

D 41403

(Pages : 2)

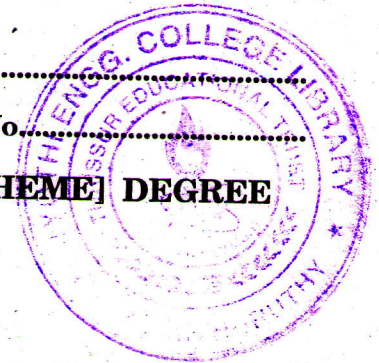
Name.....

Reg. No.....

**EIGHTH SEMESTER B.TECH. (ENGINEERING) [2014 SCHEME] DEGREE
EXAMINATION, APRIL 2018**

Electronics and Communication Engineering

EC 14 804 D—MOBILE COMPUTING



Time : Three Hours

Maximum : 100 Marks

Part A

Answer any eight questions only.

1. Explain the TDMA frame structure used in DECT.
2. Explain about the inclination angle and elevation angle of satellite.
3. State and explain the four different types of orbits.
4. What type of Direct sequence spread spectrum is used in 802.11 ?
5. Draw and explain the format of a Bluetooth packet leader.
6. How client initialization via DHCP is done ?
7. Explain about least interference routing.
8. Bring about the features of wireless transport layer security.
9. Name the standard libraries specified by WAP forum and give the function of it.
10. Explain the features of WML.

(8 × 5 = 40 marks)

Part B

11. Discuss the system architecture of GSM.

Or

12. Describe in detail about Digital audio broadcasting and GPRS transmission plane protocol reference model.
13. Discuss the IEEE-802.11 services.

Or

14. Explain about medium access control sublayer of HIPERLAN.

Turn over

15. Write a brief note on requirements of Mobile IP and Registration.

Or

16. With an example show how DSDV and DSR works.

17. With suitable block diagram explain the architecture of WAP.

Or

18. Write a note on WML script and WTP.

(4 × 15 = 60 marks)