		Roll No	•		
Total	No. of	Questions: 5] [Total No. of Printed Pages: 3	3		
	· ·	EGS-223			
B.E. 5th Semester (CGPA) CSE (Zero Sem.) Examination - 2018					
COMPUTER ARCHITECTURE					
		Paper-CS-505	9		
Tim	ne:3 H	[Maximum Marks : 60)		
Not	le: Ai	tempt all questions.			
1.	(a)	Explain the architecture and differen components of computer system?			
Ti de	(b)	Draw and explain the bus structure for the data transfer register common bus?	e		
		or			
ie ie	(a)	computer	6		
	(b)	What do you mean by Instruction format Explain various Instruction set design	? n 6		
2.	(a)	Differentiate Hard wired and micro program control unit?	m 6		
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	(b)	Explain instruction sequencing and
		instruction interpretation? 6
		or
	(a)	Compare horizontal and vertical organization of microinstruction. Give there advantages and disadvantages.
۴.	(b)	Explain control memory and address sequencing?
3.	(a)	How multiplication of floating point number achieved. Explain using flow chart. 6
	(b)	What are the various performances issues in pipelining? or
an j	(a)	Explain addition of floating point number using flow chart?
	(b)	Explain the configuration of instruction pipelining.
4.	(a)	Draw and explain typical block diagram of DMA.
	(b)	Explain the different modes of data transfer between the central computer and I/C device.
		or
	(a)	Explain I/O addressing in detail? 6
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- (b) How is interrupt I/O better than programmed I/O? Discuss completely how the various signals are exchanged during I/O?

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- 5. (a) Explain associative memory with its hardware organisation. Explain how data is read and write in associative memory? 6
 - (b) Draw and explain virtual memory organisation.

or

- (a) Explain the operation of cache memory. 6
- (b) Define the different page replacement algorithm of cache memory. 6

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