

ISM Quiz1

Started: Dec 11 at 1:10pm

Quiz Instructions

Number of Questions : 10

Time Limit: 60 Minutes

Starts at : 10th December 6.00 PM

Ends at : 11th December 23.59 PM

Question 1

0.5 pts

There are 3 red balls, 4 green balls, and 5 black balls in a basket. The probability of not getting the red balls is

☐ 5/12

☐ 1/3

☐ 1/4

☒ 3/4

Question 2

0.5 pts

In a reputed school, the probability of boys playing baseball is 0.6 and the probability of boys playing baseball and foot ball is 0.24. what is the probability of those who play baseball also play football?

☐ 20%

☒ 40%

☐ 30%☐ 50%**Question 3****0.5 pts**

Let X and Y are two independent events. if $P(X \cap Y) = \frac{1}{6}$ and $P(X' \cap Y') = \frac{1}{3}$ then $P(X) = ?$

☒ 1/2☐ 1/3☐ 1/6☐ 3/4**Question 4****0.5 pts**

Let E and F be events of a sample space S of an experiment, if $P(S|F) = P(F|F)$, then value of $P(F|F)$ is _____

☐ 2☐ -1☒ 1☐ 0**Question 5****0.5 pts**

There are 8 blue toys and 12 red toys in a shop. Two toys are chosen at random by a kid without replacement. What is the probability that the selected toys are of different

colors?

☐ 38/95

☐ 24/95

☒ 48/95

☐ 45/95

Question 6

0.5 pts

Three fair coins are tossed. What is the probability that at least one coin lands tails up?

☒ 7/8

☐ 5/8

☐ 1/8

☐ 3/8

Question 7

0.5 pts

A box contains 10 identical balls. 6 of them are Green and 4 are Pink. Two balls are randomly selected without replacement from the box. What is the probability of getting two green balls?

☐ 6/10

☐ 5/9

☐ 5/10

☒ 1/3

Question 8**0.5 pts**

What is the probability of not happening of an event E if the $P(E) = .01$

- ☐ 0.9%
- ☐ 0.99%
- ☒ 99%
- ☐ 90%

Question 9**0.5 pts**

Measure of distance which greatly influenced by extreme values in data is considered as

- ☐ Average
- ☐ Quartile deviation
- ☐ Standard deviation
- ☒ Range

Question 10**0.5 pts**

In a distribution if the standard deviation is very close to mean then what can you say about arithmetic mean?

- ☐ Low in magnitude
- ☐ Not a Good representative
- ☐ High in magnitude

☒ Good representative

Quiz saved at 1:21pm

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