

Reg. No. :	***************************************
Name	

## I Semester B.Com. Degree (CCSS - Supple./Improv.) Examination, November 2014 (2012 and 13 Admn.) COMPLEMENTARY COURSE IN COMMERCE

1C01 COM: Business Statistics

Time: 3 Hours

Max. Weightage: 30

## PART-A

This part consist of two bunches of questions carrying equal weightage of one Each

bunch co	nsists of four objective type que	estions. Answer all questions.	rewartA	
I. 1) The	e international records of a compa	ny's sales, production etc. is	- Superior	
a)	Primary	) Secondary		
c)	Census	) Sample with and to some new off and to		
2) Wh	2) Which of the following is a discrete variable?			
a)	Height b	) Weight		
c) .		) Number of persons in a family		
3) diagram is a circle broken down into component factors.				
a)	Pie b	) Barylog yanoupail s yo nuam uoyoo J	anav E	
c) l	Histogram	) Cartogram		
4) The	4) The Geometric mean of 8 and 18 is			
a)	10 gerf mrtW. abom bna nain b			
c)	13	) 15 Someonia al notrodittal	(W=1)	
II. 5) Mea	an deviation is least when devia	tion are taken from		
a) 1	Mean b	) Mode		
c) l	Median	) Geometric mean		



(W=8×1=8)

	6)	For a mesokurtic cur	ve the value of B <sub>2</sub> is	ON A STATE OF THE PARTY OF THE	
		a) 3	b) 0		
		c) 1	d) -1		
	7)		nce base period of an index nu turning to the original raw data		
		a) Splicing	b) Base shifting		
		c) Deflating	d) Weighting		
	8)	Errors due to non-res	sponse in collection of data is I	known as	
		a) Sampling	b) Non-sampling		
		c) Pilot survey	d) Size	(W=1)	
			PART-B		
a	wei	er <b>any eight</b> question ghtage of <b>one</b> : hat are the uses of sta	ns in <b>one</b> or <b>two</b> sentences <b>ea</b>	ch. Each question carries	
		*	of first 20 natural numbers.		
11.		- 4	0 for apples costing Rs.100 peng Rs.8 per kilogram. What is		
12.	W	rite about base shiftin	g of index numbers.	rangeilo [8]	
13.	W	hat do you mean by a	frequency polygon?		
14.	Ех	xplain the merits of me	edian.		
15.		rite down the relations e distribution is symm	hip between mean, median ar etric ?	nd mode. What happens if	
16.	De	efine Kurtosis.			
17.	7. Differentiate sampling and census.				

18. Why secondary data is preferable to primary data?



## 28. Statistical mathyde are most cannot be PART - C senter to metabolism (entitle) as

Answer any six questions. Answer not to exceed one page each. Each carries a weightage of two.

- 19. Explain the classification of a statistical data.
- 20. What is a random sample? How do you select a random sample from a finite population?
- 21. What are the properties of a good average?
- 22. How standard deviation is considered as the most reliable measure of dispersion?
- 23. Find mean deviation about median.

 Size
 10
 11
 12
 13
 14

 Frequency
 5
 12
 18
 10
 3

24. Calculate the quartile coefficient of skewness:

x 5 10 15 20 25 30 35 f 2 8 22 34 16 10 8

- 25. What is Fisher's ideal index? Why is it called ideal?
- 26. Explain the steps involved in the construction of general index number? (W=6×2=12)

## PART-D

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

 From the chain base index numbers given below, prepare fixed base index numbers.

 Year
 2005
 2006
 2007
 2008
 2009
 2010

 Index No.
 92
 102
 104
 98
 193
 101



- 28. Statistical methods are most dangerous tools in the hands of an inexpert. Examine this statement. How are statistical methods helpful in business?
- 29. Calculate standard deviation and coefficient of variation for the following frequency distribution.

Class : 4-8 8-12 12-16 16-20 20-24 24-26 28-32 32-36 36-40

Frequency: 11 13 16 14 14 9 17 6 4

2. How standard deviation is considered as \$4 most reliable measure of dispersion ?

 $(W=2\times 4=8)$ 

What are the properties of a rood average.