A die is rolled three times. The probability of getting a number larger than the previous number each time is

A 11/72

B 5/54

C 19/216

7/18

Correct option is B)

Total number of ways =  $6 \times 6 \times 6$ 

$$n(S) = 216$$

The number of favorable ways =  ${}^{6}C_{3}$ 

$$\therefore$$
 n(E) =  ${}^{6}C_{3}$ 

Hence, required probability = 
$$\frac{^{6}\text{C}_{3}}{6 \times 6 \times 6} = \frac{5}{54}$$