QPC: RA19BBA025 AR 19 Reg. No | | | | | | | | | | |

GIET UNIVERSITY, GUNUPUR – 765022

B. B. A (First Semester) Examinations, April – May ′ 2021

(103– Quantitative Techniques for Management)

Time: 2 hrs Maximum: 50 Marks

The figures in the right hand margin indicate marks.

PART – A: (Multiple Choice Questions) **(1 x 10 = 10 Marks)**

Q. 1 Answer ***ALL*** questions

a. The class interval of the continuous grouped data 10-19,20-29,30-39,40-49,50-59 is
(i) 9 (ii) 10
(iii) 14.5 (iv) 4.5

b. The column heading of a table are known as
(i)Subtitles (ii) stubs
(iii)reference notes (iv) captions

c. pie charts represents the components of a factor by
(i) percentage Circles (ii) angles
(iii) sectors (iv) Circles

d. which of the following represents Median?
(i) first quartile (ii) fifth percentile
(iii) sixth deciles (iv)) none of the above

e. For negatively skewed distribution the correct inequality is
(i) Mode <median (ii))Mean <median
(iii) Mean <Mode (iv) none of the above

f. Which measures of dispersion ensures highest degree of reliability
(i) Range (ii) Mean deviation
(iii) quartile deviation (iv) standard deviation

g. If row =1 the angle between the two lines of regression is
(i) zero degree (ii) ninety degree
(iii)sixty degree (iv) Thirty degree

h. Regression equation is also named as
(i) Prediction equation (ii) estimator equation
(iii) line of average relationship (iv) D) all the above

i. The term regression was introduced by
(i) RA Fisher (ii) Sir Francis Galton
(iii) Karl Pearson (iv) none of the above

j. If the coefficient of kurtosis γ tool of distribution is 0, to the frequency Curve is
(i) leptokurtic (ii) platykurtic
(iii) Mesokurtic (iv) Any of the above

PART – B: (Short Answer Questions) **(2 x 5 = 10 Marks)**

Q.2. Answer ***ALL*** questions

a. Define statistics

b. Define Geometric Mean.

c. How could you find out the mode of a discrete frequency distribution

d. What is meant by skewness?

e. What are the uses of regression analysis?

PART – C: (Long Answer Questions) **(6 x 5 = 30 Marks)**

Answer ***ANY FIVE*** questions

3. What are the factors responsible for the choice of a chart, diagram and graph?

4. Give briefly the characteristic of a good questionnaire or a schedule.

5. From the following data of the marks obtained by 60 students of a class. calculate the arithmetic mean.

Marks(x) : 20 30 40 50 60 70

No of Students(f): 8 12 20 10 6 4

6. Write the merits and demerits of Geometric mean.

7. Explain the different measures of dispersion.

8. Calculate Pearson's coefficient of skewness.

Size (x)	1	2	3	4	5	6	7
Frequency(f)	10	18	30	25	12	3	2

9. Explain scatter diagram.

10. From the following data, find the most likely production corresponding to the rainfall of 40 cm.

	Rain fall (in cm)	Production (tonnes)
Mean	35	50
SD	5	8
Coefficient of correlation	0.8	

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