

Name:	
Enrolment No:	

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
Online End Semester Examination, May 2021

Course: IoT for Industries	Semester: VIII
Program: B.Tech CSE+IoT&SC	Time 03 hrs.
Course Code: CSIS 4004	Max. Marks: 100

SECTION A

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

S. No.		CO
Q 1	Monitoring of vibrations, strokes, container openings or cold chain maintenance comes under _____.	CO4
Q 2	Scalability of IoT means a) Expandable/reducible in terms of scale or size. b) Measurable c) Increasing/decreasing monetary costs. d) All of the above	CO1
Q 3	_____ is a wireless inventory control system that has been typically fitted with weight sensors and RFID tags.	CO2
Q 4	Which of the following is True? a) IoT is a subset of M2M b) M2M is a subset of IoT c) IoT is a subset of CPS d) CPS is a subset of Web of Things	CO1
Q 5	Telematics devices which are mechanically fitted into the vehicle are _____.	CO3
Q6	Bluetooth will transmit the data over the frequency band _____.	CO1

SECTION B

1. Each Question will carry 10 Marks.
2. Write short / brief notes. Make diagrams wherever needed.

Q 7	Define the role of IIoT in enhancing the quality of shipment.	CO4
Q 8	Discuss the role of ambulance telemetry in medical domain.	CO3
Q 9	Discuss the economic impacts of the increased applications of IoT in manufacturing industry.	CO1
Q 10	Briefly explain the advantages of using IoT in automotive industry.	CO3
Q11	Explain any two wearable devices that supports Bluetooth and explain different types of Bluetooth available and their role in IIoT.	CO2

SECTION-C

1. Each Question carries 20 Marks.

2. Instruction: Write long Answers.

Q 12	Explain some of the challenges faced by the companies in supply chain management and propose IoT enabled solutions for the same. <p style="text-align: center;">Or</p> Write the IoT enabled techniques that have been implemented by retailers to enhance the offline shopping experience.	CO4
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