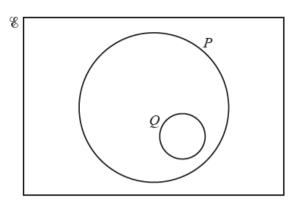
<u>Set language and notation – 2022 O Level Math D</u>

- 1. June/2022/Paper_11/No.18
 - (a) In the Venn diagram, shade the region represented by $P \cap Q'$.



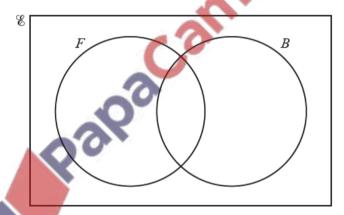
[1]

- (b) A club has 32 members.
 - 14 of the members are female and 18 of the members are male.
 - 5 of the females have black hair.
 - 6 of the males have black hair.

 $\mathscr{E} = \{\text{members of the club}\}\$

 $F = \{females\}$

 $B = \{\text{members with black hair}\}\$



Complete the Venn diagram to show this information.

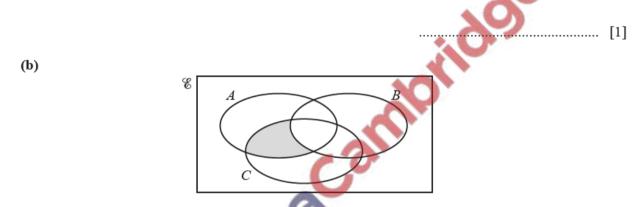
[2]

2. June/2022/Paper_12/No.19

- (a) $\mathscr{C} = \{a, b, c, d, e, f, g, h, i, j\}$ $P = \{a, e, i\}$ $Q = \{f, g, h, i, j\}$ $R = \{c, d, e, f, g\}$
 - (i) Find $P \cup Q$.

.....[1]

(ii) Find $n(P' \cap (Q \cup R))$.



Use set notation to describe the shaded subset in the Venn diagram.

