Sylhet Cadet College First Term-End Examination - 2023 Class: XI Subject: Statistics First Paper (MCQ) Set: A Subject Code: 129

Time: 20 minutes

Full Marks: 20

Answer	all	the ques	tions. I	£ach	question	1S	worth	one	(1)	mark.
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1.	1. If $x_1 = 2, x_2 = 3, x_3 = 5, x_4 = 7$ and $y_1 = 3, y_2 = 4, y_3 = 5, y_4 = 8$; $\sum_{i=0}^{n} x_i y_i = ?$										
	(a) 14	(b) 201	(c) 93	(d) 109							
2.		= 30, what is the value									
	(a) 130	(b) 200	(c) 250	(d) 2130							
3.	A subset of a population	subset of a population is called—									
	(a) Constant	(b) Variable	(c) Sample	(d) Scale							
	Answer the next 2 question based on the following information.										
	A farmer collects growth (in cm) of 10 plants in a month and finds that $\sum x_i = 7$ and $\sum x_i^2 = 15$										
4.	What is the value of \sum	$(x_i+4)?$									
	(a) 23	(b) 47	(c) 22	(d) 11							
5.	What is the value of \sum	$\sum (x_i - 4)^2$?									
	(a) 23	(b) 135	(c) 484	(d) 119							
6.	6. Which of the following is a continuous variable?										
	(a) Number of goals		(b) Natural number								
	(c) Summation of Fibonac	cci series	(d) Success rate								
7.	How many sources of data are there?										
	(a) 5	(b) 4	(c) 3	(d) 2							
8.	. What is the raw material of research?										
	(a) Data	(b) Theory	(c) Graph	(d) Mean							
9.	Data obtained through	direct observation is c	alled-								
	(a) Primary data	(b) Secondary data	(c) Original Data	(d) Informal data							
10.	Who invented Stem ar	nd Leaf plot?									
	(a) Karl Pearson	(b) R.A. Fisher	(c) David Cox	(d) John Tukey							
l1.	How many measure of	central tendency are the	here?								
	(a) 2	(b) 3	(c) 4	(d) 5							
12.	Which measure of central tendency is suitable for qualitative variable?										
	(a) Arithmetic Mean	(b) Harmonic Mean	(c) Quadratic Mean	(d) Mode							
13.	3. In presence of negative values, which measure is not usable?										
	(a) Arithmetic Mean	(b) Geometric Mean	(c) Quadratic Mean	(d) Harmonic Mean							
14.	. For grouped data, which formula is correct for Arithmetic Mean?										
	(a) $\bar{x} = \frac{\sum f_i x_i}{\sum f_i}$	(b) $\bar{x} = \frac{\sum x_i}{N}$	(c) $\bar{x} = \frac{\sum f_i x_i}{n}$	(d) $\bar{x} = \frac{\sum f_i}{N}$							

Answer Key

1. (c) 93

6. (d) Success rate

11. (d) 5

2. (c) 250

7. (d) 2

12. (d) Mode

3. (c) Sample

8. (a) Data

13. (b) Geometric Mean

4. (b) 47

9. (a) Primary data

5. (d) 119

10. (d) John Tukey

14. (a) $\bar{x} = \frac{\sum f_i x_i}{\sum f_i}$