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Total No. of Pages: 01

Total No. of Questions: 08

M.Tech. (CSE Engg.) (Sem. – 1)

ADVANCED WIRELESS AND MOBILE NETWORKS

Subject Code: MTCS-110-18

M Code: 75160

Date of Examination : 23-01-23

Time: 3 Hrs.

Max. Marks: 60

INSTRUCTIONS TO CANDIDATES:

1. Attempt any FIVE questions out of EIGHT questions.
2. Each question carries TWELVE marks.

1. a) Give the functioning of physical layer of wireless networks?
b) Compare CDMA, FDMA and TDMA technologies for transmission of data?
2. Write the Challenges in Mobile Computing in terms of Resource poorness, Bandwidth and energy?
3. a) Discuss the specifications of IEEE 802.11 Wireless LANs?
b) What is the effect of Fading in Indoor and outdoor WLANs?
4. a) How 4G technology is beneficial for Mobile Web?
b) Compare Mobile IPv4 and Mobile IPv6?
5. What is WiMAX and how does it work? Discuss Physical layer and Media access control used in WiMAX?
6. What are DoS Security attacks? How these attacks can be identified during Wireless transmission?
7. Explain various research issues and important research area's related to vehicular ad hoc networks?
8. Define Following:
a) Bluetooth vs WiFi b) Spread spectrum Technologies

NOTE : Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.