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		No.	

Define exception.

Q.P. Code: 754601

(2½ Hours)

Total Marks 75

оте:		1) All questions are compulsory.				
		2) Figures to the right indic	- '^			
			iswers and diagrams will be appreciated.			
		4) Mixing of sub-questions				
			All the Charles Control of the			
		npt All Questions.				
a)		ct correct answer from the fo	nowing:			
	i)	The Number of bits in ASC				
		a) 2 b) 32 c) 16	q) 8			
	ii)	Which of the following sys	stem is digital?			
		a) Electrical switch	b) Electronic counter			
	- 17	c) Mercury Thermometer	d) Both a & b			
	111)		own alphanumeric characters is called .			
		a) Object code	b) Executable code d) None of the above sometimes called as			
		c) Source code	d) None of the above			
	iv)	The duplicate registers are	sometimes called as			
	ř.	a) Copy registers	b) Shadow registers			
		c) Mirror registers	d) None of the above.			
	v)	The number of data registers in coldfire processor is				
		a) 10 b) 5 c) 8	d) 4. 1			
		тана вомению -				
b)	Fill in	n the blanks				
	i)	Methematician develor	ped rules for manipulating binary variables.			
	ii)		gate is high its output will be .			
	iii)	V	ng alphabets, numbers into binary is			
	iv)		ontains cells.			
	v)	CISC stands for .	Marking - Arak.			
	')	0.00				
c)	Short	answers:				
-	i)	What is BCD?	The last residency makes a line			
			et of decimal 222			
	ii)					
	3/2) HYV	State any two mnemoric na State the types of machine				
	NE VIII	DIALE THE TYPES OF HISCHINE	HINDREGIOUS			

2.	. Attempt the following (Any Three):	15
	a) Write a note on computer number system.	
	b) State the basic logic gates. Explain any one.	
	c) What is the role of shift register? Explain with 4-bit shift register.	
	d) What is ripple counter? Explain with example.	
	e) Explain the steps to synthesis finite state machine.	
	f) What is multiplexer? Explain its use.	18c
		The
3.	a) Describe memory organisation in brief. b) Write a note on CISC instruction set	15
	a) Describe memory organisation in brief.	
	b) Write a note on CISC instruction set.	
	c) Which type of addressing mode is useful while dealing with List & arrays? Explain.	
	d) State & explain the ways of byte address assignment.	
	e) For following instruction which address mode is used? Explain the operation.	
	LOAD RI NI	
	LOAD R1 N1 LOAD R2 N2 ADD R2 R2 R1 f) Write a note on assembly language. Attempt the following (Any Three): a) Write in brief about store instruction.	
	ADD R2 R2 R1	
	f) Write a note on assembly language.	
4.	Attempt the following (Any Three):	15
	a) Write in brief about store instruction.	
	b) Explain 5 stage organisation of Data Path	
	c) Explain hard wired control approach of generating control signal.	
	d) What is the concept of interrupts? Give example.	
	e) Explain sequence of actions during branch instruction.	
	f) Explain program controlled 80.	
5.	Attempt the following (Arry Three):	15
	a) Write note on full adder.	
	b) With example explain indexed addressing.	
	c) What are the components of processor?	
	d) Convert decimal 3521 to binary & octal form.	
	e) Discuss addressing modes supported by NIOS II processor.	
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