

**END SEMESTER EXAMINATION, Oct./NOV.- 2021-22**

Course Name: Computer Organization and Microprocessors, Course: Code:201CSL203

Day and Date: Friday,21/01/2022

Seat No:

Time:10.00 am to 11.00am

Max. Marks: 50

**Instructions:**

1. All Questions are compulsory.
2. Figure to the right indicate full marks.
3. Non-Programmable Calculator is allowed.
4. Any other Course Specific Instructions.

BTL	CO's	Q.No.	Statement of Question	Marks
		<b>Q.1</b>	<b>Attempt all the following questions.</b>	<b>20</b>
2	C203.1	<b>a</b>	Explain IVth generation of computer system also draw and explain IBM 360 System.	7
3	C203.2	<b>b</b>	Explain Booths Algorithm technique with suitable illustrations.	7
2	C203.3	<b>c</b>	Distinguish between RAM and ROM in details.	6
		<b>Q.2</b>	<b>Attempt the following</b>	<b>15</b>
2	C203.4	<b>a</b>	Draw and Explain PIN diagram of 8085.	8
			<b>OR</b>	
2	C203.4	<b>a</b>	Draw and explain PSW register of 8085 also explain the operation of following instructions operation's i) RAR ii) ADD M	8

3	C203.5	<b>b</b>	Write and explain using a flow chart, an assembly language program to perform 8-bit addition and 8-bit subtraction by using 8085.  <b>OR</b>	7
2	C203.4	<b>b</b>	Draw and Explain PIN diagram of 8086.	7
		<b>Q.3</b>	<b>Attempt the following</b>	<b>15</b>
2	C203.4	<b>a</b>	What are the different types of 8086 microprocessor instructions? Explain arithmetic instructions of 8086.  <b>OR</b>	8
2	C203.6	<b>a</b>	Explain special registers of Pentium processor.	8
3	C203.5	<b>b</b>	Write and explain using a flow chart, an assembly language program to perform multiplication by using 8086.  <b>OR</b>	7
2	C203.6	<b>b</b>	Draw and explain PIN diagram of 80386.	7

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