

## Business Statistics (E.M) - ICom Part 2 Business Statistics Chapter 5 Short Questions Test

Q1. What is probability of black cards among 52 playing cards.

**Ans 1:** 26/52

Q2. What is the probability of vowel letters in the word Statistics.

**Ans 1:** 3/10

Q3. Give an example of not mutually exclusive events.

**Ans 1:** In the experiment of throwing a die, the event of getting an even number (2,4,6) and the event of getting a number greater than 3 (4,5,6) two numbers 4 and 6 are not mutually exclusive i.e. they can occur simultaneously.

Q4. Define independent event.

**Ans 1:** Events which have no effect on happening and not happening of each other are called independent events.

Q5. Define impossible event.

**Ans 1:** An event which contains no sample point of the sample space is called impossible event.

Q6. Define dependent events.

**Ans 1:** Events which have effect on happening or not happening of each other are called dependent events.

Q7. What are mutually exclusive events and give their two examples.

**Ans 1:** Events which may not occur together are called mutually exclusive events. In other words, if one occurs, the other may not occur. For example, walk and drive, married and single.

Q8. What are equally likely events.

**Ans 1:** Events which have same chances to occur are called equally likely events.

Q9. Define random variable.

**Ans 1:** A variable whose values are determined by the outcomes of a random experiment is called a random variable.

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Q10. What is sure event.

**Ans 1:** An event which contains all point /elements of the sample space is called sure event.

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