
	Dr D Y Patil Pratishthan's Dr. D.Y. Patil Institute of Engineering, Management and Research, Akurdi, Pune		DI No.: ACAD/DI/13
Academic Year: 2022-23	Unit Test 1		Revision: 00 Dated : 20/11/2019
Semester – II	Department of Artificial Intelligence and Data Science		Date of Preparation : 04/03/2023

Class: SE		Course: Internet of Things	Course Code: 217529			
Maximum Marks: 30		Total Duration:1 Hr	Date : 14/03/2023			
Note: a. Attempt 2 questions. b. All the questions carry almost equal marks. c. Draw neat diagrams wherever applicable.						
Q	Questions		Marks	CO	BL	PO
1	a. What is interrupt? Explain its types.		7	CO1	2	PO1
	b. Perform Subtractions by 1’s Complement 10101 – 00101		4	CO1	4	PO2
	c. Write a note on binary fixed point representation.		4	CO1	1	PO2
OR						
2	a. Explain the various types of computers and their applications		8	CO1	2	PO1
	b. Explain different functional units of a digital computer.		7	CO1	2	PO3
3	a. Explain maximum mode operation of 8086 with neat diagram		8	CO2	2	PO3
	b. Explain PIO 8255 with block diagram		7	CO2	2	PO3
OR						
4	a. Explain Stepper Motor Interfacing		8	CO2	2	PO1
	b. State features of 8086		7	CO2	2	PO1

Summary of CO & BL mark distribution

	CO1	CO2	CO3	CO4	CO5	CO6
% Marks Allotted	50%	50%	-	-	-	-
	BL1	BL2	BL3	BL4	BL5	BL6
% Marks Allotted	11%	78%	-	11%	-	-

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COs: Course Outcomes

BL: Blooms Taxonomy Level

POs: Programme Outcomes

1) Remembering

4) Analyzing

2) Understanding

5) Evaluating

3) Applying

6) Creating