

Name:	 UPES UNIVERSITY WITH A PURPOSE
Enrolment No:	

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
Online End Semester Examination, Dec 2020

Course: B.Tech CSE(CCVT,BFSI,MAD,OSS,ECOM,BAO,AI&ML) Program: Introduction to Internet of Things Course Code: CSIS2001	Semester: V Time 03 hrs. Max. Marks: 100
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SECTION A

1. Each Question will carry 5 Marks
2. Instruction: Complete the statement / Select the correct answer(s)

S. No.	Question	CO
Q 1	An IoT service domain that is composed of the.....and.....	CO1
Q2	RFID tagging is an ID system that uses the small radio frequency identification devices for the and Purpose.	CO3
Q3	IoT telemetry architecture does not includes the component:.....	CO2
Q4	Protocol runs over TCP/IP and designed for embedded hardware devices with limited embedded components and low power requirements is:	CO1
Q5	An electrical device which converts the electric power into the radio waves and vice versa is:.....	CO2
Q6	It provides connectivity between IoT components and IoT gateways is:.....	CO3

SECTION B

1. Each question will carry 10 marks
2. Instruction: Write short / brief notes

Q 7	What is the role of things and internet in IoT? Explain the different characteristics of IoT.	CO1
Q 8	Enlighten different IoT Protocols. Which of the communication protocols are used by IoT?	CO1
Q 9	How do IoT devices communicate? Explain with suitable diagrams.	CO2
Q 10	What is wireless sensor network? Discuss the benefits and limitations of wireless sensor networks.	CO3
Q 11	What are the major Privacy and Security Issues in case of Internet Of Things (IoT)?	CO2

Section C

1. Each Question carries 20 Marks.
2. Instruction: Write long answer.

Q12	What are some good resources to learn about Machine-to-Machine communication (M2M)? How does M2M communication work? Explain. OR How might wireless communications have an effect on the development and Implementation of the internet of things (IoT)? Explain. What are the different types of Sensors used in IoT Network?	CO2 CO3
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