VIRTUAL UNIVERSITY OF PAKISTAN

A Good Education is a Foundation For a Better Future
CORRECT ANSWER SOLVED BY HADI
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TEAM HADI(VU LAHORE)

MID TERM PAST PAPER

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WARNING: Team HADI is not responsible for any mistake or wrong answer. All students reading and using this document may check and confirm the answers at their own.

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Best of luck!

PAST PAPER

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Question No : 1 of 26 Marks: 1 (Budgeted Time 1 Min)

A letter is chosen at random from the word STATISTICS. The probability of getting a vowel is:

Answer (Please select your correct option)

- 3/10 ⇦ CORRECT
- 4/10
- 5/10
- 6/10

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Question No : 2 of 26 Marks: 1 (Budgeted Time 1 Min)

When two coins are tossed simultaneously, P (one head) is:

Answer (Please select your correct option)

- $\frac{1}{4}$
- $\frac{1}{2}$
- $\frac{3}{4}$ ⇦ CORRECT
- 1

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Question No : 3 of 26 Marks: 1 (Budgeted Time 1 Min)

A value which has half of the observations above it and half of the observations below it; is known as.....

Answer (Please select your correct option)

- Rang
- Median
- Mean
- Mode

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Question No : 4 of 26 Marks: 1 (Budgeted Time 1 Min)

In a set of 20 values all the values are 2, what will be the Geometric Mean?

Answer (Please select your correct option)

- 2
- 5
- 10
- 20



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Question No : 5 of 26 Marks: 1 (Budgeted Time 1 Min)

Which of the following measure of dispersion is least affected by the extreme values in a data?

Answer (Please select your correct option)

- Range
- Quartile deviation
- Mean absolute deviation
- Standard deviation

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Question No : 6 of 26 Marks: 1 (Budgeted Time 1 Min)

Which is appropriate average for finding the average speed of a car:

Answer (Please select your correct option)

- Mean
- Geometric mean
- Harmonic mean
- Weighted mean

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Question No : 7 of 26 Marks: 1 (Budgeted Time 1 Min)

What will be the value of the total amount of dispersion obtained by summing the $(X-\bar{X})$?

Answer (Please select your correct option)

- 0
- -1
- 1
- 100

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Question No : 8 of 26 Marks: 1 (Budgeted Time 1 Min)

Rang measures the dispersion around the _____:

Answer (Please select your correct option)

- Extreme values
- Minimum value
- Maximum value
- Mid-range value

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Question No : 9 of 26 Marks: 1 (Budgeted Time 1 Min)

The deviation of a distribution from symmetry is called:

Answer (Please select your correct option)

- Kurtosis
- Skewness
- Dispersion
- Flatness

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Question No : 10 of 26 Marks: 1 (Budgeted Time 1 Min)

For the independent events A and B if P (A) = 0.25, P (B) =0.40 then P (A∩B) =.....

Answer (Please select your correct option)

- 0.65
- 0.1
- 0.50
- 0.15

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Question No : 11 of 26 Marks: 1 (Budgeted Time 1 Min)

The variable plotted on the vertical or Y-axis in a scatter diagram is called the:

Answer (Please select your correct option)

- Scatter variable



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- Independent variable
- Dependent variable
- Correlation variable

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Question No : 12 of 26 Marks: 1 (Budgeted Time 1 Min)

In a multiplication theorem P (A∩B) equals:

Answer (Please select your correct option)

- P (A) P (B)
- P (A) + P (B)
- P (A) × P (B|A)
- P(B|A)×P(B)

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Question No : 13 of 26 Marks: 1 (Budgeted Time 1 Min)

For two independent events A and B, if P(A) = 0.2 and P(B) = 0.4 , then what is P(A ∩B)?

Answer (Please select your correct option)

- 0.06
- 0.08
- 0.02
- 0.04

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Question No : 14 of 26 Marks: 1 (Budgeted Time 1 Min)

The level of satisfaction for a certain facility which Govt. is providing is the example of:

Answer (Please select your correct option)

- Constant
- Qualitative variable
- Variable
- Quantitative variable



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Question No : 15 of 26 Marks: 1 (Budgeted Time 1 Min)

Quantitative variable is further divided into:

Answer (Please select your correct option)

- Continuous variable
- Discrete variable
- Continuous & Discrete variable
- None of the above

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Question No : 16 of 26 Marks: 1 (Budgeted Time 1 Min)

If you connect the mid-points of rectangles in a histogram by a series of lines that also touches the x-axis from both ends, what will you get?

Answer (Please select your correct option)

- Ogive
- Frequency polygon
- Frequency curve
- Historigram

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Question No : 17 of 26 Marks: 1 (Budgeted Time 1 Min)

Which type of data is collected in population census?

Answer (Please select your correct option)

- Grouped data



correct answer solve by hadi,,but check it

- Secondary data
- Primary data



- Array data

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Question No : 18 of 26 Marks: 1 (Budgeted Time 1 Min)

Data obtained from the Bureau of Statistics, is an example of:

Answer (Please select your correct option)

- None of these
- Primary data
- Secondary data
- Qualitative data

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Question No : 19 of 26 Marks: 1 (Budgeted Time 1 Min)

A set that contains all possible outcomes of a system is known as

Answer (Please select your correct option)

- Finite Set
- Infinite Set
- Universal Set
- None of these



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Question No : 20 of 26 Marks: 1 (Budgeted Time 1 Min)

In positively skewed distribution, which of the following relationship exists:

Answer (Please select your correct option)

- The mean, median, and mode are all equal
- The mean is larger than the median
- The median is larger than the mean
- The standard deviation must be larger than the mean or the median

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Question No : 21 of 26 Marks: 2 (Budgeted Time 4 Min)

"If P (A|B) = 0 then A and B are independent".
Indicate whether the above statement is true or false? Also give reason.

Answer (Please click here to Add Answer)

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Question No : 22 of 26 Marks: 2 (Budgeted Time 4 Min)

What is coefficient of correlation?

Answer (Please click here to Add Answer)

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Question No : 23 of 26 Marks: 3 (Budgeted Time 6 Min)

How many distinct four-digits number can be performed from the following integers 1,2,3,4,5,6 if each integer is used only once?

Answer (Please click here to Add Answer)

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Question No : 24 of 26 Marks: 3 (Budgeted Time 6 Min)

For the given data calculate the mean deviation.

$X - \bar{X}$	+3	-3	-4	-1	+1	+4

Answer (Please click here to Add Answer)

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Question No : 25 of 26 Marks: 5 (Budgeted Time 10 Min)

Following data shows the total number of overtime hours worked for 30 consecutive weeks by workers in a machine shop. Find (i) Minimum value (ii) Maximum value (iii) Lower Quartile (iv) Upper Quartile for the following data.

94	89	88	90	94	92	88	87	85	88	93	94
93	92	88	94	90	93	84	93	84	91	93	85

Answer (Please click here to Add Answer)

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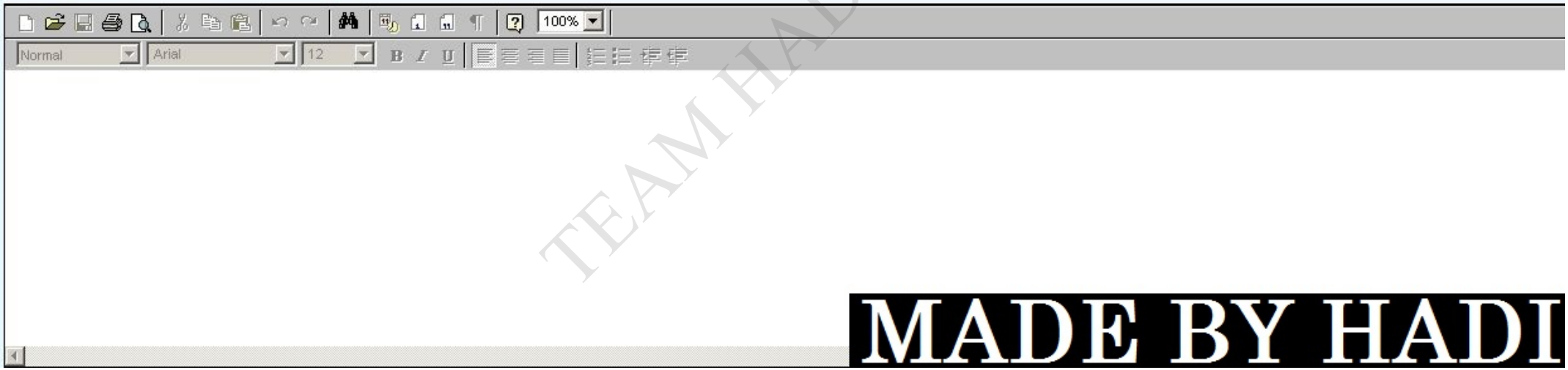
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Question No : 26 of 26 Marks: 5 (Budgeted Time 10 Min)

a. In a shipment of 20 computers, 3 are defective. Three computers are randomly selected and tested. What is the probability that all three are defective if the first and second ones are not replaced after being tested?

b. A fair die is tossed twice. Find the probability of getting a 4 or 5 on the first toss and a 1, 2, or 3 in the second toss.

Answer (Please click here to Add Answer)



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Question No : 25 of 26 Marks: 5 (Budgeted Time 10 Min)

94 89 88 90 94 92 88 87 85 88 93 94

93 92 88 94 90 93 84 93 84 91 93 85

91 89 95 89 94 92

Answer (Please click here to Add Answer)

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