

MID-TERM EXAMINATION

(Course Name : B. Tech.) (Semester : 1)

(October 2024) OFF LINE mode

Subject Code: BAI 102	Subject: IT WORKSHOP
Time : 1 $\frac{1}{2}$ Hours	Maximum Marks :30

Note: Q1 is compulsory. Attempt any two parts of Q2 and Q3

Q1	Discuss:	(2.5*4=10)	CO Mapping
	(a) Write about vectors in R, also apply two arithmetic operations on vectors		
	(b) Explain advantages in R in comparison to other languages.		
	(c) WAP to find average of 3 numbers		
	(d) WAP to calculate mode of elements in a vector		
UNIT I			CO Mapping
Q2	Attempt any two parts	(5*2=10)	
	a) Define data structure with different types of data structure in R.		
	b) Implement sorting in R without using the sort function.		
	c) WAP to whether the given number is Armstrong or not(user input)		
UNIT II			CO Mapping
Q3	Attempt any two parts	(5*2=10)	
	a) Explain operation on matrices		
	b) WAP to print a series of squares and cubes from 1 to a given number (input from user)		
	c) WAP to find number of vowels in a given string(user input)		