**Question # 6 of 10 ( Start time: 12:00:47 PM, 07 June 2023 )** **Total Marks:** 1

The probability of drawing 'zero white' ball from a bag containing 4 red, 8 black and 3 white balls is:

**Select the correct option**

- 12/15 correct
- 0
- 8/15
- 1/2

**Question # 5 of 10 ( Start time: 11:59:20 AM, 07 June 2023 )** **Total Marks:** 1

If P (B) = 0.75, P (A) = 0.35 and P (A and B) = 0.20, then P (B | A) is:

**Select the correct option**

- ○ 0.27
- ○ 0.32
- ○ 0.57
- ○ 0.41

correct

**Question # 10 of 10 ( Start time: 12:06:59 PM, 07 June 2023 )** **Total Marks:** 1

If a die is rolled, what is the probability of getting an even number greater than 2?

**Select the correct option**

- ○ 5/6
- ○ 1/3 correct
- ○ 1/2
- ○ 2/3

Question # 7 of 10 ( Start time: 12:02:28 PM, 07 June 2023 ) Total Marks

In a Venn diagram, the overlap between two circles represents:

Select the correct option

- The difference between the number of elements in two sets
- The elements that are in either of two sets
- The union of two sets
- The intersection of two sets

correct

Question # 4 of 10 ( Start time: 11:38:09 AM, 07 June 2023 ) Total Marks: 1

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

**Select the correct option**

| | |
|---|---|
| ○ | 1/4 |
| ○ | 1 |
| ○ | 2/4 |
| ○ | 3/4 correct |

STA301 - Statistics and Probability (Quiz#2) Quiz Start Time: 11:53 AM, 07 June 2023

Question # 8 of 10 ( Start time: 12:03:54 PM, 07 June 2023 ) Total Marks: 1

An event that contains more than one sample points is called:

Select the correct option

- Not mutually exclusive event
- Hyper event
- Compound event
- Mutually exclusive event

correct

Question # 1 of 10 ( Start time: 11:53:56 AM, 07 June 2023 ) Total M

A card is drawn from a pack of 52 cards. The probability of getting a queen of club or a king of heart is:

**Select the correct option**

- ○ 1/52
- ○ 1/13
- ○ 2/13
- ◉ 1/26

correct

**STA301 - Statistics and Probability (Quiz#2)** **Quiz Start Time: 11:53 AM, 07 June 202**

**Question # 9 of 10 ( Start time: 12:05:18 PM, 07 June 2023 )** **Total Marks:**

A graphical device used to list all possibilities of a sequence of outcomes in systematic way is called:

**Select the correct option**

- ○ Pie diagram
- ○ Probability histogram correct *20% chances*
- ○ Tree diagram correct *80% chances*
- ○ Venn diagram

If A and B are mutually exclusive events and P (A) = 4/36 and P (B) = 6/36, then P(AUB) will be

**Select the correct option**

| | |
|---|---|
| ○ | 5/36 |
| ○ | 10/36 correct |
| ○ | 11/36 |
| ○ | 9/36 |

Click to Save Answer & Move to Next Question

Question # 2 of 10 ( Start time: 11:55:24 AM, 07 June 2023 ) Total Marks: 1

Consider a set A = {1, 2, 3}. What is the number of subsets of A?

Masters

**Select the correct option**

- 8 correct
- 9
- 3
- 6

Click to Save Answer & Move to Next Question