

6. Calculate coefficient of Correlation by Karl Pearson's method from the following :

$x$	$y$
1	9
3	7
5	5
7	3

7. Construct Index Number of prices from the following data by Fisher's method :

Commodities	Base Year		Current Year	
	Price	Quantity	Price	Quantity
A	2	8	4	6
B	5	10	6	5
C	4	14	5	10
D	2	19	2	13

8. What is Time-Series ? What are its main components ?
9. Explain Newton's method of advancing differences for calculating Interpolation.

## **BBA-05**

**June – Examination 2022**

**BBA (I Year) Examination**

**BUSINESS STATISTICS**

**Paper : BBA-05**

*Time : 1½ Hours ]*

*[ Maximum Marks : 70*

*Note :-* The question paper is divided into two Sections A and B. Write answers as per the given instructions.

**Section-A**

**4×3½=14**

**(Very Short Answer Type Questions)**

*Note :-* Answer any *four* questions. As per the nature of the question delimit your answer in one word, one sentence or maximum up to **30** words. Each question carries 3½ marks.

1. (i) State any *six* limitations of Statistics.

- (ii) Differentiate between Direct and Indirect Enquiry.
- (iii) What do you mean by Schedule ?
- (iv) Where is Census method suitable ?
- (v) Write down the formula for calculating coefficient of skewness by Bowley method.
- (vi) What is Trend ?
- (vii) What do you mean by 'Equally Likely Events' ?
- (viii) Why are there *two* Regression Lines ?

**Section-B** **4×14=56**

**(Short Answer Type Questions)**

*Note* :- Answer any *four* questions. Answer should not exceed **200** words. Each question carries 14 marks.

- 2. What do you understand by Secondary Data ?  
Mention the various sources of Secondary Data.
- 3. Define Statistics and explain the functions and importance of Statistics.

- 4. Calculate Mean, Median, Mode from the following :

Central Size	Frequency
5	5
15	10
25	15
35	0
45	12
55	8

- 5. Find out standard deviation from the following :

Classes	Frequency
0-4	7
5-9	13
10-14	20
15-19	8
20-24	2