JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

Make-up Examination-Nov-2025

BBA-III Semester

COURSE CODE (CREDITS): 23BB1HS311 (4)

MAX. MARKS: 25

COURSE NAME: STATISTICS FOR BUSINESS DECISIONS

COURSE INSTRUCTORS: ASA

MAX. TIME: 1 Hour 36 Minutes

Note: Note: (a) All questions are compulsory.

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

for solving problems

Q.No	Question								CO	Marks
Q1	The following observations are for two quantitative variables, X and Y.									6 (3+1
	Observation	X	Y	Observation	X	Y		" "My		+1+1)
	11	28	72	11	13	98 %				
	2	17	99	12	84	21	Mark Mark		ł	
	3	52	58	13	59	32	400			
	4	79	34	14	17.	% 81 % 3°				
	5	37	60	15	270	34			İ	
	6	71	22	16	47.	64				ł
	. 7	37	77	# 17X C)	× 35	68			l	
	8	27	85	18 18	62	67				İ
	9	64	45	Î9	30	39				
	10	53	47	20	43	28				
)2 to	 a. Develop a crosstabulation for the data, with X as the row variable and Y as the column variable. For X use classes of 10-30, 30-50, and so on; for Y use classes of 40-60, 60-80, and so on. b. Compute the row percentages. c. Compute the column percentages. d. What is the relationship, if any, between X and Y? Rind the value of mean, mode and median from the data given below:									
5 M. 18	ighte the value	below:	1	6 (2+2 +2)						
YARIAN YA			1 -	102 100	113	118	- 123-	128-		•
2		98	1	103- 108-				1 11		
The same of the sa	(cm) 97	10:	2	107 112	117	122	127	132		
22			2					i II		

Q3	Lives of two models of bil	2	4 (2+2)				
	Life (No of Years)	Model 1	Model 2				
	0-2	5 16 13	2 7 12 19 9				
	2-4						
	4-6						
	6-8	7			İ		
	8-10	5			*		
	10 - 12	4	1		Marie A.		
	What is the average life of uniformity?		M				
Q4	Given that the mean of a distribution is 4, the variance is 16, and the moment coefficient of skewness is 2, find the first three moments about the origin.						
Q5	Write short notes on the fo a) Quartiles b) Descriptive Statistic c) Histogram d) Sampling e) Scatter Plot		rds)	1	5 (1x 5)		