JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT TEST -3 EXAMINATIONS-2022

B.Tech-IV Semester (BI/BT)

	B.Te	ch-IV Semester (BI/BT)		
COURSE CODE (CRED	ITS): 18B11E	I414		
COURSE NAME: Progra	MAX. MARKS	MAX. MARKS: 35		
COURSE INSTRUCTOR	S: Dr. Kapil	Sharma	MAN mrs -	
Note: All questions are co	mnulson Me	who to	MAX. TIME: 2	Hours
Note: All questions are co brackets.	тривогу. ми	rks are indicated agains	t each question in square	45
				7
Q1. Write a non-recursive	program in (, to calculate the factori	al of a given number? [2	
Q2. Evaluate the following	expression si	ep by step and find the v	ar of a given number? [3	_
	\$k=7'	*4 - 9/3+5**2%3+5*4	ande of K	[2]
Q.3 With help of a suitable	example defi	no follow:		
a) push	overubic dell	ne ronowing array flincti	ions in perl	[4]
·) pop	c)shift	d) unshift	
Q.4 With help of a suitable	example defin	ne following loop control	statement in perl	[3]
u) Hoxt	b)	last		
Q.5 Assume a file "kapil.txt	" contains so	ne text lines. Write a pro	C) ICO	
odd number lines form file	'kapil.txt''? [®] @	e lina no 1257	gram in peri to print the all	
Q.6 What is the difference h	etween to	.c. mc no. 1,3,5,/)		[3]
Q.6 What is the difference b	ctween tuples	and lists? Explain with	the help of an example?	[4]
Q.7 Write a program to store then print the currency of CI	othe name and	corresponding currency	y of countries given in table	
then print the currency of Ch	iina and Nepa	l.		
	Bangladesh	Bangladeshi taka		[4]
	Bhutan	Bhutanese ngultrum	1	
	China	Chinese Yuan Renm	ì	
	Maldives	Maldivian rufiyaa		
	Nepal	Nepalese rupee		
*. ·	Sri Lanka	Sri Lankan rupee	-	
		·	!	
2.8 Write a program to enter	a number and	diant- 1 1 1 1 1		

Q.8 Write a program to enter a number and display its hex decimal, octal equivalent and square root of that number?[Note: square root might be non integer] [4] Q.9 An electricity board generate the electricity bill based on the following information

Consumption	Rate of Charge	
0-150 unit	3 rs. Per unit	
151-350 unit	100 rs. Plus 3.75 rs per unit exceeding 150 units	
351-450 unit	250 rs. Plus 4.5 rs per unit exceeding 350 units	
451-600 unit	400 rs. Plus 5.25 rs per unit exceeding 450 units	
Above 600 unit	500 rs. Plus 6 rs per unit exceeding 600 units	

Write a program to calculate the electricity bill when number of unit is entered by user. [4]
Q.10 Write a program to enter a binary number (0's and 1's) and convert it into decimal number

[4]