SPPU-SE-COMP-CONTENT - KSKA Git

Total	l No	No. of Questions : 8] SEAT N	o. :
P65	51	T	otal No. of Pages : 2
		[5869]-280	
		S.E. (Computer Engineering)	
		PRINCIPLES OF PROGRAMMING LANGU	J AGES
		(2019 Pattern) (Semester - IV) (210255	
		00000	,
Time	: 21	2½ Hours]	[Max. Marks : 70
Instr	ucti	ctions to the candidates:	
	<i>1</i>)	Attempt Q1 or Q2, Q3 or Q4, Q5 or Q6, Q7 or Q8.	
	<i>2</i>)		0-
•	<i>3</i>)	Assume suitable data if necessary.	3
Q 1)	a)) Describe primitive data types. List the primitive data	types in Java and
2-)	α,	ther respective storage capacity.	[6]
	b)		
	c)		[6]
		OR	
Q2)	a)) Define String in Java. Explain following operations	of class strings in
		Java with example.	[6]
		i) To find length of the string	
		ii) To compare two strings	
		iii) To extract a character from a string	
		iv) To concatenate two strings	کن:
	b)		atures of Java. [6]
		i) Secure	
		ii) Architectural Neutral	\ 00?
		iii) Distributed	
	c)	Summarize different access controls in Java. Explain remove static modifier from the main method.	
		Temove static modifier from the main method.	[6]
Q 3)	a)) State the difference between character and byte stream	in Iava Give any
23)	u)	two input and any two output classes for character str	
			[0]
	b)	Describe Exception. Explain keywords try, catch, the	hrow, throws and
	,	finally related to exception handling.	[6]
	c)) Define package and interfaces in Java? Explain it with su	itable example.[5]

P.T.O.

SPPU-SE-COMP-CONTENT - KSKA Git

<i>Q4</i>)	a)	Define is inheritance. List the advantages of Inheritance. Explain Simple	9			
		inheritance in java with example. [6]				
	b)	Elaborate the significance of key word "Super" in Java. Demonstrate				
		with example for Super keyword in Java constructor. [6]				
	c)	State the importance of finally blocks. Illustrate the ways finally block	ζ.			
		differ from finalize() method. [5]]			
Q 5)	a)	Interpret the terms multitasking and multiprocessing and multithreading				
		in Java with example. [6]]			
	b)	List the Features, advantages and limitations of Angular JS. [6]]			
	c)	Write the JavaScript code to create Login page Form. [6]]			
		OR				
Q6)	a)	Compare React JS and Angular JS and Vue JS. [6]				
	b)	Elaborate the terms getPriority() and setPriority() methods with example.				
		[6]	-			
	c)	Explain the uses of isAlive() and Join() methods in Java thread with				
		example. [6]]			
~ - \						
<i>Q7</i>)	a)	Describe Functional Programming Enlist its features. Also list the				
	1 \	commonly used functional programming languages. [6]				
	b)					
		of the following s-expression: [6]	J			
		i) (apple orange pear grapes)				
		ii) ((apple orange) (pear grapes))	0-			
	۵)	iii) (((apple)(orange) (pear) (grapes))) Evaloir the concept of (State styres) in Prolog with every least 15	3			
	c)	Explain the concept of "Structures" in Prolog with example. [5]	JV			
Q8)	2)	OR Describe Logical Programming. Enlist its features. Also list the commonly				
Q0)	<i>a)</i>	used Logical programming languages. [6]				
	b)	Write a LISP program to find the factorial of n numbers using recursion				
	0)	concept. [6]				
	c)	Explain the following number predicates using suitable example. [5]				
	• /	i) NUMBERP	,			
		ii) ZEROP				
		iii) PLUSP				
		iv) EVENP				
		v) ODDP				
		Explain the following number predicates using suitable example. i) NUMBERP ii) ZEROP iii) PLUSP iv) EVENP v) ODDP				
		666				