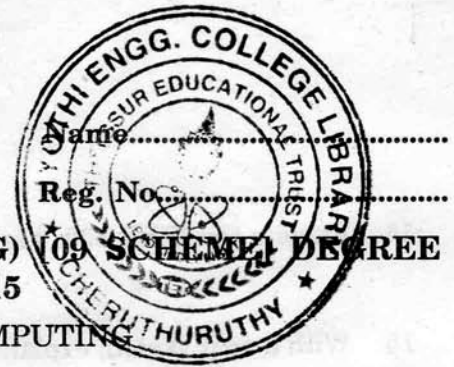


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**EIGHTH SEMESTER B.TECH. (ENGINEERING) EXAMINATION, APRIL 2015**

EC/PTEC 09 803 L 20—MOBILE COMPUTING

Time : Three Hours

Maximum : 70 Marks

**Part A**

*Answer all questions.  
Each question carries 2 marks.*

1. State the characteristics of GPRS.
2. Differentiate between soft hand-off and hard hand-off mechanisms.
3. Highlight the advantages of using the Bluetooth Technology.
4. What is meant by mobile IP ?
5. Mention the advantages of using Wireless Markup Languages.

(5 × 2 = 10 marks)

**Part B**

*Answer any four questions.  
Each question carries 5 marks.*

6. Write a note on mobility management.
7. Explain the working of HIPERLAN with its standards.
8. Explain the principle of operation involved in Adhoc networks.
9. Write about the Transport protocol used in wireless networking.
10. Explain about the working of the WAP Gateway.
11. Explain about the IEEE 802.11b standard.

(4 × 5 = 20 marks)

**Part C**

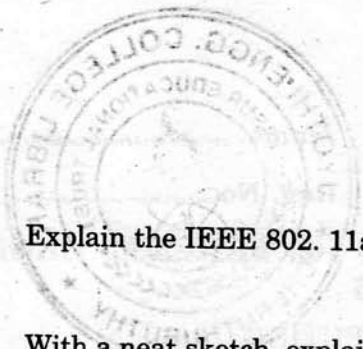
*Answer all questions.  
Each question carries 10 marks.*

12. Explain the working of FAMA and DAMA technology in detail.

Or

13. Explain the working of satellite networks with its parameters and configurations.

Turn over



14. Explain the IEEE 802. 11a standard with its application.

Or

15. With a neat sketch, explain the working of WiMAX along with its standard.

16. Explain the working of the DSDV protocol in wireless networking.

Or

17. Explain the working of the dynamic host configuration protocol.

18. Write in detail about the working of the WAP 2.0 Protocol.

Or

19. With a neat sketch, explain the WAP Architecture.

(4 × 10 = 40 marks)