

# AI1110 Assignment 2 in L<sup>A</sup>T<sub>E</sub>X

Hima Chandh\*

**10.15.1.1:** Complete the following statements:

- (i) Probability of an event  $E$  + Probability of the event 'not  $E$ ' = \_\_\_\_.
- (ii) The probability of an event that cannot happen is \_\_\_\_ .Such an event is called \_\_\_\_.
- (iii) The probability of an event that is certain to happen is \_\_\_\_ .Such an event is called \_\_\_\_.
- (iv) The sum of the probabilities of all the elementary events of an experiment is \_\_\_\_.
- (v) The probability of an event is greater than or equal to \_\_\_\_ and less than or equal to \_\_\_\_.

**Solution:**

- (i) 1
- (ii) 0 , impossible event
- (iii) 1 , certain event
- (iv) 1
- (v) 0 , 1