

SW-119

Total No. of Pages: 02

Seat			H
No.			

B.C.A. (CBCS) Part-III (Semester-VI)

Examination, March 2024.

R PROGRAMMING

		-	1	r	1	KUGKA	IATIA	inig				
		1)			Sub. Code:	882	96				
	N	D	W			2 2024			То	tal Marks: 70		
				esday, 2		13-2024			10	al Marks: 70		
Гim	e: 02	.30 p.	m. to 0	5.30 p.i	n.							
Instructions:		1)	Q.1 and Q.6 are compulsory.									
			2)	Attempt ANY THREE questions from Q.2 to Q.5.								
			3)			the right in						
			3)	Draw	a d	iagram wher	e it is	necessary.				
Q.1	Cho	ose th	e corre	ct answe	r in	each of the f	ollow	ing questions	•	(10)		
	1)	Which function is used to draw points (markers) in a diagram?										
		(A)	d()		(B)	draw()	(C)	plot()	(D)	canvas()		
	2)	The following values: 10.5, 55 and 787, belongs to which data type?										
		(A)	numer		(B)		(C)			All of these		
	3)) Which operator can be used to compare two values?										
		(A)	=		(B)	<>	(C)	==	(D)	><		
	4)	How	do you	call a fu	ncti	on in R?						
		(A)		nction()			(B	my function	on;	4		
		(C)		nction[]			(D) (my_functi	on);			
	5)	Wha	t is the	correct w	vay t	o create a vec	tor of	strings?				
		What is the correct way to create a vector of strings? (A) fruits <- v("banana", "apple", "orange")										
		(B) fruits <- c("banana", "apple", "orange")										
		(C) fruits <- list("banana", "apple", "orange")(D) fruits <- listOF("banana", "apple", "orange")										
	6)											
	0)	A (A)	High			ariable that ho	(B)					
		(C)	Duple	x			(D)	Scalar variabl	e			
		(-)				1	,			P.T.O.		

	7)		What will be the output of the following R code? sqrt(-17)										
		(A)	NaN	(B)	3.67	(C)	4.02	(D)	-4.02				
	8)	111772	ich function ensions?	takes a	a dim attril	bute whi	ch creates	the req	uired num	ber of			
		(A)	Array	(B)	Lists	(C)	Matrix	(D)	Vector				
	9)	Whi	ch statement	is used t	to stop a loc	p?							
		(A)	stop	(B)	exit	(C)	break	(D)	return				
	10)	Whi	ch function i	s often u	sed to conc	atenate el	ements?						
		(A)	join()	(B)	merge()	(C)	paste()	(D)	concat()				
Q.1	b)	Atte	mpt ANY T	WO que	estions.					(10)			
		1)	Explain var	riables ar	nd constants	s in R Pro	gramming.						
		2)	Illustrate St	tring mar	nipulation.	NI							
		3)	Describe ba	asic oper	ations on da	ata frame	S.						
					A)							
2.2	Wri	te prog	ram to conve	ert Decir	nal number	into Bina	ary number	using Re	cursion in	R. (10)			
2.3	Wha	at is a N	Matrix? Expl	ain diffe	rent operati	ons on M	latrices with	n an exan	ıple.	(10)			
).4	Wha	at is use	er defined fu	nction? I	Explain form	nal and a	ctual argum	ents in d	etail.	(10)			
2.5	Illus	strate ar	ny five Built	-in functi	ion in R wit				1	(10)			
0.6	Wri	te shor	rt notes. (An	y four)			Krantive	er		(20)			
	1)	User	input in R pr	rogramm	ing	12	gui.	188					
	2)	Extra	cting a subse	et of a da	ta frame.	Koll		and	1				
	3)	Barp	lot			ege	LIBRA	RY					
	4)		ed arguments	s in funct	ion	13		Jan Jan					
	5)	Ifels				1	LIBRA	EIQ!					
	6)	Vecto	ors in R.										

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