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SA – 746

II Semester B.Com. Examination, April/May 2015
(CBCS) (Freshers)
(2014-15 and Onwards)
COMMERCE

Paper – 2.6 : Quantitative Analysis for Business Decisions – I

Time : 3 Hours

Max. Marks : 70

Instruction : Answers should be written either **completely in English** or **completely in Kannada**.

SECTION – A

Answer **any five** sub-questions. Each sub-question carries **two** marks. (5×2=10)

1. a) State any four functions of statistics.
- b) Identify whether the following are statistical statements :
 - i) 'The average weight of the students of a college is 50 kgs.'
 - ii) 'Price of a book is Rs. 50.'
- c) Define 'dispersion'.
- d) If $Z = 38.82$ and $M = 40$ find \bar{X} .
- e) What do you mean by TRT ?
- f) If variance = 36, $\sum X = 150$ and $N = 10$, find CV.
- g) What is meant by skewness ?

SECTION – B

Answer **any three** of the following. Each question carries **six** marks. (3×6=18)

2. Form a frequency distribution from the following data by exclusive method taking four as the width of the class :

10	17	15	22	11	16	19	24	29	18
25	26	32	14	17	20	23	27	30	12
15	18	24	36	18	15	21	28	33	38
34	13	10	16	20	22	29	19	23	31

P.T.O.



3. Calculate simple mean and weighted mean for the following data :

Subject	Marks	Weights
Kannada	60	1
English	75	2
Science	63	1
Mathematics	59	3
Social Science	53	3

4. Find the co-efficient of Mean deviation from the following data taking median as the base.

Daily Wages (Rs.)	No. of Workers
Less than 60	8
" 70	24
" 80	56
" 90	96
" 100	136
" 110	178
" 120	191
" 130	200

5. Construct the consumer price index number by using aggregate expenditure method from the following data :

Commodities	Quantity Consumed in 2010	Price (Rs.) 2010	Price (Rs.) 2014
A	12	50	60
B	8	40	45
C	4	70	80
D	9	70	90
E	5	20	40
F	2	200	200

