



Roll No.																			
----------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

PRESIDENCY UNIVERSITY

BENGALURU

Mid - Term Examinations – March 2026

Date: 14 -03-2026

Time: 09.30am to 11.00am

School: SOCSE	Program: CSG		
Course Code: CSD2006	Course Name: Edge AI and IOT Analytics		
Semester: VI	Max Marks: 50	Weightage: 25%	

CO - Levels	C01	C02	C03	C04	C05
Marks	26	24	-	-	-

Instructions:

- (i) Read all questions carefully and answer accordingly.
- (ii) Do not write anything on the question paper other than roll number.

Part A

Answer ALL the Questions. Each question carries 2marks.

5Q x 2M=10M

1	Why Edge AI is a cutting-edge technology	2 Marks	L1	C01
2	Define EaaS	2 Marks	L1	C01
3	List two differences between Cloud AI and Edge AI.	2 Marks	L1	C01
4	Name two enabling technologies of Edge IoT	2 Marks	L1	C02
5	Compare 3-layer and 5-layer IoT architectures	2 Marks	L2	C02

Part B

Answer the Questions.

Total Marks 40M

6.	a.	Explain the future prospects of edge computing in next-generation networks.	10 Marks	L2	C01
Or					
7.	a.	List any 10 difference between Cloud, Fog and Edge Computing	10 Marks	L1	C01

8.	a.	Explain the hierarchical architecture of edge computing and its layers with diagram.	10 Marks	L2	C01
Or					
9.	a.	Explain MEC Deployment Models in detail with diagram	10 Marks	L2	C01

10.	a.	Explain the five-layer IoT architecture with a suitable diagram and role of each layer.	10 Marks	L2	C02
Or					
11.	a.	Classify the various short-range and long rang communication used in enabling Edge computing-based IoT Technologies	10 Marks	L3	C02

12.	a.	Illustrate the various IoT Protocols layers	10 Marks	L3	C02
Or					
13.	a.	<p>A Service provider wants to provide communication in wireless technology for data and voice communication to a particular geographic area. The total bandwidth of service provider licensed Band is 2.4GHz and it supports a data rate of up to 1Mbps, identify the technology and write the following:</p> <p>a. key specifications b. Working principles C. Advantage and Disadvantage</p>	10 Marks	L3	C02