Sylhet Cadet College Pre-Test Examination - 2022 Class: XII Set - C							
	Time: 25 minutes	-	cs First Paper (MCQ) ct Code: 129	Full Marks: 25			
An	Answer all the questions. Each question is worth one $(1)$ mark.						
1.	Which measure of cent	ral tendencyis suitable :	for qualitative variable?				
	(a) Arithmetic Mean	(b) Harmonic Mean	(c) Quadratic Mean	(d) Mode			
2.	In presence of negative	values, which measure	is not usable?				
	(a) Arithmetic Mean	(b) Geometric Mean	(c) Quadratic Mean	(d) Harmonic Mean			
3.		mean of first n odd nat	tural numbers?				
	(a) $\frac{n+1}{n}$	(b) n	(c) n+1	(d) $\frac{n+1}{2}$			
4.	4. Which measure is not used in determining skewness?						
	(a) Arithmetic Mean	(b) Geometric Mean	(c) Median	(d) Mode			
	Inappropriate for algeb i. Median ii. Mode iii. Geometric Mean Which one is true?		(_): e_::	(1) ::: 0- :::			
	(a) i Answer the next two a	(b) ii uestions based on the fo	(c) i & ii	(d) ii & iii			
	rinswer the next two q		-				
		Accident Frequency	$\begin{array}{cccccccccccccccccccccccccccccccccccc$				
6.	Fifth Decile is –						
	(a) 0	(b) 8	(c) 7	(d) 6			
7.	Which of the following	is mode?					
	(a) 4	(b) 8	(c) $0$	(d) 7			
8.	Which measure gives a	value from within the	values?				
	(a) Arithmetic Mean (b) Geometric Mean (c) Median (d) Mode						
9.		per measure of central	tendency?				
	(a) 2nd Quartile	(b) Third Decile	(c) 3rd Quintile	(d) 110th Percentile			
10.	Which can be used to n	-					
	(a) $\mu'_2$	(b) $\mu_1$	(c) $\mu_2$	(d) $\mu'_1$			
11.		ent of variance (CV) is - (b) $\mu_2 \times 100$	(c) $\frac{\mu_2}{\bar{x}} \times 100$	(d) $\mu_3 \times 100$			
10	(a) $\frac{\mu_2}{n} \times 100$	(b) $\frac{\mu_2}{\mu_1} \times 100$	(c) $\frac{1}{\bar{x}} \times 100$	(d) $\frac{\mu_3}{\sigma} \times 100$			
12.	First moment around z (a) 0	(b) 1	(c) -1	(d) Arithmetic Mean			
13	· /	in constructing Box &		(-)			
10.	(a) Mode	(b) $X_L$	(c) $Q_1 \& Q_3$	(d) $Q_1, Q_2 \& Q_3$			
14.	Which might have a ne						
	(a) μ <sub>4</sub>	(b) $\mu_3$	(c) $\mu'_{2}$	(d) $\mu_2$			
15.	In a symmatric distribution	ution-					
	i. Arithmetic Mean = Moo ii. $Q_2 - Q_1 = Q_3 - Q_2$ iii. $Q_1 - X_H = X_H - Q_3$ Which one is true?						
	(a) i & ii	(b) ii & iii	(c) i &iii	(d) i, ii &iii			
16.	For a data, $Q_3 = 41.6, Q$	$_{1} = 17.2, Median = 29, \&A$	M = 30; What is Coefficient	ent of skewness?			
	(a) 24.4	(b) 1	(c) 0.03	(d) 29.45			
17.	$\sqrt{\beta_1} = -0.23$ implies-						
	(a) Left Skew	(b) Symmetry	(c) Right Skew	(d) Mesokurtic			

<ul><li>18. Which is not included</li><li>(a) Arithmetic Mean</li></ul>	in five number summar (b) $X_H$	<b>y?</b> (c) Q <sub>2</sub>	(d) $Q_3$				
19. $\beta_2 = \sqrt{9}$ implies data a (a) Leptokurtic	re– (b) Platykurtic	(c) Mesokurtic	(d) Symmetric				
20. 2nd Central Moment	20. 2nd Central Moment is –						
(a) $\mu_2 - \mu'_1$	(b) $\mu_2 + \mu'_1$	(c) $\mu_2 - \mu_1^{\prime 2}$	(d) $\mu'_2 - \mu_1^2$				
21. A company is constan	1. A company is constantly getting greater revenue than previous year; this is-						
(a) Seasonal Variation	(b) General Trend	(c) Irregular Variation	(d) Cyclic Variation				
22. Which is not a metho	22. Which is not a method of finding general trend?						
(a) Graphical Method	(b) Moving Average	(c) Semi-Average	(d) Moving Median				
Answer the next two	questions based on the f	ollowing table:					
	Year         2007         2008           Sales         5         35	2009201020112012344042204	_				
23. In Semi-Average method, what is the 2nd average?							
(a) 74	(b) 24.67	(c) 95.33	(d) 28				
<ul><li>24. For this data, which m</li><li>(a) 3-yearly Moving Av</li><li>age</li></ul>	nethod would give the be er-(b) 4-yearly Moving Ave age		(d) Graphical Method				
<ul><li>25. which component of t</li><li>(a) Seasonal Variation</li></ul>	ime series represents a n (b) General Trend	atural disaster? (c) Irregular Variation	(d) Cyclic Variation				
Answer Key: (Correction required)							
1. (d) Mode	10. (c) $\mu_2$	18.	(a) Arithmetic Mean				
2. (b) Geometric Mean	11. (c) $\frac{\mu_2}{\bar{x}} \times 100$	19.	(c) Mesokurtic				
3. (b) n	12. (a) 0	20.	(c) $\mu_2 - \mu_1'^2$				
4. (b) Geometric Mean	13. (a) Mode	21.	(b) General Trend				
5. (a) i	14. (b) $\mu_3$	22.	(d) Moving Median				
6. (c) 7							
7. (b) 8	15. (d) i, ii &iii	23.	(c) 95.33				
8. (d) Mode	16. (d) 29.45	24.	(a) 3-yearly Moving Average				
9. (d) 110th Percentile	17. (a) Left Skew	v 25.	(c) Irregular Variation				