No. of Printed Pages: 03 Roll No.

H-8

B. Tech. EXAMINATION, Dec. 2017

(Eighth Semester)

(B. Scheme) (Re-appear Only)

(CSE)

CSE-462-B

HIGH PERFORMANCE COMPUTING

Time: 3 Hours] [Maximum Marks: 75

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note: Attempt *Five* questions in all, selecting at least *one* question from each Unit. All questions carry equal marks.

(3-22/20)M-H-8 P.T.O.

	Unit I	
1.	What is Parallelism? Also explain Flynclassification of computer architecture.	
2.	Explain the system interconnect architectural Differentiate static interconnection network and the system interconnection network and the system interconnection networks.	and
	dynamic interconnection network.	15
	Unit II	15 aure.
3.	Explain the following:	15
	(a) CISC	
	(b) VLIW	

6. What is the principle of Pipelining? Explain Arithmeticpipeline design. 15 **Unit IV** 7. What is Vector Processing Principle? Also explain multivector multiprocessors. 15 **8.** Explain the following: 15 Cache Coherence (a) Data Flow Architecture.

15

(a) Cache performance issues

Symbolic Processor.

4. How does Virtual memory work? Explain

Unit III

different mapping and management techniques.

(b) Interleaved memory organization.

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