Reg. No. : | | | | | | | | | | |

Question Paper Code: 46022

B.E. / B.Tech. DEGREE EXAMINATION, DEC 2020

Sixth Semester

Computer Science and Engineering

14UCS602 - FUNDAMENTALS OF MOBILE COMPUTING

(Regulation 2014)

Duration: 1:15hrs Maximum: 30 Marks

PART A - (6 x 1 = 6 Marks)

(Answer any six of the following questions)

1. A television broadcast is an example of _____ transmission.

   (a) simplex (b) half-duplex (c) full-duplex (d) automatic

2. The type of access used in GSM technology is

   (a) FDMA/TDMA (b) CDMA (c) OFDMA (d) SDMA

3. The _____ is used by email programs to retrieve emails from an email server.

   (a) HTTP (b) SNMP (c) ARP (d) POP

4. The process of channel coding, Encryption, Multiplexing and modulation for Trans direction and reverse for reception are to be carried out by

   (a) BTS (b) BSC (c) MSC (d) MS

5. Global Service for Mobile (GSM) uses two bands for duplex

   (a) Data (b) communications (c) Signals (d) Frames

6. The _____ provides packet mode transfer for applications that exhibit traffic patterns such as frequent transmission of small volumes

   (a) GSM (b) GPRS (c) UMTS (d) GGSN

7. Proactive is also called as _____ protocols.

(a) Table Driven (b) On demand routing (c) Vector routing (d) topology

8. Message is sent to all the nodes in the network by _____

(a) Unicasting (b) Multicasting (c) Broadcasting (d) demand routing

9. M- Commerce stands for _____.

(a) Multimode (b) Multi casting (c) Multi media (d) Mobile

10. _____ is a collection of telephony specific extensions for call and feature control mechanisms, merging data networks and voice networks..

(a) Wireless application protocol (b) File transfer protocol

(c) Wireless telephony application (d) Simple object access application

PART – B (3 x 8= 24 Marks)

(Answer any three of the following questions)

11. Explain in detail about Mobile Computing and Classify its various applications and limitations in the real world scenario. (8)

12. Explain the sliding window protocol in TCP/IP. (8)

13. Explain in detail about GSM architecture. (8)

14. Discuss DSDV routing in detail with a neat diagram. (8)

15. Explain Android platform with its features. (8)