BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI (END SEMESTER EXAMINATION)

CLASS: BRANCI	BE H: CSE		SEMESTER : VII/AD SESSION : MO/18	D
TIME:	3 HOURS	SUBJECT: CS7101 PRINCIPLES OF PROGRAMMING LANGUAGES	FULL MARKS: 60	
 INSTRUCTIONS: The question paper contains 7 questions each of 12 marks and total 84 marks. Candidates may attempt any 5 questions maximum of 60 marks. The missing data, if any, may be assumed suitably. Before attempting the question paper, be sure that you have got the correct question paper. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall. 				
Q.1(a) Q.1(b) Q.1(c)	Define Syntax,	nean by high level language. semantics and pragmatics of a programming language. Ferent paradigms of programming with suitable example.		[2] [4] [6]
Q.2(a) Q.2(b) Q.2(c)	Explain the different difficulties of a package with public type component.			[2] [4] [6]
Q.3(a) Q.3(b) Q.3(c)	Explain the differences between method overloading and method overriding.			[2] [4] [6]
Q.4(a) Q.4(b)	Explain the concept of context dependent and context independent overloading with a suitab example.			[2] [4]
Q.4(c)				[6]
Q.5(a) Q.5(b) Q.5(c)	What is sequencer. State the various problems of concurrency. How does semaphore help to resolve the shared buffer problem?			[2] [4] [6]
Q.6(a) Q.6(b) Q.6(c)	What is Lazy evaluation in functional programming.			[2] [4] [6]
Q.7(a) Q.7(b) Q.7(c)	Explain the various features of PYTHON language.			[2] [4] [6]

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