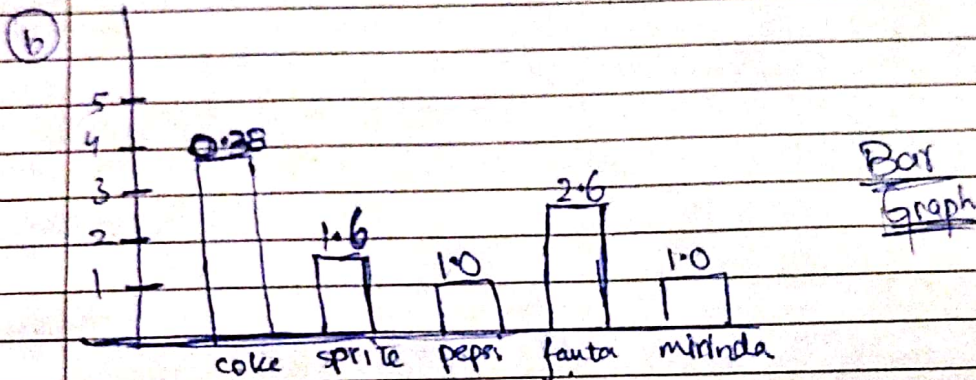


Roll No: 211-6260

Q1

	f	Degree°
coke	0.38	136.8
Sprite	0.16	57.6
pepsi	0.10	36
fanta	0.26	93.6
mirinda	0.10	36
Σ	1	$\Sigma 360^\circ$



Q2

(1) $8 \times 3 \Rightarrow 24$

(2) $4 \times 3 \times 2 \times 2 \Rightarrow 48$

(3) $8 \times 5 \Rightarrow 56$

(b) $7! \Rightarrow 5040$

(4) $7 \times 5 = 21$

(b) $5 \times 3 = 10$

Q#3

(1) $\left(\frac{4}{52} \times \frac{3}{51}\right) \times \left(\frac{4}{50} \times \frac{3}{49} \times \frac{2}{48}\right)$

(2) (a)

Next Page

Q/ Part No.

$P(B) = \text{Brake}$

$P(F) = \text{Fuel}$

$$(2)(a) \quad P(B \cup F) = P(B) + P(F) - P(B \cap F)$$

$$\begin{aligned} P(B \cup F) &= P(B) + P(F) - P(B \cap F) \\ &= 0.25 + 0.17 - 0.15 \\ &\Rightarrow 0.27 \end{aligned}$$

(b)

$$\begin{aligned} &1 - 0.27 \\ &\Rightarrow 0.73 \end{aligned}$$