No. of Printed Pages: 2

BIEL-025

B.Tech. – VIEP – ELECTRONICS AND COMMUNICATION ENGINEERING (BTECVI)

Term-End Examination

June, 2016

BIEL-025 : ADVANCED MICROPROCESSOR ARCHITECTURE

Time : 3 hours

20926

Maximum Marks : 70

Note : Attempt any **seven** questions. All questions carry equal marks. Use of scientific calculator is allowed.

1.	(a) Describe the methods used for measuring computer performance.							5
	(b)	Describe and Mul	_		nces betwee ectures.	n Un	ii-bus	5
2.	Describe the important features of the designing of a computer system. How is the cost related to computer design ?							10
3.	comp	uter for a	chieving	a co	instruction ompleteness instructions	? Des		10
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4.	detail	in the role of assembler and compiler in . How is a two-pass assembler different a one-pass assembler ?	10				
5.	Explain the methods to extend the pipeline to handle multicycle operations.						
6.	Is pipelining multiprocessing ? Discuss different data hazards and control hazards.						
7.	(a)	What are multi-vector computers ? State their uses with an example.	5				
	(b)	Discuss the methods for overcoming data hazards with dynamic scheduling.	5				
8.		e the classification of parallel computers and an application in each case.					
9.	(a)	What are the different policies that are used for updating main memory ? Explain the advantage of each policy.	5				
	(b)	What is Content Addressable Memory (CAM) ?	5				
10.	differ	ain the concept of virtual memory. State ent mapping methods used in a virtual bry system.	10				