			ay '207
	(3 h	ours) 01/06/2023 Total Marks: 80	0
		 N.B. 1. Question No. 1 is compulsory 2. Attempt any three questions from remaining five questions 3. Assume suitable data if necessary and justify the assumptions 4. Figures to the right indicate full marks. 	
51		ii) (23A) ₁₆ in to Decimal iii) (135) ₈ in to decimal iv) 234 in to BCD v) 23 in to gray code	5
		Write a short note on Encoder)5
	D	Differentiate between SRAM & DDANK	05 05
Q2	A	Drow the floor I are as	
	В	Draw the flow chart of Non Restoring division algorithm and Perform $4 \div 2$ Explain Flynn's classification	10
	D	Supram Figure 3 Classification	10
Q3	A	Explain the instruction cycle with the help of a neat state diagram	10
	В	Explain the various addressing modes	10
Q4	Α	Using booths algorithm perform -5 x -3	10
	В	Paringout 700 05	10
	D	Represent -786.25 using IEEE 754 standards (both single and double precision format)	10
Q5	A	Explain different memory Mapping Techniques	1.0
	В	List & Explain the Characteristics of Memory	10
	С	What do you mean by cache coherence	05
Q6	A		05
Qu		Draw and explain 4 stage instruction pipelining and briefly describe the hazards associated with it	10
	В	Describe various Bus Arbitration methods	10