

Mugberia Gangadhar Mahavidyalaya
Assignment Questions 2023
3rd Semester of B.Com
Paper GE3T: BUSINESS STATISTICS

Q1. Appreciate the differences between Long-term and Short-term Capital Assets.

Q2. Ms. Gupta a salaried employee in the month of May, 2006 purchased a piece of land for ₹ 84000 and sold the same in April, 2022 for ₹1010000 (incl. Brokerage of ₹10000). What will be the amount of taxable income (Capital Gain) in the hands of Ms. Gupta.

Q3. Mr. Manna a salaried employee in the month of January, 2016 purchased 1000 shares of X Ltd. @ ₹1400 per share from Bombay Stock Exchange. These shares were sold through BSE in April, 2023 @ ₹2650 per share. The highest price of X Ltd. shares quoted on the stock exchange on January 31, 2018 was ₹1850 per share. Identify the nature of capital gain in this case.

Q4. Calculate Spearman's coefficient of correlation between marks assigned to ten students by Judges X and Y in a certain competitive test as shown below:

Sl. No.	1	2	3	4	5	6	7	8	9	10
Marks by Judge X	52	53	42	60	45	41	37	38	25	27
Marks by Judge Y	65	68	43	38	77	48	35	30	25	50

Q5. The following data give the demand (X) and supply (Y) in a market on 11 days.

- (i) Obtain the regression of Y on X, and
(ii) Calculate the Coefficient of Correlation.

X	61	72	73	73	63	84	80	66	76	74	72
Y	40	52	59	53	61	58	56	42	58	50	50

Q6. Describe the properties of Coefficient of Correlation.

Q7. Explain the significance of errors in the estimate of coefficient of correlation.

Q8. Explain how Regression analysis complements the measure of coefficient of correlation.

Q9. Non-sense Correlation vs. Spurious Regression - Discuss.

Q10. Obtain the lines of regression from the following data:

X	4	5	6	8	11
Y	12	10	8	7	5

Verify that the coefficient of correlation is the geometric mean of the two coefficients of regression.