



Seat No. _____

003-2046003

BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY) (W.E.F. 2019) BSCIT (2019) Semester - 6 Examination

April-2023

CS-33 INTERNET OF THINGS (IOT)

Time : 2.5Hours]

[Total Marks : 70

- 1 (A) Answer the following: 4
- 1 What is IOT?
 - 2 Full form: M2M
 - 3 Full form: IETF
 - 4 Full form: XaaS
- (B) Answer in brief (Any one out of two) 2
- 1 Explain Gateways.
 - 2 What is Knowledge Management?
- (C) Answer in detail (Any one out of two) 3
- 1 Differentiate: M2M IOT.
 - 2 Explain Business Process in IOT.
- (D) Write a note on (Any one out of two) 5
- 1 Write short note on XaaS.
 - 2 Explain Data Management.
- 2 (A) Answer the following: 4
- 1 Define: Functional View.
 - 2 Full form: MSBF
 - 3 What is RFID?
 - 4 What is Sensor?
- (B) Answer in brief (Any one out of two) 2
- 1 Explain Remote Control.
 - 2 Describe Technical Design Constraints in IOT
- (C) Answer in detail (Any out of two) 3

- 1 Describe Responsibility of ETSI M2M.
- 2 Explain Data Representation and Visualization.

5

(D) Write a note on (Any one out of two)

- 1 Explain: Functional View, Information View.
- 2 Explain: IOT Reference Model in Detail.

4

3 (A) Answer the following:

- 1 Full form: 6TiSCH.
- 2 Full form: CORPL.
- 3 Full form: IEEE.
- 4 Full form: CARP.

2

(B) Answer in brief (Any one out of two)

- 1 Describe 6TiSCH.
- 2 Explain Z wave.

(C) Answer in detail (Any one out of two)

- 1 Write note on Bluetooth Low Energy.
- 2 Explain IEEE 802.15.

3

(D) Write a note on (Any one out of two)

- 1 Explain RPL, CORL and CARP in detail.
- 2 Explain ND and DHCP.

5

4 (A) Answer the following:

- 1 Full form: AMQP.
- 2 Full form: UDP.
- 3 Full form: XMPP.
- 4 Full form: SCTP.

4

(B) Answer in brief (Any one out of two)

- 1 Describe TCP.
- 2 Describe XMPP.

2

(C) Answer in detail (Any one out of two)

- 1 Write note on MPTCP
- 2 Differentiate: TCP and UDP.

3

(D) Write a note on (Any one out of two)

- 1 Explain TLS and DTLS in detail.

5

2 Write note on CoAP and XMPP in detail.

5 (A) Answer the following:

4

- 1 Full form: ETSI.
- 2 What is RPL?
- 3 Full form: MAC.
- 4 Full form: OMA.

(B) Answer In brief (Any one out of two)

2

- 1 Explain Application Layer.
- 2 Explain RPL.

(C) Answer in detail (Any one out of two)

3

- 1 Explain BBF.
- 2 Explain One M2M.

(D) Write a note on (Any one out of two)

5

- 1 Write a note on service Layer oneM2M.
- 2 Write note on 6LoWPAN.

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