GVM's GGPR College of Commerce & Economics, Farmagudi- Ponda, Goa. B.Com (Semester IV) Intra Semester Assessment (ISA) Test - 1, January 2020 BUSINESS STATISTICS - II

Duration: 30 minutes

Marks: 10

(2 Mks)

Answer the following:-

Q1) Draw a scatter diagram to represent the following data.

X	8	15	22	18	10	4
у	25	32	28	31	20	16

Q2) The coefficient of correlation between 2 variables x and y is 0.4 and covariance is 16. The variance of y is 16. Find the standard deviation of x. (2 Mks)

Q3) Rank correlation coefficient is 0.6. The sum of squares of difference of ranks is 48. Find the number of observations. (2 Mks)

Q4) If $\sigma_x = 5$, $\sigma_y = 4$ and r = 0.6, find the two regression coefficients. (2 Mks)

Q5) If $\overline{x} = 100$, $\overline{y} = 18$, $\sigma_x = 20$, $\sigma_y = 14$, r = 0.8. Find regression equation of y on x. (2 Mks)

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