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Question Paper Code: 59224

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

Elective

Computer Science and Engineering

15UCS924- MOBILE COMPUTING

(Regulation 2015)

Duration: 1.15 hrs

Maximum: 30 Marks

PART A - (6 x 1 = 6 Marks)

(Answer any six of the following questions)

1. The type of Access technology which can enhance the battery life is . CO1-R
(a) CDMA (b) TDMA (c) FDMA (d) None of the above
2. CTS stands for CO1-R
(a) Clear to Send (b) Capable to send (c) Both A and B (d) None of the above
3. _____ sends "Zero advertisement Message" to the sender. CO2- R
(a) Snooping TCP (b) Mobile TCP (c) Freeze TCP (d) Indirect TCP
4. Which of the following is not the part of TCP header? CO2- R
(a) Destination port (b) Checksum (c) Sequence Number (d) Source address
5. To use a network service, the service user first establishes CO3- R
a connection, uses the connection, and terminates the connection.
(a) connection-oriented (b) connection-less (c) service-oriented (d) service-less
6. MIN stands for CO3- R
(a) Mobile Identification Number (b) Mobile Internet
(c) Mobility In Network (d) None of the above
7. In the router forwards the receive packet through only one of its CO4- R
interfaces.
(a) unicasting (b) Multicasting (c) Broadcasting (d) Point to point

8. Which one of the following is the Characteristics of MANET CO4- R
 (a) Scalability (b) Dynamic Topology (c) Availability (d) Integrity
9. How to pass the data between activities in Android CO5- R
 (a) Intent (b) Content Provider
 (c) Broadcast receiver (d) None of these
10. Which of the following are essential characteristic of smartphone in cloud. CO5- R
 (a) A smartphone offers advanced calling features such as video calls or conferencing
 (b) A smart phone has a recognizable operating system.
 (c) A smartphone comes with a touchscreen
 (d) All of the mentioned

PART – B (3 x 8= 24 Marks)

(Answer any three of the following questions)

11. Detail how the hidden terminal and exposed terminal problem addressed in wireless MAC CO1- U (8)
12. Explain how the packet delivery to and from a mobile node is performed with clear definition of the key terms involved CO2- U (8)
13. What are the different types of handovers used in GSM? Explain in detail CO3-U (8)
14. Explain how the security threats in MANET are differ from wired network CO4-U (8)
15. Discuss the architecture of the Android operating systems CO5- U (8)