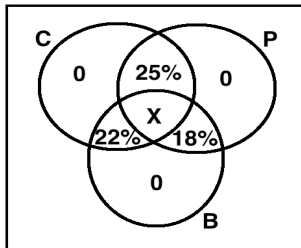


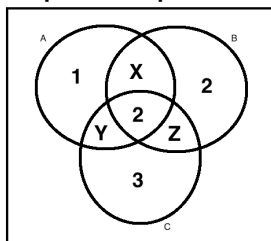
Resposta da questão 01: [C]



$$X + 22\% + 18\% + 25\% = 100\%$$

$$X = 35\%$$

Resposta da questão 02: [D]



$$X + Y + Z = 3$$

$$n(A) + n(B) + n(C) = X + Y + 3 + X + Z + 4 + Y + Z + 5$$

$$n(A) + n(B) + n(C) = 2X + 2Y + 2Z + 12 = 18$$

Resposta da questão 03: [A]

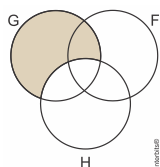
$$2^{n(A)} + 2^{n(B)} - 1 + 1 = 2^{n(A)+n(B)}$$

$$\Leftrightarrow 2^{n(A)} + 2^{n(B)} = 2^{n(A)+n(B)} \Leftrightarrow n(A) = n(B) = 1$$

Portanto, $n(A) - n(B) = 0$

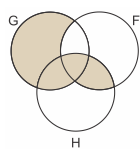
Resposta da questão 04: [C]

Utilizando os diagramas de Venn, pode-se representar o conjunto $G - H$ como sendo:

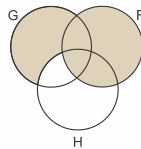


Comparando este diagrama com os apresentados nas alternativas, tem-se:

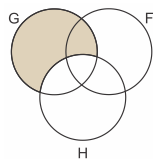
[A] $(G \cup F) - (F - H)$



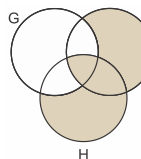
[B] $(G \cup H) - (H - F)$



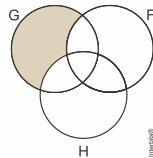
[C] $(G \cup (H - F)) \cap \bar{H}$



[D]



[E]



Assim, comparando-se os diagramas percebe-se que a alternativa correta é a alternativa [C].

Resposta da questão 05: [E]

