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OF

-  $A \cup B = \{4, 5, 6\}$

$B = \{0, 1, 2, 3\}$

$A \cap B = \{b, f\}$

ii°  $A - B = \{A, D\}$

$\{4, 5, 6\}$

$\{0, 1, 2, 3\}$

-  $P \cup Q = \{1, 2, 3, 4, 5, 6, 7, 8\}$

$B - 1 = \{2, 3, 4, 5, 6, 7\}$

$A \cup B \Rightarrow \{3, 6, 4, 1, 5, 2\}$

$(A \cap B)' = \{ \}$

$\{0, 1, 2, 3\}$

$$3i- A \cup (B \cap C) =$$

$$A \cup \{7, 11\}$$

$$= \underline{\{3\}}$$

$$ii- \{1, 2, 3, 4, 5, 6, 7\}$$

$$iii- \{1, 2, 3, 4, 5, 6, 7, 8\}$$

$$iv- \{5, 6, 7\} \quad \{5\}$$

$$v- \{4, 5\} \quad \{5\}$$

Yes; Yes

$$4i- \emptyset$$

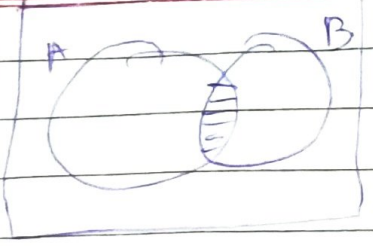
$$ii- \{1, 5, 6, 7, 9\}$$

$$iii- \{2, 3, 4, 6, 7, 8, 9, 10\}$$

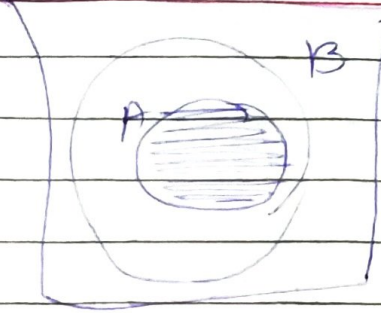
$$iv- \{1, 5\}$$

$$v- \{1, 5, 6, 7, 9\}$$

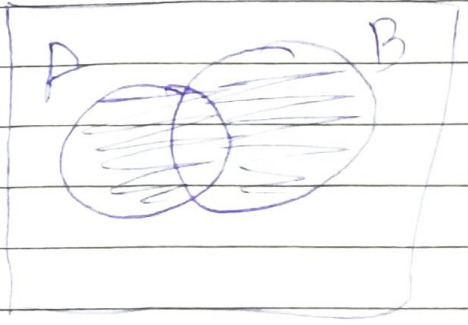
3i-



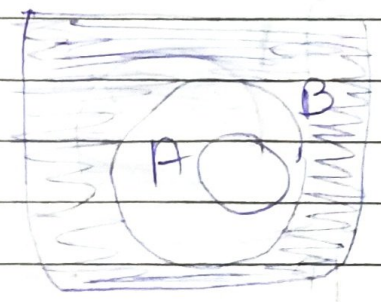
iii-



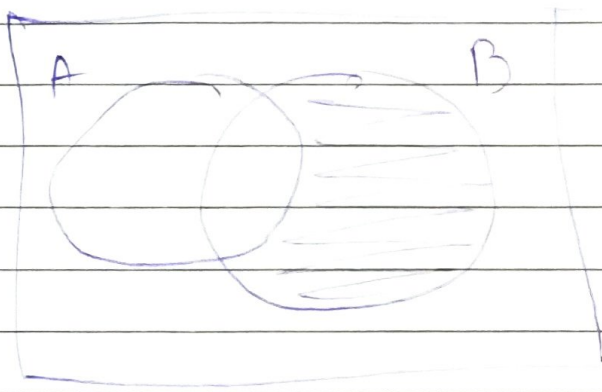
ii-



iv-



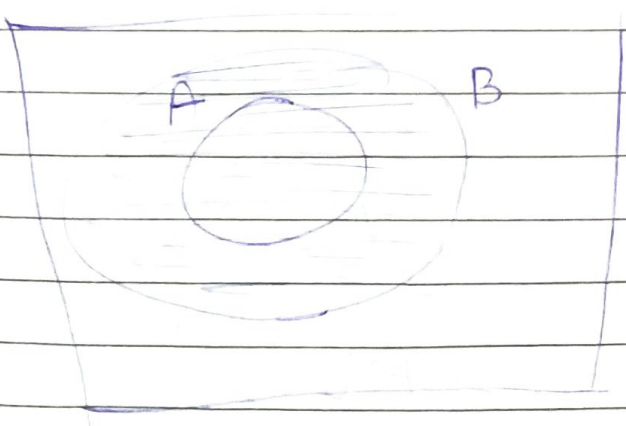
iii-



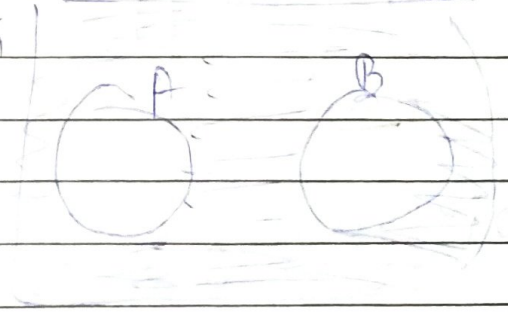
2i-



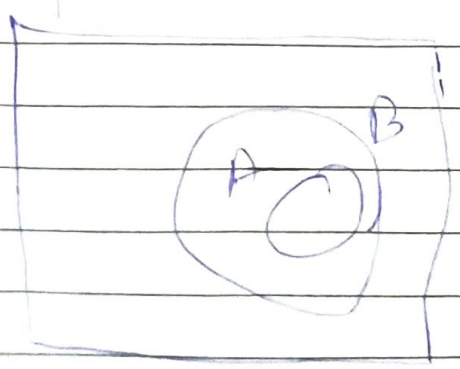
6i-



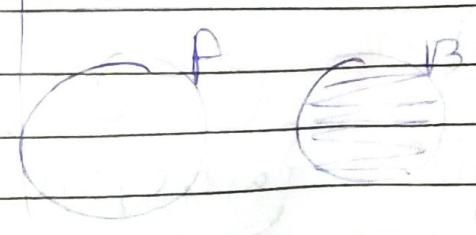
ii



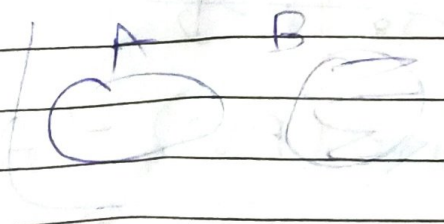
ii-



iii



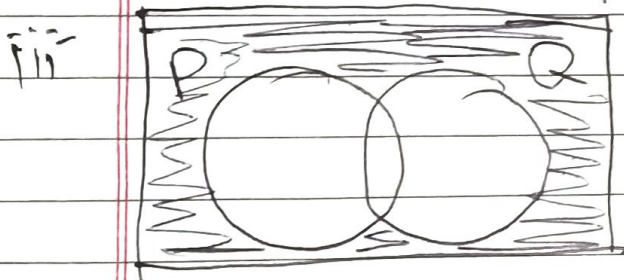
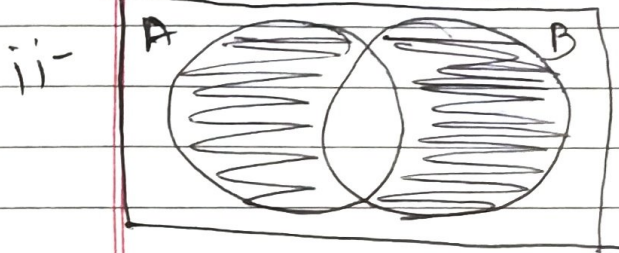
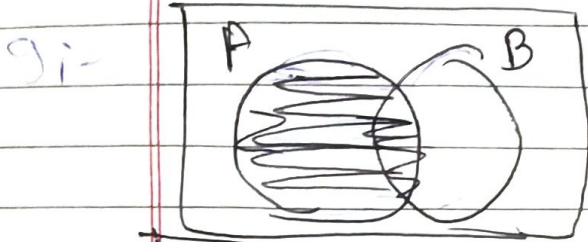
iv-



8i  $(A \cup B)'$

ii-  $B - A$  or  $A' \cap B$

iii-  $(b - f)'$



10i-  $\{a, d, g\}$

ii-  $\{d, e, g\}$

iii  $\{a, b, c, d, e\}$

11 i-  $A - B$

ii-  $(A \cup B) - (A \cap B)$

iii-  $(A \cap B)'$

iv-  $B'$

v-  $(A \cup B)'$