

QUESTION BANK

BSCIT SEM 6

UNIT 1

[Q.1 and Q.2] Attempt the following:

1 MARKS:-

- 1- FULL FORM OF IETF.
- 2- What is IOT?
- 3- List main design principles layers for IOT architecture.
- 4- Define: Basic Devices.
- 5- FULL FORM OF ITU.

2 MARKS:-

- 1- Explain M2M data management in detail.
- 2- Explain architecture building process in IoT.
- 3- Explain knowledge management in detail.

3 MARKS:-

- 1- Explain need of networking in IOT with local area network and wide area network.
- 2- Explain business processes in IOT.
- 3- Explain Standard consideration in detail.

5 MARKS:-

1. Explain IOT architecture outline in detail.
2. Write a short note on XaaS.

UNIT 2

[Q.3 and Q.4] Attempt the following:

1 MARKS:-

- 1- FULL FORM OF ARM.
- 2- Define: Views.
- 3- Give any two examples of Core network.
- 4- Give the full form MSBF.
- 5- Give the full form OGC.

2 MARKS:-

- 1- Explain Data representation and visualization.
- 2- Explain Interaction and remote control.
- 3- Explain IOT domain model.

3 MARKS:-

- 1- Write a short note on IOT reference architecture.
- 2- Explain ETSI TC M2M architecture in detail.
- 3- Define safety, Privacy, Trust and Security.

5 MARKS:-

- 1 Explain following in detail.
 - 1) Functional View
 - 2) Information view.
- 2 What is IOT architecture reference model? List out all models and Explain Functional and Communication model in Detail.

UNIT 3

[Q.5 and Q.6] Attempt the following:

1 MARKS:-

- 1- FULL FORM OF IEEE.
- 2- Define Ipv4 and Ipv6.
- 3- Give the size of frame in IEEE 802.11 AH protocol.
- 4- RFID stands for_____.
- 5- FULL FORM OF DHCP and ICMP.

2 MARKS:-

- 1- Explain Zigbee smart energy.
- 2- Write a note on 6TiSCH.
- 3- Explain 3GPP MTC.

3 MARKS:-

- 1- Write a note on Z wave and DASH 7.
- 2- Explain Wireless HART.
- 3- Write a note on DHCP.

5 MARKS:-

- 1- Explain RPL, CORPL and CARP in detail.
- 2- Write a note on IEEE 802.15 and IEEE 802.11.

UNIT 4

[Q.7 and Q.8] Attempt the following:

1 MARKS:-

- 1- FULL FORM OF MQTT.
- 2- Define Session layer.
- 3- FULL FORM OF UDP.
- 4- List all the Transport layer protocols.
- 5- FULL FORM OF SCTP and DCCP.

2 MARKS:-

- 1- Write a note on HTTP.
- 2- Define Transport Layer.
- 3- List all the Session layer protocols.

3 MARKS:-

- 1- Explain MPTCP.
- 2- Write a note on TCP.
- 3- Write a note on AMQP.

5 MARKS:-

- 1- Explain TLS and DTLS.
- 2- Write a note on CoAP and XMPP in detail.

UNIT 5

[Q.9 and Q.10] Attempt the following:

1 MARKS:-

- 1- FULL FORM OF ETSI.
- 2- What is RPL?
- 3- OMA stands for _____.
- 4- MAC stands for _____.
- 5- MAC contains how many bytes.

2 MARKS:-

- 1- Explain BBF.
- 2- List Service layer protocols.
- 3- Explain Application layer.

3 MARKS:-

- 1- Explain features of ETSI M2M.
- 2- Explain IEEE 802.15.4 MAC.
- 3- Explain 6LoWPAN.

5 MARKS:-

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

