B. Sc. (I.T.) (Sem. VI) (CBCS) Examination

March - 2019

CS - 33 : Internet of Things

(IOT)

Faculty Code : 003

Subject Code : 1046003

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

1   (A)   Answer the following :   4

   (1)   What is IOT?

   (2)   Full Form of IOT.

   (3)   How Many Layer of Outline architecture in IOT?

   (4)   DCA Stands for _____

   (B)   Answer any **one** out of two : (answers in brief)   **2**

   (1)   List out Xaas Service Models.

   (2)   Explain Local Area Networking.

   (C)   Answer any **one** out of two : (answers in detail)   **3**

   (1)   Explain Data Management.

   (2)   Difference between M2M and IOT.

   (D)   Answer any **one** out of two : (write notes on)   **5**

   (1)   Explain Outline architecture Layer.

   (2)   Explain M2M Components.

2 (A) Answer the following : 4

    (1) Full Form of 3GPP _____

    (2) List out Domain Model type.

    (3) What is Information Model?

    (4) What is M2M?

  (B) Answer any **one** out of two : (answers in brief) 2

    (1) Explain Use of Reference Model.

    (2) Explain Interaction and Remote Control.

  (C) Answer any **one** out of two : (answers in detail) 3

    (1) Explain ETSI TC M2M Responsibility.

    (2) Explain Function view.

  (D) Answer any **one** out of two : (write note on) 5

    (1) Explain Network Domain- Contains Elcments.

    (2) Explain Reference Models.

3 (A) Answer the following : 4

    (1) Full form of MAC _____

    (2) Full form of RFID _____

    (3) Full form of IEEE _____

    (4) Full form of DHCP _____

  (B) Answer any **one** out of two : (answers in brief) 2

    (1) List out MAC Layer.

    (2) Explain Routing Protocol.

(C) Answer any **one** out of two : (answer in detail)   3

   (1) Explain Network Layer -IPV4.

   (2) Explain Z-Wave.

(D) Answer any **one** out of two : (write note on)   5

   (1) Explain CORPL

   (2) Explain Bluetooth Low Energy.

4 (A) Answer the following :   4

   (1) SCTP stands for _____

   (2) AMQP stands for _____

   (3) MQTT stands for _____

   (4) What is DTLS?

(B) Answer any **one** out of two : (answer in brief)   2

   (1) Use of Transport Layer.

   (2) Explain MPTCP.

(C) Answer any **one** out of two : (answer in detail)   3

   (1) Explain CoAP.

   (2) Explain XMPP.

(D) Answer any **one** out of two : (write note on)   5

   (1) Explain Transport Layer in detail.

   (2) Explain Session Layer-HTTP in detail.

5 (A) Answer the following :   4

   (1) 6LoWPAN Stands for _____

   (2) OMADM Stands for _____

   (3) What is RPL?

   (4) ETSI stands for _____

(B) Answer any **one** out of two : (answer in brief)　　2

    (1) Explain MAC.

    (2) Explain RPL.

(C) Answer any **one** out of two : (answer in detail)　　3

    (1) Explain BFF Security in IOT Protocols.

    (2) Explain OMA in IOT.

(D) Answer any **one** out of two : (write note on)　　5

    (1) Explain Application Layer.

    (2) Explain Service Layear-OneM2M.

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