No. of Printed Pages : 2

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

Term-End Examination

00376

June, 2016

BICSE-013 : REAL TIME SYSTEMS

Time : 3 hours

Maximum Marks: 70

Note: Answer any **seven** questions. All questions carry equal marks.

1.	Explain sensors and transducers. What conditioning?	is signal 10	
2.	What is a real time operating system ? the basic elements of a real time o		
	system.	10	
3.	State and explain the factors for selecting	ng a real	
	time operating system.	10	
4.	What do you mean by 'cache coherency' ? Explain		
	in detail with the help of an example.	10	
5.	Explain structured flow charts in software design		
	with a suitable example.	10	
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6.	What is functional decomposition and what are the relationships among them ?	10	
7.	List any five high level languages. What are the advantages and disadvantages of high level languages?	10	
8.	What is an interrupt ? Describe the variousinterrupts and service routines.10		
9.	Define interface and control. Draw and explain the parallel output-input interface. 10		
10.	Write short notes on any two of the following: $2 \times 5 =$	=10	
	(a) Data Transfer Line		
	(b) Fault Tolerant System		
	(c) Flash Converter		

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