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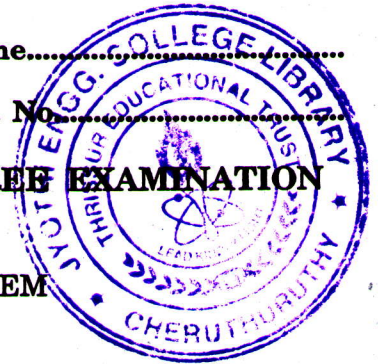
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Name.....

Reg. No.....

**EIGHTH SEMESTER B.TECH. (ENGINEERING) DEGREE EXAMINATION
APRIL 2017**

**IT 09 801—MOBILE COMMUNICATION SYSTEM
(2009 Admissions)**



Time : Three Hours

Maximum : 70 Marks

Part A

Answer all questions.

1. List the features of the third generation system.
2. Define the parameters of satellite communication.
3. Mention the security mechanism used in Telecommunication systems.
4. Mention the use of the adaptation protocol.
5. What is meant by selective retransmission ? When it is used ?

(5 × 2 = 10 marks)

Part B

Answer any four questions.

6. Explain the frequency hopping mechanism with an example.
7. With a neat sketch, explain the working of FDM and TDM techniques.
8. Write about the working of cordless systems.
9. Explain the working of the spread spectrum LANs.
10. Explain the reverse tunneling mechanism with an example.
11. Write a note on snooping TCP.

(4 × 5 = 20 marks)

Part C

12. Explain the various modulation techniques in detail.
- Or*
13. Explain the working of cellular networks in detail.

Turn over

14. With a neat sketch, explain the GSM Architecture.

Or

15. Write in detail about the working of IEEE 802.16 protocol.

16. Explain about the 802.11 protocol working in detail.

Or

17. Explain the working of the Bluetooth technology.

18. Explain the working of Adhoc networks.

Or

19. Explain the working of IPV 6 and the Dynamic host configuration protocol.

(4 × 10 = 40 marks)