ROII No.

Total No of Pages: 3

B.Tech. IV-Sem (Main & Back) Exam; June-July 2016 Computer Science & Engineering 4CS6A Principles of Programming Languages

Common with CS, IT

Time: 3 Hours

Maximum Marks: 80

Mir. Passing Marks (Main & Back): 26

Min. Passing Marks (Old Back): 24

Instructions to Candidates:-

Attempt any five questions, selecting one question from each unit. All Questions carry equal marks. Schematic diagrams must be shown wherever necessary. Any data you feel missing suitably be assumed and stated clearly.

Units of quantities used/calculated must be stated clearly.

Use of following supporting material is permitted during examination.

(Mentioned in form No.205)

I. NIL

UNIT-I

- Q.1 (a) What is need of Programming Language? And also explain types of programming paradigms? [8]
 - What are main features of good programming language? (b)

[8]

OR

- Define Binding and Binding time? What are the different types of binding in respect of programming? [8]
 - What is compiler? Explain phases of compilers for given expression

R := K + T * 30

8

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UNIT-II

	rtuonline.com	141
Q 2 (a) Explain type checking and type conversion with suitable Example?	
	Gles? Explain various types of files?	181
(1		
	<u>OR</u>	Name and the
Q.2 (a	Explain the Implementation structure and union?	181
Q.2		osional
(P	A lighar is dit creix between array and vector? Explain multi-dimen	ia i i
	Array?	[8]
	UNIT-III	
**		
Q.3 (a)	What is Exception harding? Explain difference Between Exception	on and
	Champilation Famous	181
	Compilation Error?	(15)
(b)	What is SUB-Program? Explain difference between simple and	reunere
		101
	SUB Program?	[8]
	<u>OR</u> .	
02 (1)		.1.0 [01
Q.3 (a)	What are the actual and formal parameters? Explain with suitable examp	
(p)	What is sequence control? Example sequence control for	recursive
	SUB Program? rtuonline.com	[8]
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	<u>UNIT-IV</u>	
Q.4 (a)	What do you mean by static and dynamic scope of a data member?	(8
	Explain various parameters transmission:	400
(b)		
UE	(i) Call by value	
	(ii) Call by reference	

		OR	[8]
	Q.4 (a)	What is difference between local and shared data?	181
	(b)	Write short notes ON Tasks?	
		UNIT-V	
		rtuonline.com	[8]
	Q.5 (a)	Explain static and stack- Based storage management?	[8]
		This storage management fixed and variable size heap	data element?
	(b)		
		<u>OR</u>	[4×4=16]
	Q.5 Exp	lain with example (ANY FOUR):-	[4×4-10]
	(a)	Garbage Collection	
	(b)	Type definition	
	(c)	Abstract Data type	
	(d)	Information hiding	
	(e)	ENCAPSULATION	
	(0)		
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V		ENCAPSULATION	
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