No. of Printed Pages: 2

BICS-025

P.T.O.

B.Tech. - VIEP - COMPUTER SCIENCE AND ENGINEERING (BTCSVI)

Term-End Examination

December, 2017

00287

BICS-025

BICS-025 : ADVANCED COMPUTER ARCHITECTURE

1 ir	ne : 3 i	nours Maximum I	Maximum Marks : 70							
No		Answer any seven questions. All quest qual marks.	ions (carry						
1.	Expl syste	ain array computers and multiprocems.	essor	10						
2.	Discuss the various types of array and associative processors. 10									
3.	(a)	What is Virtual Memory ? State mapping methods.	e its							
	(b)	(b) Explain the use of I/O interrupts for more efficient use of the CPU. $5+5=10$								
4.	Expl	ain SIMD and MIMD in datastreams.		10						

5.		iss loo oprocessor		and	tightly	coup	led	10
6.	Briefly explain control flow and data flow computers.							
7.	(a)	-			classific		of	

- (b) What is Auxiliary Memory? Explain with the help of a suitable example. 5+5=10
- 8. Explain with example the use of reservation table to show how successive pipeline stages are utilized.
- 9. Explain the hardware implementation and flow chart for Booth's Algorithm.
- **10.** Write short notes on the following: 5+5=10
 - (a) Interrupt
 - (b) Instruction Pipelines

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