

Assignment 2

EE22Btech11031

Q: A card is drawn from a deck of 52 cards. The event E is that the card is not an ace of hearts. The number of outcomes favorable to E is:

- (a) 4
- (b) 13
- (c) 48
- (d) 51

Solution: Total cards = 52

No. of ace of heart = 1

Outcomes favorable to event

E = total cards - ace of hearts

$$= 52 - 1 \quad (1)$$

$$= 51 \quad (2)$$