

x	y
61	75
62	70
63	68
65	65
68	63
70	62
75	61

3. What is index No? And why Fisher's formula is ideal one ?
4. What is Skewness? How is it calculate? Give various methods.
5. How primary data is collected? Differentiate between primary data and secondary data.
6. What is Binomial distribution, differentiate between census & sampling.
7. Particulars regarding the income of two villages are given below :

	Village A	Village B
No. of People	1200	1000
Mean	350	372
Variance	10000	6561

- (i) Which vilage has greater variation
- (ii) What is S.D. of both villages
- (iii) Combined S.D. of both villages

Roll No.

BBA-102 (O)

B.B.A. (Semester First) Exam. -2011

Paper : Second

Business Statistics

Time: Three Hours]

[Maximum Marks: 75

[Minimum Pass Marks: 26

Note: Attempt all the five questions. All question carry equal marks. Statistical tables will be made available on demand.

1. Calculate mean & median from the following data :

Central Value	Frequency
2	8
4	10
6	12
8	15
10	5
12	10

2. Calculate Karlpearson's co-efficient of correlation from the following data :

8. From the following information calculate :

- (i) Two Regression lines
 (ii) Find the likely sales when selling expenditure is 30 lakh
 (iii) What would be the selling expenses if sales target is 240 Lakh

	Selling Exp. Rs. in Lakh	Sales Rs. in Lakh
Mean	20	180
S.D.	06	24

correlation coefficient = 0.90

9. Calculate mode from the following series.

Class interval	Frequency
90-100	90
80-90	78
70-80	70
60-70	61
50-60	50
40-50	42
30-40	35
20-30	25
10-20	18

10. Calculate Mean Deviation and Quartile Deviation from following data given:

Class Interval	F
15-20	8
20-30	10
30-35	12
35-45	14
45-46	8
46-50	7
50-52	6
52-54	5
54-55	4
55-60	2

Class interval	Frequency
00-100	9
100-200	12
200-300	15
300-400	20
400-500	25
500-600	30
600-700	35
700-800	40
800-900	45
900-1000	50