M 7738

Reg. No. : .....

Name : .....

I Semester B.B.A./B.B.A.T.T.M. Degree (CCSS – Supple./Imp.) Examination, November 2014
(2013 & Earlier Admn.)
COMPLEMENTARY COURSE
1C01 BBA/BBA (T) : Business Statistics

Time : 3 Hours Max. Weightage : 30

PART – A

This Part consists of **two** bunches of questions carrying **equal** weight of **one**. **Each** bunch consists of **four** objective type questions. Answer **all**.

I. 1. Identifying a division problem and choosing an approach to solve the problem is _____

a) Statistical enquiry b) Statistical design
c) Statistical survey d) None of the above

2. Units of analysis and interpretation include

a) Rates b) Ratio's and parentages
c) Coefficients d) None of these

3. Which of the following should be avoided as methods of presenting the data ?

a) Spheres b) Bars c) Pie diagrams d) pictograms

4. The geometric mean of 2, 4, 8 is

a) 2 b) 4 c) 8 d) 4.67 **(W =1)**

II. Fill up the blanks :

5. If q = 30 ; q3 = 50, then the coefficient of quartile deviation is _____

6. In a symmetrical distribution, the coefficient of skewness is _____

7. The relationship between three or more variable can be studied with the help of _____ correlation.

8. If both the regression coefficients are negative, the correlation coefficient would be _____ **(W = 1)**

P.T.O.

PART – B

Answer **any eight** questions. **Each** question carries a weight of **one**.

9. Define statistics as a data.
10. What do you mean by quantitative data ?
11. What is a questionnaire ?
12. Explain chronological classification.
13. What is a subdivided bar diagram ?
14. Explain frequency polygon.
15. Define geometric mean.
16. What is closed-end distribution ?
17. Explain quartile deviation.
18. What is Lepto-Kurtic curves ? **(W = 8×1=8)**

PART – C

Answer **any six** questions. **Each** carries a weightage of **two**.

19. State the limitations of statistics.
20. Explain the important parts of a table .
21. What are the merits of median ?
22. What do you mean by negative correlation ?
23. Calculate mode from the following :

Mark :	0 – 10,	10 – 20,	20 – 30,	30 – 50	50 – 60,	60 – 70
Frequency :	8	12	16	30	19	7

24. Calculate Mean Deviation from the following :

Variable :	10,	11,	12,	13,	14
Frequency :	3	12	18	12	3

25. From the following calculate four yearly moving average trend :

Year :	2004,	2005,	2006,	2007,	2008,	2009,	2010
Value :	12	25	39	54	70	87	105.

26. Calculate Rank Correlation from the following of the mark of two student in different subject :

X	18,	27	36,	45,	38,	40
y	22,	26,	35,	20,	48,	42

(W = 6×2=12)

PART – D

Answer **any two** questions. **Each** question carries a weightage of **four**.

27. Define a measure of dispersion. State the requisites of a good measure of dispersion.

28. From the following calculate combined standard deviation.

Particular	**Firm A**	**Firm B**
No. of wage earners	586	648
Average monthly wage	52.5	47.5
S.D. of wage	$\sqrt{100}$	$\sqrt{121}$.

29. The following table gives the age of Cars of a certain make and annual maintenance cost. Obtain the regression equation of cost related to age :

Age of Cars : (in years)	2	4	6	8
Maintenance : cost (in'000)	10	20	25	30

(W = 2×4=8)
