average mark per student: of students in a certain examination. Calculate the The following table gives the marks obtained by a set

90—100	80—90	70—80	60—70	50-60	40-50	30—40	20—30	10—20	Marks
4	10	16	12	7	5	ω	2	_	No. of Students

BBA-102(O)

Roll No. ....

## BBA-102(0)

## **EXAMINATION, Dec., 2014** B. B A. (First Semester)

(Old Course)

Paper Second

**BUSINESS STATISTICS** 

Time: Three Hours]

[ Maximum Marks : 75

Note: Attempt all the five questions. All questions carry equal marks. Statistical tables will be made [ Minimum Pass Marks : 26

Discuss the meaning and scope of statistics bringing commerce. out its importance particularly in the field of trade and

available on demand.

expenditure groups 20-40 and 60-80 are missing from below, the number of families corresponding to the table. However the median is known to be 50. Find In the frequency distribution of 100 families given the missing frequencies:

			-		
80100	60—80	40—60	20—40	0—20	Expenditure
15	?	27	?	14	No. of Families

T-130

standard deviation:

20—25	25—30	30—35	35—40	40—45	45—50	50—55	Age
170	110	80	45	40	30	25	No. of Employees

S. Explain what is meant by the correlation between two variables. What are the methods of finding existence of correlation? How can it be measured?

0

The following table gives the age of cars of a certain make and annual maintenance costs. Obtain the regression equation for costs related to age:

8	6	4	2	Age of Cars in Years
				in Years
30	25	20	10	Maintenance Cost (in '000 ₹)

Estimate the maintenance cost for a ten-year old car.

T-130

What degree of agreement is there between the judgement of the two judges.

What is an index number? Explain their significance

What is an index number? Explain their significance and mention their limitations.

T-130

P. T. O.