SHRIMATHI DEVKUNVAR NANALAL BHATT VAISHNAV COLLEGE FOR WOMEN (AUTONOMOUS)
(Affiliated to the University of Madras and Re-accredited with 'A+' Grade by NAAC)
Chromepet, Chennai — 600 044.
BBA END SEMESTER EXAMINATIONS NOVEMBER-2022
SEMESTER - III
20UBACT3007 - Business Statistics - I

Total Duration : 2 Hrs 30 Mins. **Total Marks : 60**

Section A

Answer any **SIX** questions $(6 \times 5 = 30$ Marks)

1. List out any five points in limitations of Statistics.

2. State the advantages of personal interview as a primary data collection.

3. Compute Arithmetic mean by direct method

Marks	0-10	10-20	20-30	30-40	40-50	50-60
No. of. Students	5	10	25	30	20	10

4. Find the value of median from the following data

Income (Rs.)	1000	1500	800	2000	2500	1800
No of Person	24	26	16	20	6	30

5. Define the following terms
   A) Symmetrical Distribution
   B) Positively Skewed Distribution

6. Calculate the value of quartile deviation and its coefficient from the following data

Roll no	1	2	3	4	5	6	7
Marks	20	28	40	12	30	15	50

7. Solve using Karl Pearson's coefficient of correlation from the following data

Roll no.of students	1	2	3	4	5
Marks in Accountancy	48	35	17	23	47
Marks in Statistics	45	20	40	25	45

8. Calculate Spearman's rank correlation coefficient. Two ladies were asked to rank 7 different types of lipsticks. The ranks given by them are as follows:

Lipsticks	A	B	C	D	E	F	G
Lakshitha	2	1	4	3	5	7	6
Kanishka	1	3	2	4	5	6	7

Contd...

Section B

Answer any **THREE** questions $(3 \times 10 = 30$ Marks$)$

9. Explain "Tabulation of Data" in detail.

10. State the Methods of collecting Primary data.

11. Calculate Median and Mode from the following data

Marks	10	20	30	40	50	60
No of Students	8	23	45	65	75	80

12. Compute coefficient of skewness based on quartiles and median from the following data

Variable	Frequency
0-10	12
10-20	16
20-30	26
30-40	38
40-50	22
50-60	15
60-70	7
70.-80	4

13. Evaluate two regression equation from the data given below

Marks in Economics	Marks in Statistics
25	43
28	46
35	49
32	41
31	36
36	32
29	31
38	30
34	33
32	39

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