

B.Sc.(IT) Semester - 6 (CBCS) Examination**March/April -2020****CS-33 INTERNET OF THINGS (IOT) (CORE)****Time: 2:30 Hours****Marks: 70****Instructions:**

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

Q=1(A) Answer the following question	4
1 Full form of ARM.	
2 Full form of IETF.	
3 What is knowledge management?	
4 What is 3GPP?	
Q=1(B) Attempt any one	2
1 What is actuator?	
2 What is gateway?	
Q=1(C) Attempt any one	3
1 What is Asset Layer of functional layer of IoT solution?	
2 Explain XaaS.	
Q=1(D) Attempt any one	5
1 Explain problem and domain partitioning.	
2 Explain data management in detail.	
Q=2(A) Answer the following question	4
1 Full form of ETSI.	
2 Full form of ITU.	
3 What is functional view?	
4 What is sensor?	
Q=2(B) Attempt any one	2
1 What is RFID?	
2 What is information view?	
Q=2(C) Attempt any one	3
1 Explain ETSI M2M interface.	
2 Discuss Management Functional Group.	
Q=2(D) Attempt any one	5
1 Explain IoT reference model.	
2 Explain deployment and operation view in detail.	
Q=3(A) Answer the following question	4
1 Full form of DHCP.	
2 Full form of CARP.	
3 Full form of IEEE.	
4 Full form of ICMP.	
Q=3(B) Attempt any one	2
1 What is 6LoWPAN?	
2 Explain Wireless HART.	
Q=3(C) Attempt any one	3
1 Explain 6TiSCH.	
2 What is Zigbee smart energy?	
Q=3(D) Attempt any one	5
1 Explain IEEE 802.15.4 in detail.	
2 Explain RPL and CORPL.	

Q=4(A) Answer the following question	4
1 Full form of DCCP.	
2 Full form of HTTP.	
3 Full form of COAP.	
4 Full form of XMPP.	
Q=4(B) Attempt any one	2
1 What is TLS?	
2 Explain AMQP.	
Q=4(C) Attempt any one	3
1 What is DTLS?	
2 Explain UDP.	
Q=4(D) Attempt any one	5
1 Explain and differentiate TCP and MPTCP.	
2 Explain MQTT in detail.	
Q=5(A) Answer the following question	4
1 Full form of SSL	
2 Full form of RPL.	
3 Full form of BBF.	
4 What is encryption?	
Q=5(B) Attempt any one	2
1 Explain security in MAC 802.15.4.	
2 Explain security in 6LoWPAN.	
Q=5(C) Attempt any one	3
1 What is OMA?	
2 Explain security in application layer.	
Q=5(D) Attempt any one	5
1 Explain security in IoT Protocols in detail.	
2 Explain service layer OneM2M in detail.	
