

Enrollment No:

Roll No. :

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M.C.A. - 3rd Semester (2nd Year)

Odd Semester Examination 2024

Paper Name : Cyber Physical System and IoT

Paper Code : MCA OE 312

Time : 2 Hours & 30 Minutes

Maximum Marks : 60

Instructions

- (1) Write answers in your own words.
(2) There should be a gap of at least 3 lines in between two answers.

SECTION A

(20 Marks)

All questions are compulsory in this Section.

All Questions are of 5 Marks.

Q1.	What is IoT ? Explain various Characteristics of IoT.	CO1	L2
Q2.	What are the various challenges in implementation of CPS ?	CO2	L1
Q3.	Why is WoT important for IoT expansion?	CO3	L3
Q4.	Explain CIA Triad with example.	CO4	L5

SECTION B

(40 marks)

Attempt **ANY FOUR** Questions from this Section.

All Questions are of 10 Marks.

Q1.	Discuss about application of Cyber-Physical Systems in the real world.	CO1	L2
Q2.	Explain the architecture of CPS with proper example.	CO2	L1
Q3.	Explain its importance of IoT in the ever-growing technological integrations in our life ?	CO3	L3
Q4.	What is the importance of cloud computing in the domain of IOT ?	CO4	L5
Q5.	Discuss briefly about DEECo Ecosystem for CPS	CO1	L4
Q6.	What are the 4 Pillars of IoT ?	CO3	L6

BL – Bloom's Taxonomy Levels (1-Remembering, 2-Understanding, 3-Applying, 4-Analyzing, 5-Evaluating, 6-Creating)

----- The End -----