



Unique Science Academy, 60 – D Nawab Town, Lahore

Statistics 12 Monthly Test

(Chapter 15 and 16 – Association and Time Series)

07 August 2024

Allowed Time: 40 minutes

Total Marks: 25

Question 1: Test the association / dependence between Desired way of being asked out and Gender. (Data is on the backside of the page)

Marks

- (i) Use 5% Level of Significance. (5)
- (ii) Use 1% Level of Significance. (5)

Question 2: The following time series data is given as follows:

Year	1970	1971	1972	1973	1974	1975	1976	1977	1978
Values	12	23	37	48	41	37	48	61	70

(Marks)

- (i) Fit the line using semi – average method. (5)
- (ii) Calculate three years moving average. (5)
- (iii) Fit the straight line using least square method. (5)