M. C. A. (Sem. IV) (CBCS) Examination

August / September - 2020

Mobile Computing (2016) : Paper - 4040

Faculty Code : 003

Subject Code : 1074004

Time : $2\frac{1}{2}$ Hours]   [Total Marks : **70**

1   (A)   Objective Type questions :   4

        (1)   Full form of SDM.

        (2)   CDMA Stands for _____

        (3)   Full form of PSK.

        (4)   Full form of FDM.

    (B)   Answer in brief : (Any **One** out of Two)   2

        (1)   What is signal?

        (2)   What is frequency?

    (C)   Answer in detail : (Any **One** out of Two)   3

        (1)   Explain Spread spectrum.

        (2)   Explain Cellular Spectrum.

    (D)   Write a note on : (Any **One** out of Two)   5

        (1)   Describe near and far terminals.

        (2)   Explain Multiplexing.

2 (A) Objective Type questions :   **4**

      (1) Which multiple access technique is used by IEEE 802.11 standard for wireless LAN?

      (2) In Bluetooth the _____ layer is roughly equivalent to the physical layer of the Internet model.

      (3) Full form of DHCP.

      (4) The original IEEE 802.11 has a data rate of _____ Mbps.

  (B) Answer in brief : (Any **One** out of Two)   **2**

      (1) What is Bluetooth?

      (2) What is Mobile IP?

  (C) Answer in detail : (Any **One** out of Two)   **3**

      (1) Explain IPV6.

      (2) Differentiate between infrastructure V/s ad-hoc network.

  (D) Write a note on : (Any **One** out of Two)   **5**

      (1) Explain IEEE 802.11 architecture.

      (2) Explain DHCP.

3 (A) Objective Type questions :   **4**

      (1) A _____ is a TCP name for a transport service access point.

      (2) Full form of TCP.

      (3) Full form of UDP.

      (4) TCP/IP is related to _____.

(B) Answer in brief : (Any **One** out of Two)   **2**

    (1) What is TCP?

    (2) What is M-TCP?

(C) Answer in detail : (Any **One** out of Two)   **3**

    (1) Explain fast retransmit/fast recovery.

    (2) Describe TCP over 2.5/3G wireless network.

(D) Write a note on : (Any **One** out of Two)   **5**

    (1) Explain benefits of i-TCP.

    (2) Explain selective retransmission.

4 (A) Objective Type questions :   **4**

    (1) Full form of SMS.

    (2) Full form of WML.

    (3) Full form of MMS.

    (4) Full form of WWW.

(B) Answer in brief : (Any **One** out of Two)   **2**

    (1) What is WAR

    (2) What is Protocol?

(C) Answer in detail : (Any **One** out of Two)   **3**

    (1) Explain Term: SMS and MMS.

    (2) Explain WWW Architecture for Mobile Computing.

(D) Write a note on : (Any **One** out of Two)   **5**

    (1) Explain Push Architecture.

    (2) Describe file system in mobile computing.

5 (A) Objective Type questions : **4**

    (1) Full form of GPRS.

    (2) Full form of GSM.

    (3) Full form PSTN.

    (4) Full form BSS.

  (B) Answer in brief : (Any **One** out of Two) **2**

    (1) What is 3G network?

    (2) What is Wireless network?

  (C) Answer in detail : (Any **One** out of Two) **3**

    (1) Explain Mobile Station.

    (2) Explain GSM.

  (D) Write a note on : (Any **One** out of Two) **5**

    (1) Explain GPRS.

    (2) Explain CDMA.

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