

SURENDRANATH COLLEGE

INTERNAL ASSESSMENT

SEMESTER-1, 2018-19

SUBJECT-STSG

CC/GE-1

Time-30 Mins

Full Marks-10

CU Reg. No.-	SECTION-	ROLL NO.-
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MARKS OBTAINED	Signature of Examiner- With date
MARKS CONVERTED TO 10	Approved by HOD- With date

Question Booklet

	Answer any 10 out of 15.	1X10
1	For a moderately asymmetric distribution the mean and median are respectively 24.5 and 24.3. Then find mode .	
2	The marks of 5 students in a test in statistics are 10,8,68,12 and 15. Write down a suitable measure of central tendency of these marks .	
3	If two variables x and y are connected by the relation $y=a+bx$ where a and b are constants and the mode of x be M then find the mode of y	
4	A train ran at x km/hour from A to B and returned back from B to A at y km./hour . Then find the average speed (in km/hour).	
5	If A.M and C.V of x are 6 and 50% respectively then find the variance of x is .	
6	The relation between the variables x and y is $2x-5y=10$. If the quartile deviation of x is 5 then find the quartile deviation of y .	
7	If the relation between the variables x and u is $3x+4u=21$ and the first quartile of x is -1 Then find the third quartile of u .	
8	If $y=0.4x$ and standard deviation of x is 3 then find the variance of y .	
9	If the inter quartile range is 4.2 , then find the quartile deviation .	
10	Root mean square deviation is called standard deviation about _____.	
11	The difference between the largest and the smallest data values is the _____.	
12	Write down the name of an one dimensional diagram	
13	At what point the lines of regression intersect?	
14	If $r=\pm 1$, the two lines of regression are _____.	
15	If $r=+1$, the angle between the two lines of regression is _____.	

Answer

<i>Q No.</i>	<i>Answer</i>

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