Assignment 4: CBSE Probability Class 9

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Outline

Question

Exercise 15.2 Example 7

The percentage of marks obtained by a student in the monthly unit tests are given below:

Unit test	I	II	III	IV	V
Percentage of marks obtained	69	71	73	68	74

Table 1: Percentage of marks

Based on this data find the probability that the student gets more than 70% marks in a unit test.

Solution

Let variable $X \in \{0, 1\}$ denote the event of getting more than 70% marks. from the given table

$$\Pr(X = 1) = \frac{3}{5} \tag{1}$$

$$= 0.6 \tag{2}$$

Probability that the student gets more than 70% marks is 0.6.