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GURUDAS COLLEGE

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Date: 03.03.2021

Internal Assessment – 2021 B. Com Semester – III (Hons & General) Sub: Statistics Sub Code: GE3.1Chg Full Marks: 05 Time: 12 – 12:45pm

Answer any five questions: (1x5=5)

Choose the correct option:

- The correlation coefficient lies between
 (a) 1and 2
 (b) -1 and 1
 (c) 0 and 1
 (d) none of these.
- 2. If $b_{yx} = -1.8$, $b_{xy} = -0.2$, then r_{xy} is equal to (a) 0.36 (b) 0.6 (c) ± 0.6 (d) -0.6
- 3. The correlation coefficient between X and Y is 0.6. Their covariance is 4.8. The variance of X is 9. Then the standard deviation of Y is
 (a) 2.66 (b) 0.042 (c) 1.042 (d) 0.89
- 4. The farther the two regression coefficients cut each other(a) The greater will be the degree of correlation
 - (b) The lesser will be the degree of correlation
 - (c) Does not matter
- 5. General increase in sale of computers is associated with
 (a) Seasonal variation
 (b) Secular Trend
 (c) Cyclical variation
 (d) Irregular variation.
- 6. Time period of seasonal variation is(a) Less than two years (b) more than 1 year (c) not more than one year (d) None of these.

- 7. In fitting a parabolic curve of second degree the number of normal equations is (a) two (b) three (c) four (d) none of these.
- 8. Fisher's ideal index is
 - (a) A.M of Laspeyre's and Paasche's index
 - (b) Median of Laspeyre's and Paasche's index
 - (c) G.M of Laspeyre's and Paasche's index
 - (d) None of these.

Your PDFs are to be sent to following e-mail ids:

General: comgsem3@gmail.com