Started on	Wednesday, 30 September 2020, 4:41 PM
State	Finished
Completed on	Wednesday, 30 September 2020, 4:49 PM
Time taken	8 mins 24 secs
Marks	9.00/10.00
Grade	**90.00** out of 100.00

Question 1

Complete

Mark 0.00 out of 1.00

Flag question

1. If a coin is tossed twice , the probability of getting at least one head is----------

Select one:

- a. 0
- b. 1/2
- c. 1
- d. 3/4

Question 2

Complete

Mark 1.00 out of 1.00

Flag question

The probability that a leap year will have 53 Tuesdays is ----------

Select one:

- a. 2/7
- b. 4/7
- c. 3/7
- d. 1/7

Question 3

Complete

Mark 1.00 out of 1.00

Flag question

1. The probability of solving a problem by three students A,B,C respectively are 1/3, 1/4, 1/5 . Then the probability that the problem will be solved is------

Select one:

- a. 3/5
- b. 2/5
- c. 1/5
- d. 4/5

Question 4

Complete

Mark 1.00 out of 1.00

Flag question

If a card is drawn from a well shuffled pack of 52 cards , then the probability that a king or a queen is--------

Select one:

- a. 0
- b. 1
- c. 2/13
- d. 1/13

Question 5

Complete

Mark 1.00 out of 1.00

Flag question

1. Two bolts are drawn from a box containing 4 good and 6 bad bolts . The probability that the second bolt is good if the first one is found to be bad----------

Select one:

- a. 1/5
- b. 1/15
- c. 5/4
- d. 4/15

Question 6

Complete

Mark 1.00 out of 1.00

Flag question

A random variable X has the following probability function :

Determine K

X=x	1	2	3	4	5	6
P(X)	K	3K	5K	7K	9K	11K

Select one:

- a. 2/36
- b. 1/9
- c. 1/12
- d. 1/36

Question 7

Complete

Mark 1.00 out of 1.00

Flag question

For the following probability distribution, find the missing probability

X	-3	-2	-1	0	1	2	3
P(X)	0.001	0.01	0.1	?	0.1	0.01	0.001

Select one:

- a. 0.8
- b. 0.2
- c. 0.002
- d. 0.778

Question 8

Complete

Mark 1.00 out of 1.00

Flag question

1. If the probability of a defective bolt is 0.2 , find mean for the distribution of bolts in a total of 400.

Select one:

- a. 80
- b. 0.2
- c. 40
- d. 0.8

Question 9

Complete

Mark 1.00 out of 1.00

Flag question

1. A bank received on the average 6 bad cheques per day , find the probability that it will receive 4 bad cheques on any given day

Select one:

- a. 0.139
- b. 0.1339
- c. 60
- d. 20

Question 10

Complete

Mark 1.00 out of 1.00

Flag question

If a random variable has the probability density

$$f(x) = \begin{Bmatrix} 2\,e^{-2x} : for\ x>0 \\ 0 \quad ;otherwise \end{Bmatrix}$$

find the probabilities that it will take on a value between 1 and 3

Select one:

- a. $e^{-2} - e^{-6}$
- b. $e^{-2} - e^{1}$
- c. 1
- d. 0

Quiz Navigation

1 2 3 4 5 6 7 8 9 10

Finish review