INDIAN SCHOOL SOHAR
UNIT TEST 2 (2023 – 2024)
ECONOMICS (030) [SET1]

STD: - XI
DATE: - 17/01/ 2024

MAX MARKS: - 20
TIME: 40 MINUTES

General Instructions: -
1. All questions are compulsory.
2. There is no overall choice in the question paper. However, an internal choice has been provided in one question of 3 marks, and one question of 6 marks.

1. When both the demand and supply curves shift to indicate increase in demand and supply in the same proportion [1]

   A. Only equilibrium price remains unchanged.

   B. Only equilibrium quantity remains unchanged.

   C. Equilibrium price remains unchanged but equilibrium quantity decreases.

   D. Equilibrium price remains unchanged but equilibrium quantity increases

2. Elasticity of supply is said to be perfectly inelastic when. [1]

   A. Percentage change in supply is equal to percentage change in price.

   B. Percentage change in supply is greater than percentage change in price.

   C. Percentage change in supply is less than percentage change in price.

   D. Percentage change in supply does not change to percentage change in price.

3. For finding the degree of agreement or disagreement between two judges when deciding the result of a competition, we use [1]

   A. Karl Pearson's coefficient of correlation   B. Scatter diagram

   C. Spearman's coefficient of correlation   D. None of these

4. When X falls and Y also falls, there is perfect correlation between the two. The coefficient of correlation between the two is: [1]

   A. Zero   B. Infinity

   C. + 1   D. − 1

5. What is the increase in supply? State any two factors that can cause it. [3]

<div align="center">OR</div>

   Distinguish between change in supply and change in quantity supplied.

6. Calculate the coefficient of rank correlation between the marks in economics and statistics as Indicated by 8 answer books of each of two examiners. [3]

Marks in economics	15	10	20	28	12	10	16	18
Marks in statistics	40	30	50	30	20	10	30	60

7. How will the change in the price of coffee affect the equilibrium price of tea? Explain the effect on equilibrium quantity also. Use diagram. [4]

OR

The following headline appeared in the Hindustan Times on 2 August 2014: 'Crop damaged in Himachal sent tomato prices roaring in Delhi.' Use a diagram and economic theory to analyze the statement.

8. Calculate Karl Pearson's coefficient of correlation from the following data: [6]

X	50	54	56	58	59	60	61	62	65	75
Y	20	22	24	30	32	36	38	40	44	54