

MCQ 16.59

For even number of years when origin is in the centre and the unit of X being one year, then X can be coded as:

(a) $X = (\text{year} - \text{average of years})/2$

(b) $X = \text{year} - \text{average of years}$

(c) $X = \text{year} - 0.5 \text{ average of years}$

(d) $X = \text{average of years} - \text{year}$

MCQ 16.60

For even number of years when origin is in the centre and the unit of X being half year, then X can be coded as:

(a) $X = \text{year} - \text{average of years}$

(b) $X = 2(\text{year} - \text{average of years})$

(c) $X = (\text{year} - \text{average year})/2$

(d) $X = \text{year} - \frac{1}{2} \text{ average of years}$

MCQ 16.61

In semi averages method, if the number of values is odd then we drop:

(a) First value

(b) Last value

(c) Middle value

(d) Middle two values

MCQ 16.62

The trend values in freehand curve method are obtained by:

(a) Equation of straight line

(b) Graph

(c) Second degree parabola

(d) All of the above



ER13

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- (a) Half year (b) One year (c) Both (a) and (b) (d) Two years

MCQ 16.54

A second degree parabola has:

- (a) One constant (b) Two constant (c) Three constant (d) No constant

MCQ 16.55

The normal equations in fitting a second degree parabola are:

- (a) Two (b) Three (c) Four (d) Five

MCQ 16.56

The second degree parabola is fitted to the time series when the variations are:

- (a) Linear (b) Nonlinear (c) Random (d) Downward

MCQ 16.57

In fitting a second degree parabola, the value of c is not affected with the change of :

- (a) Scale (b) Origin (c) Both (a) and (b) (d) Neither (a) and (b)

MCQ 16.58

For odd number of year, formula to code the values of X by taking origin at centre is:

- (a) $X = \text{year} - \text{average of years}$ (b) $X = \text{year} - \text{first year}$
(c) $X = \text{year} - \text{last year}$ (d) $X = \text{year} - \frac{1}{2} \text{ average of years}$



V RECORDER 57

Concept
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Concepts

MCQ 16.51

When the production of thing is decreasing, this stage is called:

- (a) **Recession** (b) Recovery (c) Prosperity (d) Depression

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MCQ 16.52

The straight line is fitted to the time series when the movements in the time series are:

- (a) Nonlinear (b) **Linear** (c) Irregular (d) Upward

MCQ 16.53

If an annual time series consisting of even number of years is coded, then each coded interval is equal to:

- (a) Half year (b) One year (c) **Both (a) and (b)** (d) Two years

MCQ 16.54

A second degree parabola has:

- (a) One constant (b) Two constant (c) **Three constant** (d) No constant

MCQ 16.45

The difference between the actual value of the time series and the forecasted value is called:

- (a) **Residual** (b) Sum of variation (c) Sum of squares of residual (d) All of the above

MCQ 16.46

A pattern that is repeated throughout a time series and has a recurrence period of at most one year is called:

- (a) Cyclical variation (b) Irregular variation (c) **Seasonal variation** (d) Long term variation

MCQ 16.47

A business cycle has:

- (a) One stage (b) Two stages (c) Three stages (d) **Four stages**

MCQ 16.48

When the production of a thing is maximum, this stage is called:

- (a) **Boom** (b) Recovery (c) Recession (d) Depression

MCQ 16.49

When the production of a thing is minimum, this stage is called:

- (a) Prosperity (b) Recession (c) Recovery (d) **Depression**

MCQ 16.50

When the production of thing is increasing towards prosperity, this stage is called as:

MCQ 16.42

A time series has:

- (a) Two components (b) Three components **(c) Four components** (d) Five components

MCQ 16.43

The multiplicative time series model is:

- (a) $Y = T + S + C + I$ **(b) $Y = TSCI$** (c) $Y = a + bX$ (d) $Y = a + bX + cX^2$

MCQ 16.44

The additive model of the time series is:

- (a) $Y = T + S + C + I$** (b) $Y = TSCI$ (c) $Y = a + bX$ (d) $Y = a + bX + cX^2$

MCQ 16.45

The difference between the actual value of the time series and the forecasted value is called:

- (a) Residual** (b) Sum of variation (c) Sum of squares of residual (d) All of the above

MCQ 16.46

A pattern that is repeated throughout a time series and has a recurrence period of at most one year is called:

- (a) Cyclical variation (b) Irregular variation **(c) Seasonal variation** (d) Long term variation

MCQ 16.47

A business cycle has:

MCQ 16.39

Semi-averages method is used for measurement of trend when:

- (a) **Trend is linear** (b) Observed data contains yearly values
(c) The given time series contains odd number of values (d) None of them

MCQ 16.40

Moving-averages:

- (a) Give the trend in a straight line (b) Measure the seasonal variations
(c) **Smooth-out the time series** (d) None of them

MCQ 16.41

The rise and fall of a time series over periods longer than one year is called:

- (a) Secular trend (b) Seasonal variation (c) **Cyclical variation** (d) Irregular variation

MCQ 16.42

A time series has:

- (a) Two components (b) Three components (c) **Four components** (d) Five components



MCQ 16.36

In fitting of a straight line, the value of slope remains unchanged by change of:

- (a) Scale **(b) Origin** (c) Both origin and scale (d) None of them

MCQ 16.37

Depression in business is:

- (a) Secular trend **(b) Cyclical** (c) Seasonal (d) Irregular

MCQ 16.38

In fitting of straight line $\sum(Y - \hat{Y})^2 = 0$

(a) All the observed Y values lie on the line

- (b) All the Y values are greater than corresponding $\hat{Y}$ values
(c) All the Y values are positive
(d) None of them

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MCQ 16.31

Increased demand of admission in the subject of computer in Pakistan is:

- (a) Secular trend (b) Cyclical trend (c) Seasonal trend (d) Irregular trend

MCQ 16.32

Damages due to floods, droughts, strikes fires and political disturbances are:

- (a) Trend (b) Seasonal (c) Cyclical (d) Irregular

MCQ 16.33

The general pattern of increase or decrease in economics or social phenomena is shown by:

- (a) Seasonal trend (b) Cyclical trend (c) Secular trend (d) Irregular trend

MCQ 16.34

In moving average method, we cannot find the trend values of some:

- (a) Middle periods (b) End periods (c) Starting periods (d) Between extreme periods

MCQ 16.35

The best fitting trend is one which the sum of squares of residuals is:

- (a) Negative (b) Least (c) Zero (d) Maximum

MCQ 16.36

MCQ 16.27

The most commonly used mathematical method for measuring the trend is:

- (a) Moving average method (b) Semi average method
(c) Method of least squares (d) None of them

MCQ 16.28

A trend is the better fitted trend for which the sum of squares of residuals is:

- (a) Maximum (b) Minimum (c) Positive (d) Negative

MCQ 16.29

Decomposition of time series is called:

- (a) Historigram (b) Analysis of time series (c) Histogram (d) Detrending

MCQ 16.30

The fire in a factory is an example of:

- (a) Secular trend (b) Seasonal movements (c) Cyclical variations (d) Irregular variations

MCQ 16.31

Increased demand of admission in the subject of computer in Pakistan is:

- (a) Secular trend (b) Cyclical trend (c) Seasonal trend (d) Irregular trend



MCQ 16.24

When the trend is of exponential type, the moving averages are to be computed by using:

- (a) Arithmetic mean **(b) Geometric mean** (c) Harmonic mean (d) Weighted mean

MCQ 16.25

The long term trend of a time series graph appears to be:

- (a) Straight-line (b) Upward (c) Downward **(d) Parabolic curve or third degree curve**

MCQ 16.26

Indicate which of the following an example of seasonal variations is:

- (a) Death rate decreased due to advance in science
(b) The sale of air condition increases during summer
(c) Recovery in business (d) Sudden causes by wars

MCQ 16.27

The most commonly used mathematical method for measuring the trend is:



MCQ 16.19

In semi averages method, we divide the data into:

- (a) Two parts **(b) Two equal parts** (c) Three parts (d) Difficult to tell

MCQ 16.20

The sum of squares of residuals is denoted by:

- (a) $Y - \hat{Y} = e$ (b) $\sum (Y - \hat{Y}) = \sum e$ (c) $(Y - \hat{Y})^2 = e^2$ (d) $\sum (Y - \hat{Y})^2 = \sum e^2$

MCQ 16.21

In fitting a straight line, the value of slope **b** remain unchanged with the change of:

- (a) Scale **(b) Origin** (c) Both (a) and (b) (d) Neither (a) and (b)

MCQ 16.22

If a straight line is fitted to the time series, then:

- (a) $\sum Y = \sum \hat{Y}$ (b) $\sum Y < \sum \hat{Y}$ (c) $\sum Y > \sum \hat{Y}$ (d) $\sum (Y - \hat{Y})^2$

MCQ 16.23

Moving average method is used for measurement of trend when:

- (a) Trend is linear** (b) Trend is non linear (c) Trend is curvilinear (d) None of them



MCQ 16.14

Most frequency used mathematical model of a time series is:

- (a) Additive model (b) Mixed model **(c) Multiplicative model** (d) Regression model

MCQ 16.15

A time series consists of:

- (a) No mathematical model (b) One mathematical model
(c) Two mathematical models **(d) Three mathematical models**

MCQ 16.16

In a straight line equation $Y = a + bX$; a is the:

- (a) X-intercept (b) Slope **(c) Y-intercept** (d) None of them

MCQ 16.17

In a straight line equation $Y = a + bX$; b is the:

- (a) Y-intercept **(b) Slope** (c) X-intercept (d) Trend

MCQ 16.18

Value of b in the trend line $Y = a + bX$ is:

- (a) Always negative (b) Always positive (c) Always zero **(d) Both negative and positive**



MCQ 16.11

The method of moving average is used to find the:

- (a) Secular trend (b) Seasonal variation (c) Cyclical variation (d) Irregular variation

MCQ 16.12

A complete cycle consists of a period of:

- (a) Prosperity and depression (b) Prosperity and recovery
(c) Prosperity and recession (d) Recession and recovery

MCQ 16.13

A complete cycle passes through:

- (a) Two stages (b) Three stages (c) Four stages (d) Difficult to tell

MCQ 16.14

Most frequency used mathematical model of a time series is:

- (a) Additive model (b) Mixed model (c) Multiplicative model (d) Regression model



MCQ 16.6

Increase in the number of patients in the hospital due to heat stroke is:

- (a) Secular trend (b) Irregular variation **(c) Seasonal variation** (d) Cyclical variation

MCQ 16.7

The systematic components of time series which follow regular pattern of variations are called:

- (a) Signal** (b) Noise (c) Additive model (d) Multiplicative model

MCQ 16.8

The unsystematic sequence which follows irregular pattern of variations is called:

- (a) Noise** (b) Signal (c) Linear (d) Non-linear

MCQ 16.9

In time series seasonal variations can occur within a period of:

- (a) Four years (b) Three years **(c) One year** (d) Nine years

MCQ 16.10

Wheat crops badly damaged on account of rains is:

- (a) Cyclical movement **(b) Random movement** (c) Secular trend (d) Seasonal movement

MCQ 16.11

MCQ TIME SERIES

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MCQ 16.1

An orderly set of data arranged in accordance with their time of occurrence is called:

- (a) Arithmetic series (b) Harmonic series (c) Geometric series **(d) Time series**

MCQ 16.2

A time series consists of:

- (a) Short-term variations (b) Long-term variations (c) Irregular variations **(d) All of the above**

MCQ 16.3

The graph of time series is called:

- (a) Histogram (b) Straight line **(c) Historigram** (d) Ogive

MCQ 16.4

Secular trend can be measured by:

- (a) Two methods (b) Three methods **(c) Four methods** (d) Five methods

MCQ 16.5

The secular trend is measured by the method of semi-averages when:

- (a) Time series based on yearly values **(b) Trend is linear**
(c) Time series consists of even number of values (d) None of them



V RECORDER 09
Concept Building

A pattern that is repeated throughout a time series and has a recurrence period of at most one year is called:

Select the correct option

- | | |
|----------------------------------|----------------------|
| ☐ | Cyclical Variations |
| ☒ | Irregular Variations |
| ☐ | Seasonal Variations |
| ☐ | Secular Trend |

If a straight line is fitted to the time series, then:

Select the correct option

☐ $\sum Y = \sum \hat{Y}$

☐ $\sum Y < \sum \hat{Y}$

☐ $\sum Y > \sum \hat{Y}$

☒ $\sum (Y - \hat{Y})^2$

The most commonly used mathematical method for measuring the trend is:

Select the correct option

☐ Moving average method

☐ Semi average method

☒ Method of least squares

☐ None of them

Question # 3 of 10 (Start time: 11:18:22 AM, 04 August 2020)

Suppose that $Y = 10 + 3x$ describes well an annual time series for 1987-1993. If the actual value of Y for 1990 is 8, what is the value of trend for 1990?

Select the correct option



34



48



50



32

Question # 2 of 10 (Start time: 11:16:53 AM, 04 August 2020)

Assume that the total of the unadjusted indices for the four quarters is 404.04. If the unadjusted index for the first quarter is 97.0, what is the adjusted seasonal index for the first quarter?

Select the correct option

- | | |
|----------------------------------|-------|
| ☒ | 96.03 |
| ☐ | 97.98 |
| ☐ | 24.01 |
| ☐ | 99.00 |

Question # 1 of 10 (Start time: 11:15:24 AM, 04 August 2020)

Seasonal adjustment of data is also called the:

Select the correct option



Ratio-to-Trend Method



Link-Relative Method



Ratio-to-Moving-Average Method



Desseasonalization

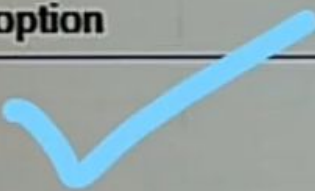


If a time series has an even number of years and we use coding, then each code interval is equal to:

Select the correct option

☐

1 year

☐

2 years

☐

1 month

Deseasonalized data contain the effect of trend, cyclical and:

Select the correct option

- | | |
|-----------------------|----------------------|
| ☐ | Irregular components |
| ☐ | Moving-Average |
| ☐ | Original index |
| ☐ | Deseasonalization |
- 

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DC190407462: MUHAMMAD SHAHABAZ

Time Left: 01:00

STA2004 Grand Quiz

Quiz Start Time: 11:14 AM, 29 December 2023

Question # 12 of 20 (Start time: 11:27:09 AM, 29 December 2023)

Total Marks: 1

The unsystematic sequence which follows irregular pattern of variations is called:

Select the correct option

☐ Noise

☐ Signal

☐ Linear

☐ Non-linear

NOT CONFIRM



To measure the relative change in purchasing a specified basket of goods and services between two periods for a certain locality for fixed income group of people, we can use:

Select the correct option

- ☐ Consumer price index
- ☐ Paasche's price index
- ☐ Cost of living index
- ☐ Both Consumer Price index and Cost of living index

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DC190407602: MUHAMMAD SHAHABAZ

Time Left: 30 seconds

STA304 Grand Quiz

Quiz Start Time: 11:14 AM, 29 December 2020

Question # 3 of 30 (Start time: 11:15:15 AM, 29 December 2020)

Total Marks: 1

Price relatives computed by chain base method are called:

Select the correct option

- ☐ Price relatives
- ☐ Chain indices
- ☒ Link relatives
- ☐ None of them

Mark & Close Answer & Move to Next Question



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Time Left: 30 seconds

STA2004 Grand Quiz

Quiz Start Time: 11:14 AM, 29 December 2020

Question # 3 of 30 (Start time: 11:19:15 AM, 29 December 2020)

Total Marks: 1

Price relatives computed by chain base method are called:

Select the correct option

- ☐ Price relatives
- ☐ Chain indices
- ☒ Link relatives
- ☐ None of them

Mark as Correct, Incorrect, or Mark as Bookmarked



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DC190407462: MUHAMMAD SHAHABAZ

Time Left: 30 mins

STA304 Grand Quiz

Quiz Start Time: 11:14 AM, 29 December 2020

Question # 4 of 30 (Start time: 11:17:49 AM, 29 December 2020)

Total Marks: 1

Most commonly referred indicator of Inflation is:

Select the correct option

☐ Consumer Price Index

☐ Sensitive Price Index

☐ Laspeyres index number

☐ Fisher's index number

Mark as Correct

Report a Wrong or Best Answer



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DC190407462: MDJAHANGIR SHAHABAZ

Time Left: 30 minutes

STA304 Grand Quiz

Quiz Start Time: 11:14 AM, 29 December 2020

Question # 2 of 30 (Start time: 11:14:51 AM, 29 December 2020)

Total Marks: 1

When the base year values are used as weights, the weighted average of relatives price index number is the same as the:

Select the correct option

- ☐ Laspeyre's index
- ☒ Paasche's index
- ☐ Simple aggregative index
- ☐ Quantity index

Mark as Correct Answer or Wrong or Report Question

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DC19607662: MUHAMMAD SHAHJABAZ

Time Left: 30 min

STA304 Grand Quiz

Quiz Start Time: 11:14 AM, 29 December 2023

Question # 11 of 26 (Start time: 11:25:49 AM, 29 December 2023)

Total Marks: 1

The general pattern of increase or decrease in economics or social phenomena is shown by:

Select the correct option

- ☐ Seasonal Trend
- ☐ Cyclical Trend
- ☐ Secular Trend
- ☐ Irregular Variation

— not confirm

Mark as Correct Answer or Wrong Answer



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DC190407462: MUHAMMAD SHAHJAHAN

Time Left: 30:00

STA304 Grand Quiz

Quiz Start Time: 11:14 AM, 29 December 2020

Question # 7 of 30 (Start time: 11:25:43 AM, 29 December 2020)

Total Marks: 1

While computing a weighted index, the current period quantities are used in the:

Select the correct option

☐

Laspeyre's method

☒

Paasche's method

☐

Marshall Edgeworth method

☐

Fisher's ideal method

10 of 30 Questions of STA304 Grand Quiz



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DC190407462: MUHAMMAD SHAHABAZ

Time Left: 30:00

STA3004 Grand Quiz

Quiz Start Time: 11:14 AM, 29 December 2020

Question # 1 of 20 (Start time: 11:14:16 AM, 29 December 2020)

Total Marks: 1

The systematic components of time series which follow regular pattern of variations are called:

Select the correct option

☒ Signal

☐ Noise

☐ Additive Model

☐ Multiplicative Model

10 of 20 Questions

Report of Wrongly Marked Questions



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DC190407462: MUHAMMAD SHAHABAZ

Time Left: 30:00

STA3204 Grand Quiz

Quiz Start Time: 11:14 AM, 29 December 2023

Question # 12 of 20 (Start time: 11:27:14 AM, 29 December 2023)

Total Marks: 1

Indices calculated by the chain base method are free from:

Select the correct option

☐ Seasonal variations

☐ Errors

☐ Percentages

☐ Ratios

Mark as Correct Report if Wrong or Need Assistance

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DC190407462: MUHAMMAD SHAHABAZ

Time Left: 04:00:00

STA304 Grand Quiz

Quiz Start Time: 11:14 AM, 29 December 2023

Question # 15 of 20 (View Question History)

Total Marks: 1

Consumer price index indicates:

Select the correct option

☐ Rise

☐ Fall

☐ Both Rise and Fall

☐ Neither Rise nor Fall

Mark as Correct Answer or Wrong or Report Question



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DC190407462: MUHAMMAD SHAHABAZ

Time Left: 30
00:00:00

STA304 Grand Quiz

Quiz Start Time: 11:14 AM, 29 December 2020

Question # 9 of 20 (Start time: 11:23:09 AM, 29 December 2020)

Total Marks: 1

A number that measures an average relative change in a group of related variables with respect to A base is called:

Select the correct option

☐ Simple index number

☒ Composite index number

☐ Price index number

☐ Quantity index number

Mark as Correct Report if Wrong or Wrong Question



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DC190407602: MUHAMMAD SHAHABAZ

Time Left: 30:00

STA3004 Grand Quiz

Quiz Start Time: 11:14 AM, 29 December 2023

Question # 24 of 26 (Start time: 11:29:11 AM, 29 December 2023)

Total Marks: 1

If all the values are not of equal importance the index number is called:

Select the correct option

☐ Simple

☐ Weighted

☐ Un-weighted

☐ None

Mark as Correct Answer of Wrong Answer



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DC190407642: MUHAMMAD SHAHABAZ

Time Left: 05:00

STK204 Grand Quiz

Quiz Start Time: 11:14 AM, 29 December 2019

Question # 28 of 30 (Start time: 11:25:07 AM, 29 December 2019)

Total Marks: 1

The Federal Bureau of Statistics prepares:

Select the correct option

- ☐ The wholesale price index
- ☐ The consumer price index
- ☐ The sensitive price indicator
- ☐ All of the above

Mark as Correct, Incorrect, or Report a Problem



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Total Marks: 1

Index numbers are expressed in:

☐	Ratios
☐	Squares
☒	Percentages
☐	Combinations



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DC190407462: MUHAMMAD SHAHABAZ Time Left: 0:00

STA304 Grand Quiz Quiz Start Time: 11:14 AM, 29 December 2020

Question # 14 of 20 (Start time: 11:28:52 AM, 29 December 2020) Total Marks: 1

In fitting a straight line, the value of slope b remains unchanged with the change of:

Select the correct option

☐	Scale
☐	Origin
☐	Both scale and origin
☐	Neither scale nor origin



10 of 22 Quiz Summary & Marking Sheet Download



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DC190407H42: MDJAHANGIR SHAHJABAZ

Time Left: 30 mins

STA3004 Grand Quiz

Quiz Start Time: 11:14 AM, 29 December 2020

Question # 8 of 20 (Start time: 11:22:19 AM, 29 December 2020)

Total Marks: 1

In semi averages method, we divide the data into:

Select the correct option

☐ Two parts

☐ Two equal parts

☐ Three parts

☐ Difficult to tell

Mark as Correct Answer of Wrong Answer



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DC190407462: MUHAMMAD SHAHABAZ

Time Left: 0:19

STA304 Grand Quiz

Quiz Start Time: 11:14 AM, 29 December 2020

Question # 19 of 20 (Start time: 11:34:57 AM, 29 December 2020)

Total Marks: 1

An orderly set of data arranged in accordance with their time of occurrence is called:

Select the correct option

☐ Arithmetic series

☐ Harmonic series

☐ Geometric series

☒ Time series

Mark as Correct Answer & Move to Next Question



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DC196407642: MUHAMMAD SHAHABAZ

Time Left: 00:00

STA304 Grand Quiz

Quiz Start Time: 11:14 AM, 29 December 2019

Question # 19 of 20 (Start time: 11:35:57 AM, 29 December 2019)

Total Marks: 1

An orderly set of data arranged in accordance with their time of occurrence is called:

Select the correct option

☐ Arithmetic series

☐ Harmonic series

☐ Geometric series

☒ Time series

✔️ All of them

🔍 Show Answer

🔍 Show Question



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Total Marks:

Select the correct option

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Time Left: 30:00

STA304 Grand Quiz

Quiz Start Time: 11:14 AM, 29 December 2023

Question # 6 of 20 (Start time: 11:20:01 AM, 29 December 2023)

Total Marks: 1

Base year quantities weights are used in:

Select the correct option

☐ Laspeyre's method

☐ Paasche's method

☐ Fisher's ideal method

☐ Difficult to tell

10 out of 20 Questions Answered | 0 Marks up | 00:00:00 Remaining

not confirm

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Time Left: 30 minutes

STA3004 Grand Quiz

Quiz Start Time: 11:14 AM, 29 December 2020

Question 4 of 30 (Start time: 11:19:25 AM, 29 December 2020)

Total Marks: 1

The test which is not obeyed by any of the weighted index numbers unless the weights are constant:

Select the correct option

☐

Circular test

☐

Time reversal test

☐

Factor reversal test

☐

None of them

10 of 30 Questions of STA3004 Grand Quiz



BC189402037: MUHAMMAD JUNAID RAZA

Time Left: 89 seconds

STA3394 Grand Quiz

Quiz Start Time: 10:41 AM, 29 December 2020

Question # 5 of 20 (Start time: 10:46:55 AM, 29 December 2020)

Total Marks: 1

If all the values are of equal importance, the index numbers are called:

Select the correct option

- ☐ Weighted
- ☒ Un-weighted
- ☐ Composite
- ☐ Value index

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Time Left: 89 seconds

STA334 Quiz

Quiz Start Time: 10:41 AM, 29 December 2020

Question # 3 of 20 (Start time: 10:43:44 AM, 29 December 2020)

Total Marks: 1

Consumer price index are obtained by:

Select the correct option

- ☐ Paasche's formula
- ☐ Fisher's ideal formula
- ☐ Marshall Edgeworth formula
- ☒ Family budget method formula

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Time Left: 88 seconds

STK334 Grand Quiz

Quiz ID#1 Time: 18:41 AM, 29 December 2023

Question # 23 of 30 (Start time: 11:01:29 AM, 29 December 2023)

Total Marks: 1

Index number having upward bias is:

Select the correct option

- ☐ Laspeyre's index
- ☒ Paasche's index
- ☐ Fisher's ideal index
- ☐ Marshal Edgworth index

Click on the correct answer to mark the question


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Consumer price index indicates:

Select the correct option

- ☐ Rise
- ☐ Fall
- ☐ Rise and Fall
- ☐ Not Rise

Click for detailed question history

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Time Left: 88 seconds

STK334 Grand Quiz

Quiz Start Time: 10:41 AM, 29 December 2020

Question # 24 of 30 (Start time: 11:02:49 AM, 29 December 2020)

Total Marks: 1

Index numbers are expressed in:

Select the correct option

- | | |
|-----------------------|--------------|
| ☐ | Ratios |
| ☐ | Squares |
| ☐ | Percentages |
| ☐ | Combinations |

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Time Left: 88 seconds

STA334 Grand Quiz

Quiz Start Time: 10:41 AM, 29 December 2023

Question # 12 of 30 (Start time: 10:04:39 AM, 29 December 2023)

Total Marks: 1

In time reversal test, the changes of subscripts are made on:

Select the correct option

- ☐ Prices
- ☐ Quantity **not confirm**
- ☐ Both prices and quantity
- ☐ None of the above

Click for more questions & answers in this Quiz

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Time Left: 85 seconds

STA334 Quiz

Quiz Start Time: 18:41 AM, 29 December 2023

Question # 12 of 30 | Start time: 18:51:21 AM, 29 December 2023

Total Marks: 1

In constructing index number geometric mean relatives are:

Select the correct option

- ☐ Non-reversible
- ☐ Reciprocal
- ☐ Reversible
- ☐ None of them

Click on Save Answer button to Save your Answer



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Time Left: 89 sec(s)

STK394 Grand Quiz

Quiz Start Time: 18:41 AM, 29 December 2023

Question # 20 of 30 (Start time: 18:58:59 AM, 29 December 2023)

Total Marks: 1

The test which is not obeyed by any of the weighted index numbers unless the weights are constant:

Select the correct option

- ☐ Circular test
- ☐ Time reversal test
- ☐ Factor reversal test
- ☐ None of them

Click on the correct answer to mark the question





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Time Left: 89 sec(s)

STA334 Quiz

Quiz STA334 Time: 10:41 AM, 29 December 2020

Question # 16 of 30 (Start time: 10:57 AM, 29 December 2020)

Total Marks: 1

The most commonly used mathematical method for measuring the trend is:

Select the correct option

- ☐ Semi Average
- ☐ Moving Average
- ☐ Free Hand Curve
- ☐ Least Squares

Click on Send Answer & Proceed to Next Question



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Time Left: 57 seconds

STA304 Online Quiz

Quiz Start Time: 10:41 AM, 29 December 2020

Question # 1 of 20 (Start time: 10:41:35 AM, 29 December 2020)

Total Marks: 1

Index for base period is always taken as:

Select the correct option

- ☐ 100
- ☐ 200
- ☐ 0
- ☐ 10

Click for more questions. Move to next question

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Time Left: 89 seconds

STA3394 Grand Quiz

Quiz Start Time: 10:41 AM, 29 December 2020

Question # 17 of 30 (Start time: 10:56:22 AM, 29 December 2020)

Total Marks: 1

When the trend is of exponential type, the moving averages are to be computed by using:

Select the correct option

- | | |
|-----------------------|-----------------|
| ☐ | Arithmetic Mean |
| ☐ | Geometric Mean |
| ☐ | Harmonic Mean |
| ☐ | Weighted Mean |

Click for more answers & Access to best answers


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STA304:Grand Quiz

Question # 2 of 30 (Start time: 10:42:17 AM, 29 December 2020)

Simple average of relatives is equal to:

Select the correct option

- | | |
|-----------------------|--|
| ☐ | $\frac{p_n}{p_0} \times 100$ |
| ☐ | $\frac{\sum p_n}{\sum p_0} \times 100$ |
| ☐ | $\sum \left(\frac{p_n}{p_0} \right) \times 100$ |
| ☐ | $\frac{1}{N} \sum \left(\frac{p_n}{p_0} \right) \times 100$ |



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Time Left: 89 sec(s)

STA334 Grand Quiz

Quiz STA334 Time: 10:41 AM, 29 December 2023

Question 4 30 of 30 (Start time: 11:09:15 AM, 29 December 2023)

Total Marks: 1

The rise and fall of a time series over periods longer than one year is called:

Select the correct option

- ☐ Secular trend
- ☐ Seasonal variations
- ☒ Cyclical variations
- ☐ Irregular variations

Click on the correct answer to mark the question



Secular trend can be measured by:

Select the correct option

- ☐ Two methods
- ☐ Three methods
- ☐ Four methods
- ☐ Five methods

Click for detailed question & answer history

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Time Left: 89 seconds

STA314 Quiz

Quiz Start Time: 10:41 AM, 29 December 2023

Question # 14 of 30 (Start time: 10:52:01 AM, 29 December 2023)

Total Marks: 1

Prosperity, Recession, and depression in a business is an example of

Select the correct option

- | | |
|-----------------------|---------------------|
| ☐ | Irregular Variation |
| ☐ | Secular Trend |
| ☐ | Seasonal Variation |
| ☐ | Cyclical Variation |

not confirm

Click on Save Answer & Move to Next Question


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If all the values are not of equal importance the index number is called:

Select the correct option

- ☐ Simple
- ☐ Weighted
- ☐ Un-weighted
- ☐ None

Click for and answer all answers for this question



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This index measures the change from month to month in the cost of a representative 'basket' of goods and services of the type bought by a typical household

Select the correct option

- ☐ Laspeyres Price Index
- ☐ Financial times Index
- ☐ Retail Price index
- ☐ Paasche Price Index

not confirm

Click for more answers & Access to Best Question



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Time Left: 88 seconds

STA314 Quiz

Quiz Start Time: 10:41 AM, 29 December 2020

Question # 22 of 30 (Start time: 11:00:03 AM, 29 December 2020)

Total Marks: 1

A time series has:

Select the correct option

- ☐ Two components
- ☐ Three components
- ☐ Four components
- ☐ Five components

Click on the correct answer to save your answer



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Time Left: 89 sec(s)

STA3394 Grand Quiz

Quiz Start Time: 10:41 AM, 29 December 2023

Question # 21 of 30 (Start time: 10:09:19 AM, 29 December 2023)

Total Marks: 1

The graph of time series is called:

Select the correct option

- ☐ Histogram
- ☐ Straight line
- ☐ Historigram
- ☐ Ogive

Click for correct answer & view all questions



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Time Left: 89 sec(s)

STK394 Grand Quiz

Quiz Start Time: 10:41 AM, 29 December 2020

Question # 27 of 30 (Start time: 11:06:19 AM, 29 December 2020)

Total Marks: 1

The Federal Bureau of Statistics prepares:

Select the correct option

- ☐ The wholesale price index
- ☐ The consumer price index
- ☐ The sensitive price index
- ☐ All of the above

Click on the correct answer to mark the question



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Time Left: 88 seconds

STA3394 Grand Quiz

Quiz ID#1 Time: 10:41 AM, 29 December 2020

Question # 4 of 20 (Start time: 10:43:55 AM, 29 December 2020)

Total Marks: 1

While computing a weighted index, the current period quantities are used in the:

Select the correct option

- ☐ Laspeyre's method
- ☐ Paasche's method
- ☐ Marshall Edgeworth method
- ☐ Fisher's ideal method

not confirm

Click for more questions

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Time Left: 89 sec(s)

STA334 Quiz

Quiz ID#1 Time: 18:41 AM, 29 December 2023

Question # 14 of 30 (Start time: 18:00:57 AM, 29 December 2023)

Total Marks: 1

Most commonly used index number is:

Select the correct option

- | | |
|----------------------------------|---------------------|
| ☐ | Volume index number |
| ☐ | Value index number |
| ☒ | Price index number |
| ☐ | Simple index number |

Click on the correct answer to mark the question



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Time Left: 89 seconds

STA334 Grand Quiz

Quiz Start Time: 10:41 AM, 29 December 2020

Question 9 of 20 (Start time: 10:47:25 AM, 29 December 2020)

Total Marks: 1

Fisher's ideal index number is the geometric mean of the:

Select the correct option

- ☐ Laspeyres and Marshall Edgeworth indices
- ☐ Laspeyres and Paasche's indices
- ☐ Paasche's and Marshall Edgeworth indices
- ☐ All of the above

Click on Save Answer & Save as best question



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Time Left: 89 sec(s)

STK314 Grand Quiz

Quiz Start Time: 10:41 AM, 29 December 2023

Question # 29 of 30 (Start time: 11:08:20 AM, 29 December 2023)

Total Marks: 1

Marshall Edgeworth price index was proposed by:

Select the correct option

- ☐ One English economist
- ☐ Two English economist
- ☐ Three English economist
- ☐ Many English economist

Click on save button to save your answer



An index number is called a simple index when it is computed from:

Select the correct option

- ☐ Single variable
- ☒ Bi-variable
- ☐ Multiple variables
- ☐ None of them

Click on the correct answer to mark the question

The systematic components of time series which follow regular pattern of variations are called:

Select the correct option

- ☒ Signal
- ☐ Noise
- ☐ Additive Model
- ☐ Multiplicative Model

Click on Save Answer & Move to Next Question



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Time Left: 89 sec(s)

STA3394 Grand Quiz

Quiz ID#91 Time: 10:41 AM, 29 December 2020

Question # 13 of 30 (Start time: 10:02:12 AM, 29 December 2020)

Total Marks: 1

Most frequently used mathematical model of a time series is:

Select the correct option

- ☐ Additive model
- ☐ Mixed model
- ☐ Multiplicative model
- ☐ Regression model

Click on the correct answer to mark the question as correct

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Time Left: 85 seconds

STA334 Grand Quiz

Quiz ID#1 Time: 10:41 AM, 29 December 2020

Question # 6 of 20 (Start time: 10:40:56 AM, 29 December 2020)

Total Marks: 1

Index number calculated by Fisher's formula is ideal because it satisfy:

Select the correct option

- ☐ Circular test
- ☐ Factor reversal test
- ☐ Time reversal test
- ☐ All of the above

Click on the correct answer to mark the question

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Another name of consumer's price index number is:

Select the correct option

- ☐ Whole-sale price index number
- ☒ Cost of living index
- ☐ Sensitive
- ☐ Composite

Click for more answers & questions (0/0/0)



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Time Left: 88 seconds

STA3394 Grand Quiz

Quiz Start Time: 10:41 AM, 29 December 2020

Question # 25 of 30 (Start time: 11:03:27 AM, 29 December 2020)

Total Marks: 1

In semi averages method, we divide the data into:

Select the correct option

- ☐ Two parts
- ☒ Two equal parts
- ☐ Three parts
- ☐ Difficult to tell

Click here to view all questions



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Question # 1 of 30 (Start time: 08:35:05 AM, 29 December 2020)

Total Marks: 1

In chain base method, the base period is:

Select the correct option

☐	Fixed
☐	Not fixed
☐	Constant
☐	Zero



Question # 2 of 30 (Start time: 08:35:58 AM, 29 December 2020)

Total Marks: 1

Price relatives are a percentage ratio of current year price and:

Select the correct option

☐	Base year quantity
☐	Previous year quantity
☐	Base year price
☐	Current year quantity



Question # 3 of 30 (Start time: 08:37:04 AM, 29 December 2020)

Total Marks: 1

Increased demand of admission in the subject of computer in Pakistan is:

Select the correct option

- | | |
|----------------------------------|-----------------|
| ☒ | Secular trend |
| ☐ | Cyclical trend |
| ☐ | Seasonal trend |
| ☐ | Irregular trend |



Question # 4 of 30 (Start time: 08:38:31 AM, 29 December 2020)

Total Marks: 1

A simple average of price relative is an index obtained by:

Select the correct option

☐	Average of price relative
☐	Link Relatives
☐	Base year
☐	Current year



Question # 5 of 30 (Start time: 08:40:05 AM, 29 December 2020)

Total Marks: 1

Index numbers are expressed in:

Select the correct option

☐	Ratios
☐	Squares
☒	Percentages
☐	Combinations



Question # 6 of 30 (Start time: 08:41:13 AM, 29 December 2020)

Total Marks: 1

Indices calculated by the chain base method are free from:

Select the correct option

☐	Seasonal variations
☐	Errors
☐	Percentages
☐	Ratios



Question # 7 of 30 (Start time: 08:43:07 AM, 29 December 2020)

Total Marks: 1

When the price of a year is divided by the price of a particular year we get:

Select the correct option

- | | |
|----------------------------------|--------------------------|
| ☒ | Simple relative |
| ☐ | Link relative |
| ☐ | Simple and Link relative |
| ☐ | None of them |



Question # 8 of 30 (Start time: 08:45:34 AM, 29 December 2020)

Total Marks: 1

A time series consists of:

Select the correct option

☐	Short-term variations
☐	Long-term variations
☐	Irregular variations
☐	All of the above



Question # 8 of 30 (Start time: 08:45:34 AM, 29 December 2020)

Total Marks: 1

A time series consists of:

Select the correct option

☐	Short-term variations
☐	Long-term variations
☐	Irregular variations
☐	All of the above



Question # 9 of 30 (Start time: 08:46:31 AM, 29 December 2020)

Total Marks: 1

The graph of time series is called:

Select the correct option

- | | |
|-----------------------|---------------|
| ☐ | Histogram |
| ☐ | Straight line |
| ☐ | Historigram |
| ☐ | Ogive |



Question # 10 of 30 (Start time: 08:47:18 AM, 29 December 2020)

Total Marks: 1

Index number having upward bias is:

Select the correct option

☐	Laspeyre's index
☒	Paasche's index
☐	Fisher's ideal index
☐	Marshall Edgeworth index



Question # 11 of 30 (Start time: 08:48:12 AM, 29 December 2020)

Total Marks: 1

If all the values are not of equal importance the index number is called:

Select the correct option

☐	Simple
☐	Un-weighted
☒	Weighted
☐	None



Question # 12 of 30 (Start time: 08:49:32 AM, 29 December 2020)

Total Marks: 1

The Laspeyres price index:

Select the correct option

- | | |
|-----------------------|--|
| ☐ | Regards the current year quantities as fixed |
| ☐ | Regards the base year quantities as fixed |
| ☐ | Regards the base year prices as fixed |
| ☐ | All of the above |



Question # 13 of 30 (Start time: 08:51:18 AM, 29 December 2020)

Total Marks: 1

When the price of a current year divided by the price of the preceding year, we, get:

Select the correct option

☐	Value index
☐	Link relative
☐	Simple relative
☐	None of them



Question # 15 of 30 (Start time: 08:54:33 AM, 29 December 2020)

Total Marks: 1

A number that measures an average relative change in a group of related variables with respect to A base is called:

Select the correct option

☐	Simple index number
☒	Composite index number
☐	Price index number
☐	Quantity index number



Question # 15 of 30 (Start time: 08:54:33 AM, 29 December 2020)

Total Marks: 1

A number that measures an average relative change in a group of related variables with respect to A base is called:

Select the correct option

☐	Simple index number
☒	Composite index number
☐	Price index number
☐	Quantity index number



Question # 16 of 30 (Start time: 08:56:19 AM, 29 December 2020)

Total Marks: 1

Wheat crops badly damaged on account of rains is:

Select the correct option

☐	Cyclical Variations
☒	Random Variations
☐	Secular trend
☐	Seasonal Variations



Question # 17 of 30 (Start time: 08:58:25 AM, 29 December 2020)

Total Marks: 1

A time series has:

Select the correct option

- | | |
|----------------------------------|------------------|
| ☐ | Two components |
| ☐ | Three components |
| ☐ | Four components |
| ☒ | Five components |



Question # 18 of 30 (Start time: 08:59:55 AM, 29 December 2020)

Total Marks: 1

Purchasing power of money can be accessed through:

Select the correct option

- | | |
|----------------------------------|----------------------|
| ☐ | Simple index |
| ☐ | Fisher's index |
| ☒ | Consumer price index |
| ☐ | Volume index |



Question # 19 of 30 (Start time: 09:00:48 AM, 29 December 2020)

Total Marks: 1

Depression in business is:

Select the correct option

- | | |
|----------------------------------|----------------------|
| ☐ | Secular trend |
| ☒ | Cyclical Variations |
| ☐ | Seasonal Variations |
| ☐ | Irregular Variations |



Question # 20 of 30 (Start time: 09:02:14 AM, 29 December 2020)

Total Marks: 1

Increase in the number of patients in the hospital due to heat stroke is:

Select the correct option

- | | |
|-----------------------|----------------------|
| ☐ | Secular trend |
| ☐ | Irregular variations |
| ☐ | Seasonal variations |
| ☐ | Cyclical variations |



Question # 21 of 30 (Start time: 09:03:10 AM, 29 December 2020)

Total Marks: 1

The general pattern of increase or decrease in economics or social phenomena is shown by:

Select the correct option

☐	Seasonal Trend
☐	Cyclical Trend
☒	Secular Trend
☐	Irregular Variation



Question # 22 of 30 (Start time: 09:05:24 AM, 29 December 2020)

Total Marks: 1

The ratio of a new price to the base year price is called the:

Select the correct option

- | | |
|-----------------------|----------------|
| ☐ | Price relative |
| ☐ | Price increase |
| ☐ | Price decrease |
| ☐ | Price absolute |



Question # 23 of 30 (Start time: 09:06:21 AM, 29 December 2020)

Total Marks: 1

The aggregative expenditure method and family budget method always give:

Select the correct option

- | | |
|----------------------------------|---------------------|
| ☐ | Different results |
| ☐ | Approximate results |
| ☒ | Same results |
| ☐ | None of them |



Question # 24 of 30 (Start time: 09:07:38 AM, 29 December 2020)

Total Marks: 1

When index number is calculated for several variables, it is called:

Select the correct option

- | | |
|----------------------------------|------------------------|
| ☒ | Composite index |
| ☐ | Whole sale price index |
| ☐ | Volume index |
| ☐ | Simple index |



Question # 25 of 30 (Start time: 09:10:17 AM, 29 December 2020)

Total Marks: 1

The chain base indices are not suitable for:

Select the correct option

- | | |
|----------------------------------|-------------------------|
| ☒ | Long range comparisons |
| ☐ | Short range comparisons |
| ☐ | Percentages |
| ☐ | Ratios |



Question # 26 of 30 (Start time: 09:12:00 AM, 29 December 2020)

Total Marks: 1

What type of index number can help the government to formulate its price policies and to take appropriate economic measures to control prices?

Select the correct option

- | | |
|----------------------------------|------------------------|
| ☐ | Whole sale price index |
| ☒ | Consumer's price index |
| ☐ | Quantity |
| ☐ | None of them |



Question # 26 of 30 (Start time: 09:12:00 AM, 29 December 2020)

Total Marks: 1

What type of index number can help the government to formulate its price policies and to take appropriate economic measures to control prices?

Select the correct option

☐	Whole sale price index
☒	Consumer's price index
☐	Quantity
☐	None of them



Question # 27 of 30 (Start time: 09:13:10 AM, 29 December 2020)

Total Marks: 1

Index number calculated by Fisher's formula is ideal because it satisfy:

Select the correct option



Circular test



Factor reversal test



Time reversal test



All of the above



Most commonly used index number is:

Select the correct option



Volume index number



Value index number



Price index number



Simple index number



Question # 28 of 30 (Start time: 09:13:57 AM, 29 December 2020)

Total Marks: 1

The ratio of a sum of prices in current period to the sum of prices in the base period, expressed as a percentage is called:

Select the correct option



Simple price index number



Simple aggregative price index number



Weighted aggregative price index number



Quantity index number



Question # 30 of 30 (Start time: 09:17:01 AM, 29 December 2020)

Total Marks: 1

In constructing index number geometric mean relatives are:

Select the correct option



Non-reversible



Reciprocal



Reversible



None of them

