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## 1075

### B.Tech. Examination, 2016

(Sixth Semester)

(C.S.)

Paper - V

#### COMPILER DESIGN

Time Allowed: Three Hours

Maximum Marks: 100 (a) Discuss about of Compiler Design, and write the role of compiler in computer science. 10 What do you understand by Parsing Technique. Explain any one. (a) Define the compiler writing tools. Explain any one. (b) Explain the context free grammer. (a) Explain lexical analyzer generator with 10 example. (b) Write the LALR Parsing Technique. 10 (a) Explain the code optimization technique. 10 Q. 4. (b) What do you understand by lexical phase errors, in error detections & recovery 10 system?

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(2)	
Q. 5. (a) Explain postfix translations with exam	onle .
B. Tech , Examination , San E.	ipie. 10
Write the necessary phases and p	asses of
compiler designs.	10
Q. 6. (a) Explain the symbol table, and also	n evoluin
( 1) 10115 <sup>1</sup>	
data structure for symbol tab	ole, with
example.	10
(b) What do you understand by	machine
independent optimization.	10
A Comment of the Comm	
(a) Explain syntax-directed tr	anslation
schemes.	10
(b) Short note on any four:	10
(1) LR Parsing	
(ii) DAG	
(iii) Capability of CFG	
(iv) DFA Based Pattern matcher	
(v) Code generator	
The same of the sa	
	Cause .
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## 2471

# B.Tech. Examination, 2015

(Sixth Semester)

(C.S.)

Paper - V

# COMPILER DESIGN

Time Allowed: Three Hours

Maximum Marks: 100

Note:	Attempt any FIVE questions. All question	ns carry
21	equal marks.  (a) Explain all the necessary phases and in compiler design. Write down the	purpose 10
	of each pass.  (b) What do you mean by Lexical A generator and LEX - compiler.  (a) Generate Parse Tree for the formula is a side of the formula in the formula in the formula is a side of the formula in the formula in the formula is a side of the formula in the formula in the formula is a side of the formula in the formula in the formula is a side of the formula in the formula i	ollowing
Q.2.	grammars and expression is . Id	10
188	(b) Explain about parser and parsing to What is Top down parsing.	chniques. 10
2.3.	(a) Explain the following:  (i) Constructing SLR Parsing Tables	es
	(b) What is Postfix Translations? Exp suitable example.	lain it with
		P.T.O.
243		

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