

B.Sc.(IT) Semester - 6 (CBCS) Examination
March/April-2025 (NEW COURSE)
Internet of Things (IOT) (Core (New))

Time: 2:30 Hours**Marks: 70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

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- Que-1(A) Attempt following questions. (03)
1. What is IOT?
 2. What is Knowledge Management?
 3. XaaS stands for _____.
- Que-1(B) Attempt following. (Attempt Any Two) (06)
1. What is Knowledge Management?
 2. Explain M2M and IoT Analytics.
 3. Difference between M2M and IOT.
 4. Explain Data Management.
- Que-1(C) Attempt following. (Attempt Any One) (05)
1. Explain M2M components in detail.
 2. Explain different applications of IoT in detail.
- Que-2(A) Attempt following questions. (03)
1. What is informational view?
 2. What is functional view?
 3. 3GPP stands for _____.
- Que-2(B) Attempt following. (Attempt Any Two) (06)
1. Explain Interaction and Remote Control.
 2. Explain deployment and operational view.
 3. Explain IoT reference Model in brief.
 4. Explain M2M area network.
- Que-2(C) Attempt following. (Attempt Any One) (05)
1. Explain ETSI M2M High Level Architecture.
 2. Explain network domain contains elements.
- Que-3(A) Attempt following questions. (03)
1. IEEE stands for _____.
 2. ICMP stands for _____.
 3. DHCP stands for _____.
- Que-3(B) Attempt following. (Attempt Any Two) (06)
1. Differences between RPL V/S CORPL
 2. What is Bluetooth Low Energy?
 3. Write note on Z-Wave.
 4. Write note on IEEE 802.15.

- Que-3(C) Attempt following. (Attempt Any One) (05)
1. Explain WirelessHART Protocol in detail.
 2. Explain Network Layer IPV-4 in detail.
- Que-4(A) Attempt following questions. (03)
1. TLS stands for _____.
 2. AMQP stands for _____.
 3. DCCP stands for _____.
- Que-4(B) Attempt following. (Attempt Any Two) (06)
1. Explain MPTCP.
 2. Explain CoAP.
 3. Explain XMPP.
 4. Explain AMQP.
- Que-4(C) Attempt following. (Attempt Any One) (05)
1. Differentiate between TCP V/S UDP.
 2. Explain Transport Layer in detail.
- Que-5(A) Attempt following questions. (03)
1. SSL stands for _____.
 2. ETSI stands for _____.
 3. OMA stands for _____.
- Que-5(B) Attempt following. (Attempt Any Two) (06)
1. Explain One M2M.
 2. Explain 6LoWPAN in context to security.
 3. Explain BBF security in IoT Protocols.
 4. Write note on OMA.
- Que-5(C) Attempt following. (Attempt Any One) (05)
1. Explain ETSI M2M in detail.
 2. Discuss Security in MAC 802.15.4 Protocol.
