

VIRTUAL UNIVERSITY OF PAKISTAN

A Good Education is a Foundation For a Better Future

CORRECT ANSWER SOLVED BY HADI
EMAIL: hadirajputofficial@gmail.com
WHATSAPP& CALL: 03087122922

TEAM HADI(VU LAHORE)

MID TERM PAST PAPER

We Deal All Kind of VU Project
(PHP, .NET, ANDROID, PYTHON)

MADE AND SOLVED BY HADI

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.



WhatsApp: 03087122922



FACEBOOK ID: <https://www.facebook.com/hadipastpapers/>

Best of luck!



Question No : 1 of 26

Marks: 1 (Budgeted Time 1 Min)

For two mutually exclusive events A and B, $P(A) = 0.2$ and $P(B) = 0.4$, then $P(A \cup B)$ is:

Answer (Please select your correct option)

☐ 0.8

☐ 0.2

☐ 0.6

☐ 0.5

☐ 0.6

☐ 0.5



CORRECT

A Good Education is a Foundation For a Better Future

CORRECT ANSWER SOLVED BY HADI
EMAIL: hadirajputofficial@gmail.com
WHATSAPP& CALL-03087122922

MADE BY HADI

Question No : 2 of 26

Marks: 1 (Budgeted Time 1 Min)

When two coins are tossed the probability of at most one head is:

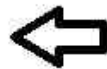
Answer (Please select your correct option)

☐ 1/4

☐ 2/4

☒ 3/4

☐ 4/4



correct

MADE BY HADI

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



CORRECT

A Good Education is a Foundation For a Better Future

CORRECT ANSWER SOLVED BY HADI
EMAIL: hadirajputofficial@gmail.com
WHATSAPP& CALL-03087122922

MADE BY HADI

Question No : 4 of 26

Marks: 1 (Budgeted Time 1 Min)

In a set of 20 values all the values are 10, what will be median?

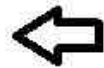
Answer (Please select your correct option)

☐ 2

☐ 5

☒ 10

☐ 20



correct

MADE BY HADI

Question No : 5 of 26

Marks: 1 (Budgeted Time 1 Min)

Which one of the following measure is not based on all the observations?

Answer (Please select your correct option)

☐ Arithmetic Mean

☐ Geometric Mean

☐ Harmonic Mean

☒ Mode



CORRECT

A Good Education is a Foundation For a Better Future

CORRECT ANSWER SOLVED BY HADI
EMAIL: hadirajputofficial@gmail.com
WHATSAPP: CALL: 09007199999

MADE BY HADI

Question No : 6 of 26

Marks: 1 (Budgeted Time 1 Min)

The collection of all the elements under study is called:

Answer (Please select your correct option)

☐ Population

☐ Sample

☐ Data

☐ Registration

correct

MADE BY HADI

Question No : 7 of 26

Marks: 1 (Budgeted Time 1 Min)

A five-number summary consists of :

Answer (Please select your correct option)

☐ X_0 , Q_1 , Median, Q_3 , and X_m



CORRECT

A Good Education is a Foundation For a Better Future

CORRECT ANSWER SOLVED BY HADI
EMAIL: hadirajputofficial@gmail.com
WHATSAPP& CALL-03087122922

☐ X_m , Q_1 , Mean, Q_3 , and X_0

☐ X_m , Q_1 , Mode, Q_3 , and X_0

☐ X_0 , Q_1 , Median, Q_2 , and X_m

MADE BY HADI

Question No : 8 of 26

Marks: 1 (Budgeted Time 1 Min)

For what condition of k , at least $1 - 1/k^2$ of the data-values fall within k standard deviations of the mean:

Answer (Please select your correct option)

☐ Greater than 1

correct

☐ Less than 1

☐ Greater or equal to 1

☐ Less or equal to 1

MADE BY HADI

Question No : 9 of 26

Marks: 1 (Budgeted Time 1 Min)

Which of the following can never be taken as the probability of an event?

Answer (Please select your correct option)

- ☐ 1
- ☐ 0
- ☐ 0.5
- ☐ -0.5



CORRECT

A Good Education is a Foundation For a Better Future

CORRECT ANSWER SOLVED BY HADI
EMAIL: hadirajputofficial@gmail.com
WHATSAPP& CALL-03087122922

MADE BY HADI

Question No : 10 of 26

Marks: 1 (Budgeted Time 1 Min)

If E is an impossible event, then $P(E)$ is:

☐

1

☐

0.15

☒

0

☐

0.5

correct

MADE BY HADI

The average which is defined as the reciprocal of the arithmetic mean of the reciprocals of the values is called:

Answer (Please select your correct option)

☐ Geometric Mean

☒ Harmonic Mean

☐ Mode

☐ Median



CORRECT

A Good Education is a Foundation For a Better Future

CORRECT ANSWER SOLVED BY HADI
EMAIL: hadirajputofficial@gmail.com
WHATSAPP& CALL: 03087122922

MADE BY HADI

Question No : 12 of 26

Marks: 1 (Budgeted Time 1 Min)

An automobile is running, during the first 60 Km, at the rate of 10 Km/hr. During the second 60 Km at the rate of 30Km/hr, while during the third 60 Km its speed was 40 Km/hr. What method is more appropriate to calculate the average speed?

Answer (Please select your correct option)

- ☐ Median
- ☐ Arithmetic mean
- ☐ Harmonic mean
- ☐ Geometric mean

correct

MADE BY HADI

Question No : 13 of 26

Marks: 1 (Budgeted Time 1 Min)

What is the standard deviation of the following values?
7, 7, 7, 7, 7, 7, 7

Answer (Please select your correct option)

☐ 7

☐ 1

☐ 49

☒ 0



CORRECT

A Good Education is a Foundation For a Better Future
CORRECT ANSWER SOLVED BY HADI
EMAIL: hadirajputofficial@gmail.com
WHATSAPP & CALL: 03087122922

MADE BY HADI

Question No : 14 of 26

Marks: 1 (Budgeted Time 1 Min)

Which one of the following is a meso-kurtic curve?

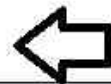
Answer (Please select your correct option)

☐ Negatively skewed

☐ Positively skewed

☐ J-shaped

☒ Normal



correct

MADE BY HADI

Question No : 15 of 26

Marks: 1 (Budgeted Time 1 Min)

Men tend to marry women who are slightly younger than themselves. Suppose that every man married a woman who was exactly 5 years younger than themselves. Which of the following is correct?

Answer (Please select your correct option)

☐ The correlation coefficient is -5

☐ The correlation coefficient is 5

☐ The correlation coefficient is 1

☐ The correlation coefficient is 0

MADE BY HADI

Question No : 16 of 26

Marks: 1 (Budgeted Time 1 Min)

In a multiplication theorem $P(A \cap B)$ equals:

☐ $P(A) P(B)$

☐ $P(A) + P(B)$

☒ $P(A) \times P(B|A)$

☐ $P(B|A) \times P(B)$



CORRECT

A Good Education is a Foundation For a Better Future

CORRECT ANSWER SOLVED BY HADI
EMAIL: hadirajputofficial@gmail.com
WHATSAPP& CALL: 03087122922

MADE BY HADI

Question No : 17 of 26

Marks: 1 (Budgeted Time 1 Min)

Which one of the following is the class frequency?

Answer (Please select your correct option)

☒ The number of observations in each class

correct

☐ The difference between consecutive lower class limits

☐ Always contains at least 5 observations

☐ Usually a multiple of the lower limit of the first class

MADE BY HADI

Question No : 18 of 26

Marks: 1 (Budgeted Time 1 Min)

Which of the following comes first to make frequency distribution.

Answer (Please select your correct option)

☐ Number of Groups

☐ Class interval

☒ Range

☐ Tally marks



CORRECT

A Good Education is a Foundation For a Better Future

CORRECT ANSWER SOLVED BY HADI
EMAIL: hadirajputofficial@gmail.com
WHATSAPP& CALL-03087122922

MADE BY HADI

Question No : 19 of 26

Marks: 1 (Budgeted Time 1 Min)

Data obtained from the Ministry of food, is an example of

Answer (Please select your correct option)

☐ Primary data

☒ Secondary data

☐ Qualitative data

☐ None of these



CORRECT

A Good Education is a Foundation For a Better Future

CORRECT ANSWER SOLVED BY HADI
EMAIL: hadirajputofficial@gmail.com
WHATSAPP& CALL: 03087122922

MADE BY HADI

Question No : 20 of 26

Marks: 1 (Budgeted Time 1 Min)

Total angle of a Pie Chart is:

Answer (Please select your correct option)

☐

90°

☐

180°

☐

270°

☐

360°

correct

MADE BY HADI

Question No : 21 of 26

Marks: 2 (Budgeted Time 4 Min)

Which two suits of playing cards are made of black color?

Answer ([Please click here to Add Answer](#))



MADE BY HADI

Question No : 22 of 26

Marks: 2 (Budgeted Time 4 Min)

Why standard deviation is better than mean absolute deviation?

Answer ([Please click here to Add Answer](#))



MADE BY HADI

Question No : 23 of 26

Marks: 3 (Budgeted Time 6 Min)

Write down the two normal equations of the regression line of Y on X.

Answer ([Please click here to Add Answer](#))



MADE BY HADI

Question No : 24 of 26

Marks: 3 (Budgeted Time 6 Min)

The numbers of airplane accidents in a year are: 1, 2, 3, 4 with corresponding probabilities $\frac{1}{6}$, $\frac{2}{6}$, $\frac{2}{6}$ and $\frac{1}{6}$. What are the expected number of annual accidents?

Answer ([Please click here to Add Answer](#))



MADE BY HADI

Question No : 25 of 26

Marks: 5 (Budgeted Time 10 Min)

The numbers of airplane accidents in a year are 1, 2, 3, 4 with corresponding probabilities $\frac{1}{6}$, $\frac{2}{6}$, $\frac{2}{6}$ and $\frac{1}{6}$. What is the variance of annual accidents?

Answer ([Please click here to Add Answer](#))



MADE BY HADI

Question No : 26 of 26

Marks: 5 (Budgeted Time 10 Min)

Fit the regression line Y on X from the following data.

$$\Sigma X = 15, \Sigma Y = 10, \Sigma XY = 37, \Sigma X^2 = 55, \bar{Y} = 2, \bar{X} = 3, n = 5$$

Answer ([Please click here to Add Answer](#))



MADE BY HADI

HADI VU PAST PAPER

WE DEAL ALL KIND OF VU PROJECT
(PHP, ANDROID, PYTHON)

DEAR STUDENTS

ARE YOU LOOKING
FOR ASSISTANCE

- 1) ASSIGNMENTS
- 2) QUIZZES
- 3) GDB
- 4) GRAND QUIZZES

We Provide, You Solution
of VU Academic Activities
include Assignments,
Quizzes, GDBs, Grand Quizzes
If You Need Help in Services
Kindly inform us.

TEAM HADI
(VU LAHORE)



TEAM HADI
(VU LAHORE)



HADI TECH

#PAID_TASK

CONTACT US

CALL & WHATSAPP

0308-7122922