

Q1: Write down True or False?

1. $Cv = \frac{\text{standard deviation}}{\text{mean}} \times 100$ ()
2. Maximum value - Minimum value is called mode ()
3. Variance is classified as a measure of dispersion ()
4. The raw material of statistics is population ()
5. Biostatistics 's data obtained from medicine and biological science ()

Q2: choose the best answer:

1. Is the largest collection of entities under study is :
a. Sample b. Variable c. Population d. Data e. None of them
2. Which of the following is an example of qualitative variable :
a. Age b. Temperature c. Weigh d. Gender e. None of them
3. Consider the following data set: 20, 25, 21, 35, 32, 28. Find the Median?
a. 20 b. 26.5 c. 21 d. 25.5 e. None of them
4. Collection , organization , summarization and analysis of data is :
a. Population b. Variable c. Data d. Sample e. None of them
5. The Population Mean is denoted by
a. n b. F c. μ d. \bar{x} e. None of them

Q3: Given the following table: X: is number of students in group5. complete the table and answer ?

Number of students x	Frequency f	xf	$x^2 f$	Cumulative frequency
1	5			
2	11			$F(2)=$
3	7			
4	3			
5	2			
6	1			
7	1			
Sum				

1. $n =$

- (a)26 (b)83 (c)29 (d) 30 (e) none of them

2. $\sum xf =$

- (a)30.0 (b)83.0 (c)2.2501 (d) 2.767 (e) none of them

3. Mean=

- (a)30.0 (b)83.0 (c)2.2501 (d) 0.0 (e) 2.767

4. variance =

- (a)1.50003 (b)2.767 (c) 2.25 (d)0.0 (e) 295

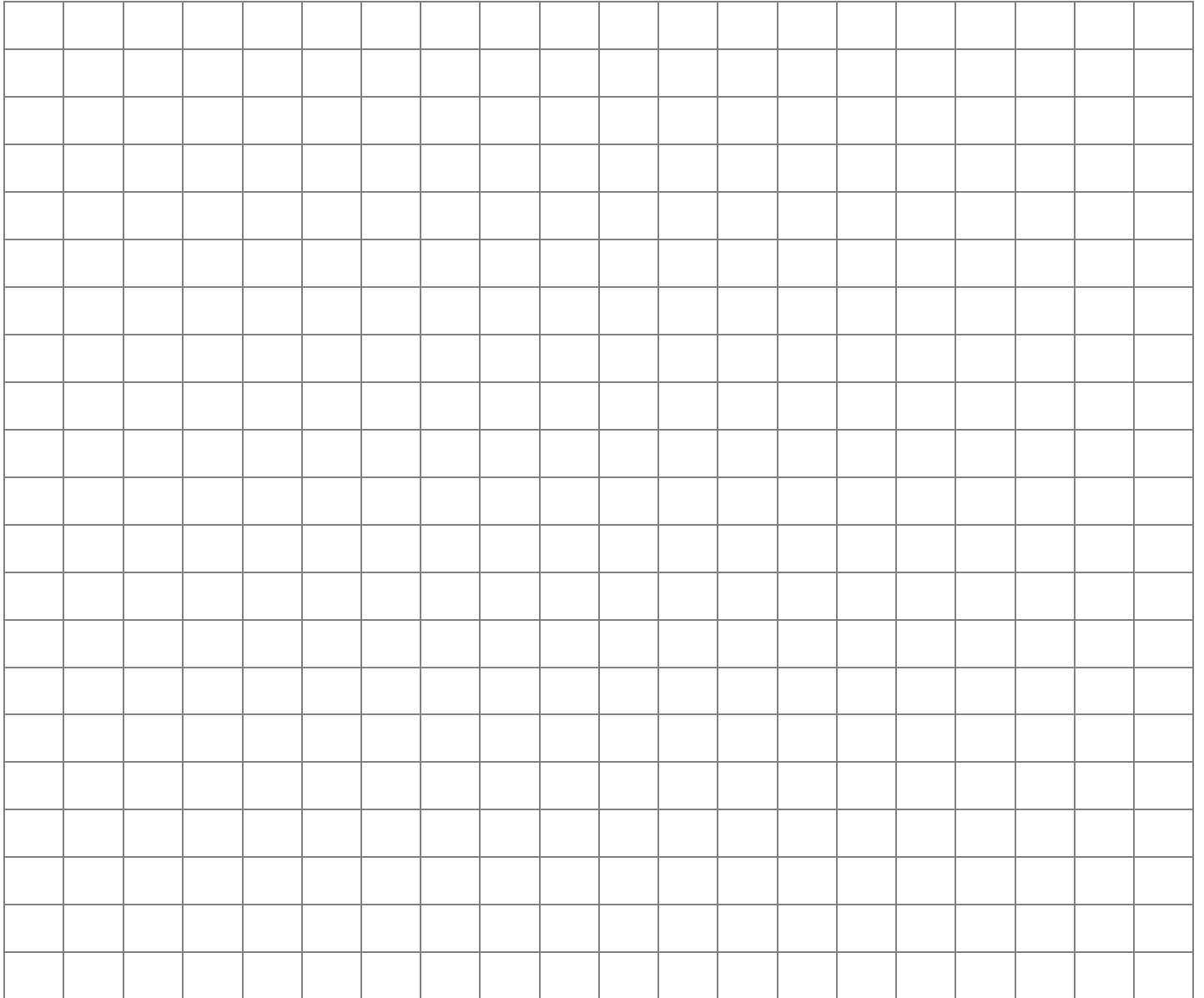
5. In cumulative frequency $F(2) =$

- (a)16 (b)26 (c)28 (d)29 (e) none of them

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Q4) From the grouped frequency distribution below construct a **Histogram**

Class interval	4-8	9-13	14-18	19-23	24-28	29-33	Total
Frequency	4	12	28	32	16	8	100



Good luck