

VU QUIZ REPORT

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Subject: STA301

Quiz Completed: 5/19/2026, 10:34:36 AM

Total Questions: 10

Mathematical Questions: 1

CROPPED Screenshots: 1

Question 1:

Question # 1 of 10 (Start time: 10:27:58 AM, 19 May 2026)

Total Marks: 1

The number of elements in the Power set $P(S)$ of the set $S = \{ \emptyset, 1, \{2, 3\} \}$ is:

Select the correct option

☐	6
☐	2
☐	8

You selected: C

Mathematical question (CROPPED screenshot - top 20% removed)

Selected Answer: C

Question 2:

Pearson's coefficient of skewness is equal to:

A. $\text{Mean} - 2\text{Mode} / \text{S.D}$

B. $\text{Mean} - \text{Mode} / \text{S.D}$

C. $\text{Mean} - \text{Median} / \text{S.D}$

D. $\text{Mean} - 2\text{Median} / \text{S.D}$

Selected Answer: B

Question 3:

In a Box and Whisker plot, left end of the box is referred to as:

- A. Median
- B. Second quartile
- C. Mode

D. First quartile

Selected Answer: D

Question 4:

If all the points in a scatter diagram lie on the least squares regression line, then the coefficient of correlation:

- A. 0
- B. -1

C. 1

- D. -1 to +1

Selected Answer: C

Question 5:

The distribution will be symmetrical. IF

A. median=midquartilerange=midrange

- B. median
- C. median>midquartilerange>midrange
- D. None of the above

Selected Answer: A

Question 6:

If $A = \{1,2,3,4\}$ and $B = \{3,4,5,6\}$ then $A \cap B$ will be:

- A. $\{1\}$
 - B. $\{2\}$
- C. $\{3,4\}$**
- D. $\{1,2\}$

Selected Answer: C

Question 7:

Which of the measure of dispersion is used to compare variation between two series?

- A. Q.D.
- B. M.D.
- C. C.V.**
- D. S.D.

Selected Answer: C

Question 8:

Sum of the deviations taken from the mean is equal to:

- A. Postive number
- B. Negative Number
- C. 0**
- D. 1

Selected Answer: C

Question 9:

In a five number summary, for a symmetrical distribution:

- A. Distance from X_0 to Q_1 equals to the distance from Q_3 to X_m
- B. Distance between Q_1 and median equals to distance from median to Q_3
- C. All of above**
- D. Median, the mid-quartile range and the midrange would be equal.

Selected Answer: C

Question 10:

The value of $10C_9$:

- A. 35
- B. 10**
- C. 35
- D. 45

Selected Answer: B

Mathematical Questions Note:

Questions containing mathematical equations and symbols are displayed as CROPPED screenshots (top 20% removed for privacy) to preserve the original formatting. Your selected answers are displayed below each screenshot for easy reference.