

Code: IT7T3

**IV B.Tech - I Semester – Regular/Supplementary Examinations
October - 2019**

**MOBILE COMPUTING
(INFORMATION TECHNOLOGY)**

Duration: 3 hours

Max. Marks: 70

PART – A

Answer *all* the questions. All questions carry equal marks

11 x 2 = 22 M

1.

- a) List the limitation of mobile computing.
- b) Define Carrier Sense Multiple Access (CSMA).
- c) What is Tunneling?
- d) What is Snooping TCP?
- e) Define DHCP.
- f) Define one-to-many synchronization.
- g) What is Aglets?
- h) Define MANET.
- i) List out any two challenges of a MANET.
- j) List out any two advantages of Wireless LAN over wired LAN.
- k) Define Wireless Application Environment.

PART – B

Answer any **THREE** questions. All questions carry equal marks.

3 x 16 = 48 M

2. a) Discuss about the mobile services and data services in GSM. 8 M
- b) Discuss in detail about CDMA. 8 M
3. a) Explain mechanism for IP packet delivery using mobile IP concept. 8 M
- b) Explain in details about Mobile TCP. 8 M
4. a) Explain any two usage models for synchronization in Mobile computing. 8 M
- b) Describe domain-dependent specific rules for data synchronization. 8 M
5. a) Explain in detail about properties of MANET. 12 M
- b) What are the security issues in a MANET? 4 M
6. Explain in detail about Wireless LAN (WLAN). 16 M