

Name:

Enrolment No:



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, December 2022

Course: Introduction to Internet Of Things

Program: B.Tech CSE + IOT&SC

Course Code: CSIS 2001

Semester: I

Time : 03 hrs.

Max. Marks: 100

Instructions: All questions are compulsory

SECTION A

S. No.		Marks	CO
Q 1	Discuss the term integrity in the IoT network security.	4	CO4
Q 2	Give an example of IOT in field of Remote assistance and tracking.	4	CO1
Q 3	For what purpose proximity sensor is used, describe it briefly.	4	CO2
Q 4	Define Telemetry with its basic application area.	4	CO1
Q 5	Differentiate between the authentication and authorization in terms of security.	4	CO4

SECTION B

Q 6	Describe in detail any one application area of the IoT in details with its challenges and future scope.	10	CO4
Q 7	How is message queuing telemetry transport protocol used in IoT for communication? Explain it with the characteristics and example.	10	CO3
Q 8	Categorize and discuss various types of communication possible in IOT communication.	10	CO2
Q 9	Enlist the main features of IOT with a brief description. OR What is the impact of IOT in the real world? Support your answer with negative and positive impact.	10	CO1

SECTION-C

Q 10	Explain the OSI model with proper description and discuss how it is different from TCP/IP model. OR Give a brief overview of RFID tagging System with its architecture showing main component of RFID. Also illustrate the application area of it.	20	CO3
Q 11	How cellular network works in mobile communication? Is traditional cellular network suitable for IOT communication, support your answer.	20	CO2