, NOV/DEC 2013

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

EC527- WIRELESS NETWORK

(Regulation 2004)

Time: 3 Hours

Answer ALL Questions

Max. Marks 100

PART-A (10 x 2 = 20 Marks)

1. Define data traffic.
2. What are the fundamentals of cellular topology.
3. Define handover.
4. Explain briefly about GSM system.
5. What are the applications of IEEE 802.11 protocol.
6. Explain the features of 2G technology.
7. List the features of TD-SCDMA.
8. What is GPRS? Explain in brief.
9. What is home RF Blue tooth.
10. What is wireless ATM.

Part – B (5 x 16 = 80 marks)

11. a) Explain about the fixed-Assignment for voice oriented networks random access for data oriented networks.
12. a) i) How the UMTS has evolved from GSM, with the support of 3GPP architecture?
Explain (10)
ii) Explain about data oriented CDPD network. (6)

OR

- b) Explain in detail about MVNO.

13. a) i) Explain the architecture, standards and functional blocks of CDMA-2000. (9)
ii) Explain about HIPERLAN and HIPERLAN-2. (7)

OR

- b) i) Briefly explain about the convergent devices of 2G network. (9)
ii) Explain about wireless geolocation system. (7)

14. a) Explain the link state algorithm in detail

OR

- b) Explain AODV protocol with an example

15. a) Explain the sensor-MAC protocol in detail.

OR

- b) Explain in detail about 802.15 protocol
