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Code	No: 155CX	R18	
AG	B. Tech III Year I Semester Examinations, March - 2021 PRINCIPLES OF PROGRAMMING LANGUAGES (Common to CSE, IT) Answer any five questions All questions carry equal marks	Marks: 75	√ Imp
Д(J.a) В)	What are the various language evaluation criteria and the characteristics them? Discuss. Explain about various programming domains and their features.	s that affect	7
2.a) b)	Write BNF and EBNF versions of an expression grammar. Explain in detail about attribute grammars with examples.	[8+7]	
3.a) b) 4.a) b)	Distinguish between name type compatibility and structure type compatibility discuss the design issues of multiple selection constructs. What is a short-circuit evaluation? How does operand evaluation order if functional side effects? Explain the design issues of subprograms and operations.	[8+7]	<u> </u>
5.a) (b)	Write about parameterized abstract data types with an example in C++. What are the language design requirements for a language that supports a types?		· ·
6.a) b)	Why were imperative features added to most dialects of LISP? Discuss. Explain in detail about exception handling in Ada.	[7+8]	
7.a) b) 8.a) b)	What are the applications of functional programming? Explain. What are the features of Prolog? Discuss the basic elements of Prolog. Write the key concepts of scripting languages and explain them. Differentiate between procedural abstraction and data abstraction with exam	[7+8] pples.[7+8]	A Property

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