



(Pages : 2)

A – 2401

Reg. No. :

Name :

**Eighth Semester B.Tech. Degree Examination, April 2016
(2008 Scheme)
08.801 : MOBILE COMPUTING (F)**

Time : 3 Hours

Max. Marks : 100

PART – A

Answer **all** questions.

1. Compare FDMA and TDMA.
2. How does a GSM network protect user data from unauthorized access ?
3. What is handover ? Explain two types of handovers.
4. Explain hidden and exposed terminal problem in the context of wireless LAN.
5. What is MANET ?
6. What are the basic transport mechanisms used by DAB ?
7. What is i-mode ?
8. Explain in brief mobile transport layer.
9. What is reverse tunneling ?
10. Explain http and html. What is https ? **(10×4=40 Marks)**

PART – B

Answer **any one** question from **each** Module.

Module – I

11. a) Explain various medium access controls available in wireless communication systems. **12**
- b) What are the main problems of signal propagation ? **8**

OR

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12. a) Explain with a neat diagram the system architecture of a GSM system. **12**
b) Explain UMTS and IMT – 2000. **8**

Module – II

13. a) Explain in detail how IEEE 802.11 provides medium access control in infrastructure and adhoc networks. **15**
b) Compare FAMA and DAMA. **5**

OR

14. a) How synchronization and power management function methods are defined in IEEE 802.11 ? **10**
b) Explain bluetooth protocol stack. **10**

Module – III

15. a) Explain the various encapsulation methods used in mobile IP. **12**
b) Explain DHCP. **8**

OR

16. a) Explain the architecture of WAP 2.0. **10**
b) Describe traditional TCP, indirect TCP, snooping TCP and mobile TCP. **10**
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