

C 1073

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Name:

Reg. No.



**EIGHTH SEMESTER B.TECH. (ENGINEERING) [09 SCHEME] DEGREE
EXAMINATION, APRIL 2016**

IT 09 801 – MOBILE COMMUNICATION SYSTEM

Time : Three Hours

Maximum : 70 Marks

Part A

Answer all questions.

1. Define spread spectrum.
2. Differentiate TDMA and CDMA.
3. State the characteristics of cordless system.
4. Describe the Baseband specification.
5. List the requirements of the Mobile IP.

(5 × 2 = 10 marks)

Part B

Answer any four questions.

6. Explain the signal encoding techniques.
7. Write in detail about LEO 139 and NEO 140.
8. Explain the various handover mechanisms.
9. Write about the Link Manager specification in detail.
10. Explain the architecture of WAP.
11. Describe about the agent advertisement and discovery in detail.

(4 × 5 = 20 marks)

Part C

Answer all questions.

12. Explain the various modulation techniques with an example for each.
- Or*
13. Write in detail about the working of cellular networks.
 14. Write in detail about Radio interface in a Telecommunication system.
- Or*
15. Explain in detail about DECT, TETRA and MIT 2000 in detail.

Turn over

16. Explain in detail about the 802.11 protocol.

Or

17. Explain about the Infrared LANs, spread spectrum LANs and the Narrow band microwave LANs in detail.

18. Explain in detail about the working of Adhoc network.

Or

19. Explain the working of Traditional TCP, Indirect TCP and Snooping TCP in detail.

(4 × 10 = 40 marks)