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BICS-016

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P.T.O.

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

Term-End Examination December, 2017

BICS-016: SYSTEM PROGRAMMING AND COMPILER DESIGN

Tir	ne : 3 i	hours Maximum Marks	Maximum Marks : 70	
Note: Attempt any seven questions. All questions c equal marks.				
1.	(a)	What are the various tables in a compiler? Explain with an example.	5	
	(b)	Explain in detail about the design of a macro preprocessor.	5	
2.	Desc	ribe various types of software tools.	10	
3.	(a)	Define Nested Macro with an example.	5	
	(b)	What do you mean by Macro Facilities? Explain with the help of an example.	5	
4.		ain Relocation Factor with the help of a able example.	10	

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5.	(a)	Differentiate between Boot strapping and	
		Book keeping.	5
	(b)	Discuss the various phases of a compiler.	5
6.	Write	e short notes on the following: 4+3	+3
	(a)	LR Parser	
	(b)	SLR Parser	
	(c)	LALR Parser	
7.	Descr		10
8.	(a)	Discuss error detection and recovery in a compiler.	5
	(b)	Differentiate between Loader and Linker.	5
9.	Descr	ı	10
10.	_	nin in detail about Register Allocation and nment in code generation.	10