

# Mathematics

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(Chapter – 13) (Statistics & Probability)(Exemplar Problems)  
(Class – X)

## Exercise 13.1

Choose the correct answer from the given four options:

**Question 17:**

If  $P(A)$  denotes the probability of an event  $A$ , then

(A)  $P(A) < 0$

(B)  $P(A) > 1$

(C)  $0 \leq p(A) \leq 1$

(D)  $-1 \leq p(A) \leq 1$

 **Answer 17:**

(C)  $0 \leq p(A) \leq 1$

**Solution:**

Since, probability of an event always lies between 0 and 1.

Hence, the option (C) is correct.

