

B.Sc.(IT) Semester - 6 (CBCS) Examination
May/June-2021 (NEW COURSE)
Internet of Things (IOT)(Core)

Time: 1:30 Hours**Marks: 42****Instructions:**

1. Figures to the right indicate marks.
2. There are five questions in the question paper.
3. Answer any three of the following questions.

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- Q.1(A) Answer The Following question (03)
1. Full form of ETSI.
 2. What is CoAP?
 3. Full form of 3GPP.
- Q.1(B) Answer the following question (Any Two) (06)
1. What is sensor?
 2. What is gateway?
 3. Explain M2M and IoT Analytics.
 4. What is knowledge management?
- Q.1(C) Answer the following question (Any One) (05)
1. Explain key characteristic of M2M data.
 2. Explain XaaS.
- Q.2(A) Answer The Following question (03)
1. What is full form of RFID?
 2. What is information model?
 3. What is virtual entity functional group?
- Q.2(B) Answer The Following question (Any Two) (06)
1. What is actuators?
 2. Explain use of reference model.
 3. What is device functional group?
 4. Explain safety, privacy, trust, security model.
- Q.2(C) Answer The Following question(Any One) (05)
1. Explain IoT domain model in detail.
 2. Discuss ETSI M2M High Level Architecture.
- Q.3(A) Answer The Following Question. (03)
1. MAC Stands for _____
 2. What is wireless HART?
 3. Full form of IEEE.
- Q.3(B) Answer The Following Question (Any two) (06)
1. What is 6LoWPAN?
 2. Explain ICMP.
 3. What is CARP?
 4. What is DHCP?

- Q.3(C) Answer The Following question (Any One) (05)
1. Explain IEEE 802.15 in detail
 2. Explain Bluetooth Low Energy in detail.
- Q.4(A) Answer The Following question (03)
1. Full form of DCP
 2. What is transport layer?
 3. Full form of DTLS.
- Q.4(B) Answer The Following question (Any Two) (06)
1. Explain XMPP.
 2. Explain SCTP.
 3. Explain TLS.
 4. Explain AMQP.
- Q.4(C) Answer The Following question (Any One) (05)
1. Explain and differentiate TCP and UDP.
 2. Write a note on MQTT.
- Q.5(A) Answer The Following question (03)
1. Full form of SSL.
 2. Full form of OMA.
 3. TLS is the successor to SSL. (True / False)
- Q.5(B) Answer The Following question (Any Two) (06)
1. What is Application Layer?
 2. What is BBF?
 3. Explain Service Layer – OneM2M.
 4. Explain 6LoWPAN in context to Security.
- Q.5 (C) Answer The Following question (Any One) (05)
1. Explain Service Layer – ETSI M2M.
 2. Explain 802.15.4 in detail.
