Subject : Business Statistics-I

Day : Friday   **S.D.E.** ‖‖‖‖‖‖‖‖‖‖‖‖   Time : 02.00 PM TO 05.00 PM

Date : 09/12/2016   **33210**   Max Marks : 80   Total Pages : 2

N.B.:
1) Answer any **FIVE** questions from Section –I. Each question carries 10 marks.
2) Answer any **TWO** questions from Section –II. Each question carries 15 marks
3) Answers to both the sections should be written in **SAME** answer book.
4) Use of non programmable scientific **CALCULATOR** is allowed.

SECTION-I

Q.1   Explain clearly the terms 'Population' and 'Sample' giving suitable **(10)**
illustrations.

Q.2   Calculate mean deviation from mean for the following data: **(10)**

Size of item	15-20	20-25	25-30	30-35	35-40	40-45	45-50
No. of Students	10	15	20	25	10	12	8

Q.3   Find the missing frequencies if median is 25. **(10)**

Daily Expenditure (Rs.)	0-10	10-20	20-30	30-40	40-50	Total
Families	14	?	28	?	15	100

Q.4   What are control charts? Discuss the types of control charts. **(10)**

Q.5   Find coefficient of Quartile Deviation for the following data: **(10)**

Class	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90
Frequency	12	30	65	78	55	56	36	25	9

Q.6   Find mean, median and mode for the following data: **(10)**

X	3	5	7	9	11	13	15	17	19
f	7	10	16	30	24	17	10	5	1

Q.7   Write short notes on Any **TWO**: **(10)**

a)   Uses of Index numbers

b)   Skewness

c)   Importance of Business statistics

d)   Measures of Dispersion

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