## JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT TEST -2 EXAMINATION- 2025

## B.Tech- VI Semester (CSE/IT)

COURSE CODE (CREDITS): 19B1WCI637 (2)

MAX. MARKS: 25

COURSE NAME: Statistics and Exploratory Data Analytics

COURSE INSTRUCTORS: Meghna Dhalaria

MAX. TIME: 1 Hour 30 Min

Note: (a) All questions are compulsory.

(b) The candidate is allowed to make Suitable numeric assumptions wherever required for solving problems

(c) Calculator is allowed

Q.No			Que	stion			CO	Marks	
Q1	a. Use the								
	hierarchical		-						
	The dendog		[5]						
	merged.		"						
	]	P1	P2	P3	P4	P5			
	P1	0.00	0.10	0.41	0.55	0.35	CO4		
	P2	0.10	0.00	0.64	0.47	0.98			
	P3	0.41	0.64	0.00	0.44	0.85			
	P4	0.55	0.47	0.44	0.00	0.76			
	P5	0.35	0.98	0.85	0.76	0.00			
	b. How doe								
	and what te		[2]						
	accuracy an								
Q2	The followi		-						
j	day turned								
	machines.	nachines.							
			CO1	[8]					
			Α	В	C	D			
		1	44	38	47	36			
	Workers	2	46	40	52	43			
	] [	3	34	36	44	32			
			- 40	38	46	33			
		4	43	<i>J</i> 0	10 1				
		5	38	42	49				
						39			
	1. Test whet	5	38	42	49	39			
	Test whet Test whet	5 her the five	38 men differ v	42 vith respect t	49 o mean pro	ductivity.			

a. In a labo	a. In a laboratory experiment two samples gave the following results.					
Sample	Size	Mean -	Sum of Square deviation from mean			
1	10	15	90		/2 2	
2	13	14	108	CO1	NA IN	
Test equal		[3]				