



BRAINWARE UNIVERSITY

Term End Examination 2023-2024 Programme – BBA(DM)-Hons-2023 Course Name – Statistics for Analysis Course Code - BBD20001 (Semester II)

Full Marks : 60 Time : 2:30 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A 1 x 15=15 (Multiple Choice Type Question) 1. Choose the correct alternative from the following: (i) Select the positional average a) Mean b) Median c) Mode d) Median & Mode (ii) Choose the correct option a) Histogram helps in finding Mean b) Histogram helps in finding Median c) Histogram helps in finding Mode d) Histogram helps in finding Standard Deviation (iii) When all the obsevations are same, what will be standard deviation? a) 1 b) 2 c) 3 d) 0 (iv) Select the correct option: square of standard deviation known as a) Mean Deviation b) Quartile Deviation c) Mode d) variance (v) Determine the range for the following data set: 1, 3, 11, 5, 9

b) 3

c) 11 d) 10
(vi) Select the average that requires Class Boundaries only.
a) Mean and Median b) Mean and Mode

a) 1

c) Median and Mode d) All

(vii) Tabulate the probabilty of drawing a Diamond Card from a pack of cards.

a) 41275 b) 41306 c) 41334 d) 0

(viii)	Tabulate Standard Deviation of the set (18,23,14,	3,17).		
	a) 5.55	b) 4.44		
<i>.</i>	c) 6.66	d) 7.77		
(IX)	x) Predict Variance if Mean and CV are 100 and 45% respectively.			
	a) 105	b) 25		
/v)	c) 102	d) 2025		
(×)	Identify the Mean of the sampling distribution, if the mean of a number is 18.			
	a) 8 c) 7	b) 12		
(xi)	c) 7 d) 18 Predict the range of the given sets of data 7,47,8,42,47,95,42,96,2			
()	a) 2	b) 56		
	c) 45	d) 94		
(xii)	Identify the range of probability	4,5		
	a) 0 to 1	b) 1 to 2		
	c) 0 to 2	d) 0 to 4		
(xiii)	Define stastic			
	a) any measure of central tendency	b) Any measure of population		
	c) Any measure of sample	d) None of these		
(xiv)	Identify the correct option: The observation which	h occurs most frequently in a sample is		
	a) Mode	b) Mean		
	c) Median	d) Variance		
(xv) Select thecorrect answer: Scores that differ greatly from the measures of central t are called				
	a) raw score	b) best score		
	c) bad score	d) extreme score		
	Group	n-R		
(Short Answer Type Questions)			3 x 5=15	
	(0.1333)	•		
2. Predict Mean if median and mode are 20 and 10 respectively.			(3)	
3. Write a short note on skewness.			(3)	
4. Write down the characteristics of nornmal curve.			(3) (3)	
5. Write a short note on Ogive			(3)	
6. Ca	6. Calculate the means if the two regression equations are given as 2x+3y=7 and 5x+2y=12. (3) OR			
Ca	Calculate the probability of getting two heads if three coins are tossed together.			
	Group	p-C		
(Long Answer Type Questions)			5 x 6=30	
	, -			
7 [explain Normal distribution.		(5) (5)	
ΩI	In a simultaneous throw of a pair of dice, find the probability of getting a total more than 7.			
9. Write down the characteristics of correlation coefficient.			(5) (5)	
10 5	10. Explain the importance of statistics.			
11. E	xplian the significance of measuring dispersion.		(5) (5)	
12. l	12. Interpret the regression coefficients OR (5)			
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Explain the advantages of sampling in 100 words

(5)