R16

SET - 1

II B. Tech II Semester Regular/Supplementary Examinations, November - 2020
PRINCIPLES OF PROGRAMMING LANGUAGES
(Com to CSE, IT)

Time: 3 hours   Max. Marks: 70

Note: 1. Question Paper consists of two parts (**Part-A** and **Part-B**)
2. Answer **ALL** the question in **Part-A**
3. Answer any **FOUR** Questions from **Part-B**
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PART –A

1.	a)	What is the problem with case sensitive names?	(2M)
	b)	What mixed-mode assignments are allowed in C and Java?	(3M)
	c)	What is the difference between checked and unchecked exception in java?	(2M)
	d)	What are the applications of logic programming	(2M)
	e)	What is an alias? What are the problems associated with it?	(2M)
	f)	Write short notes on lambda calculus.	(3M)

PART -B

2.	a)	Explain with an example how operator associativity can be incorporated in grammars	(7M)
	b)	Describe the concept of denotational semantics.	(7M)
3.	a)	Explain the differences between subtypes and derived types	(7M)
	b)	Explain about subscript bindings and various array categories.	(7M)
4.	a)	Explain the overloaded subprogram with an example.	(7M)
	b)	Explain how various implementation models of parameter passing are actually implemented.	(7M)
5.	a)	Differentiate between procedural and object oriented languages.	(7M)
	b)	Write about event handling in Java.	(7M)
6.	a)	Explain the Basic primitives of LISP. Give suitable examples	(7M)
	b)	Explain the differences between Imperative and functional languages.	(7M)
7.	a)	Describe about the basic elements of prolog	(7M)
	b)	Explain briefly about logic programming	(7M)

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