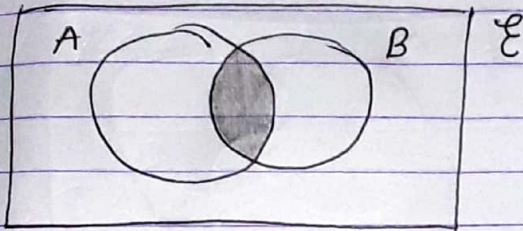


Venn diagram

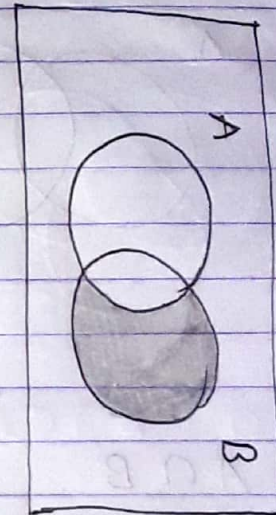
Exercise - 3

Ans: No: 1

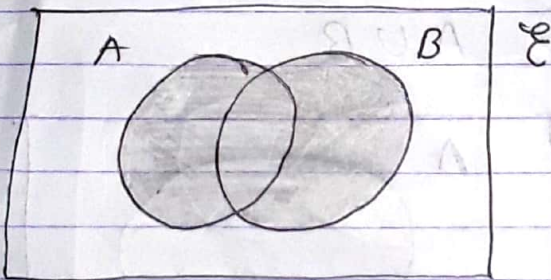
(a) $A \cap B$



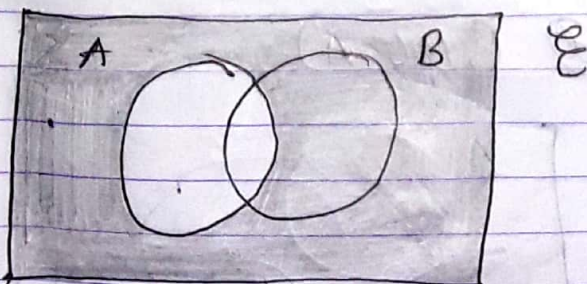
(d) $A' \cap B$



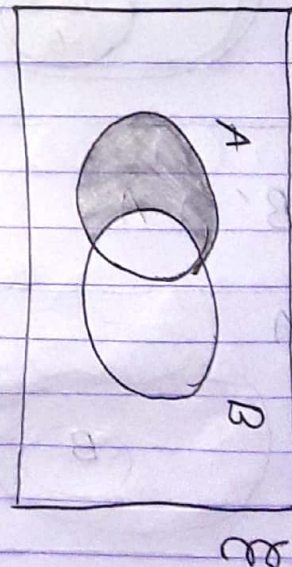
(b) $A \cup B$



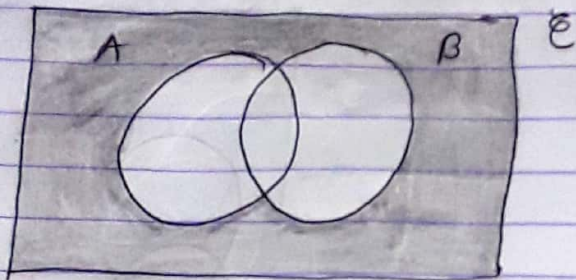
(c) A'



(e) $B' \cap A$

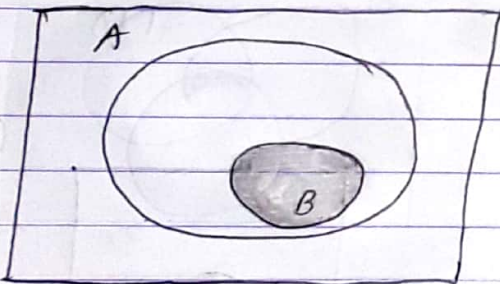


Ⓕ $(B \cup A)'$

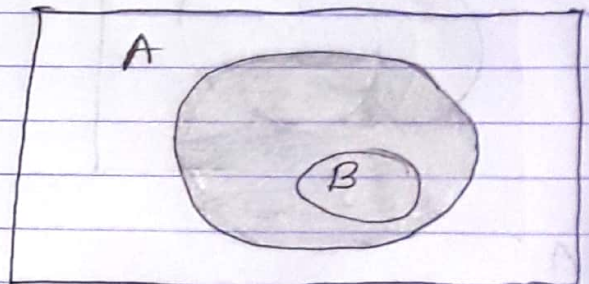


Ans: No. 2

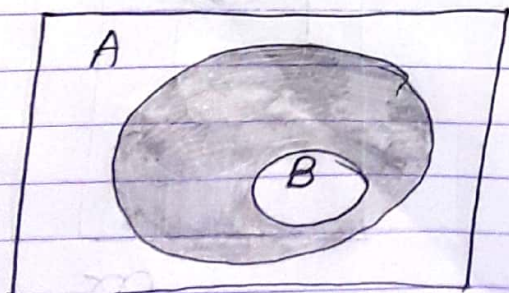
Ⓐ $A \cap B$



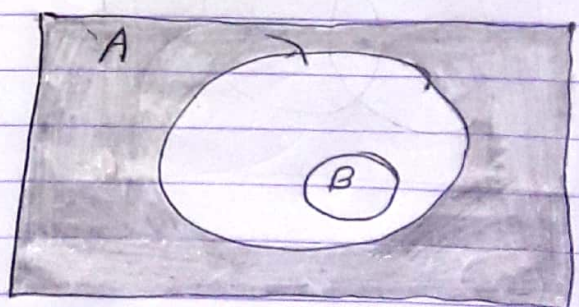
Ⓑ $A \cup B$



Ⓒ $B' \cap A$

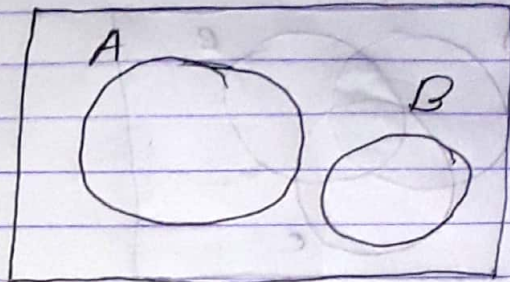
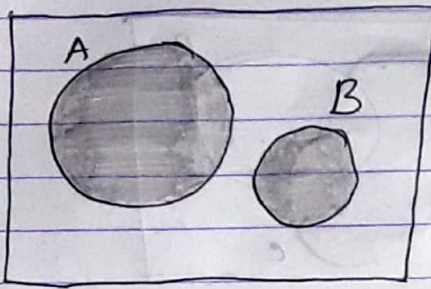


Ⓓ $(B \cup A)'$

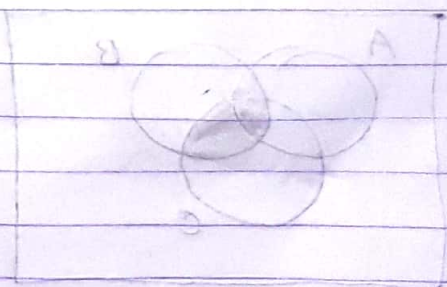
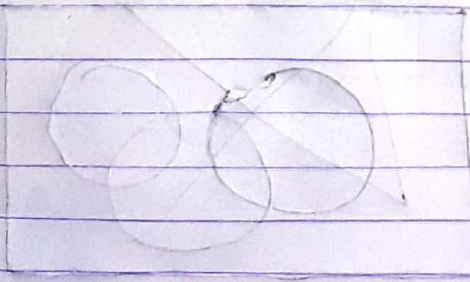
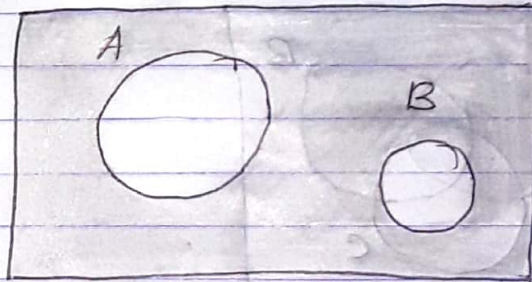
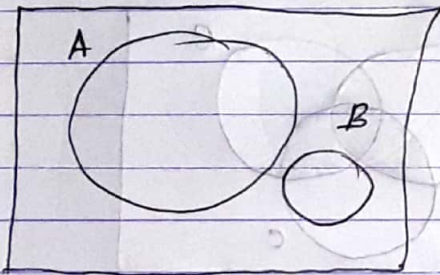


Ans: No: 3

Ⓐ ~~A ∩ B~~ A ∪ B Ⓑ A ∩ B

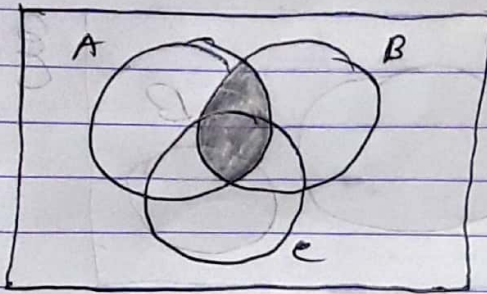


Ⓒ A ∩ B' Ⓓ (B ∪ A)'

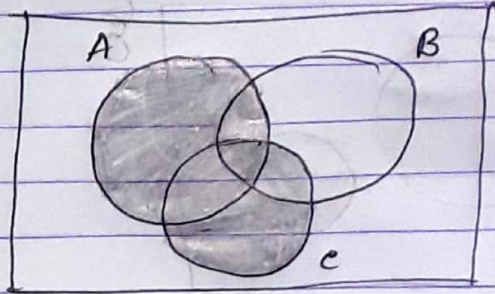


Ans No 4

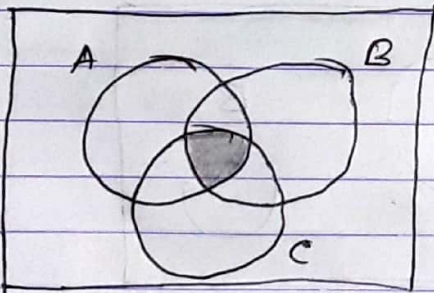
Ⓐ $A \cap B$



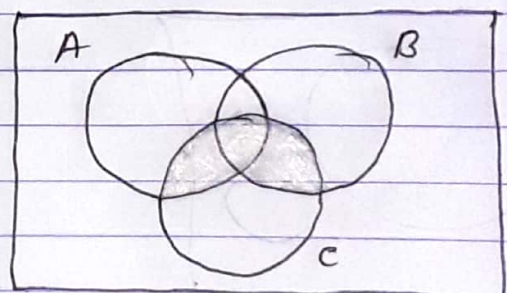
Ⓑ $A \cup C$



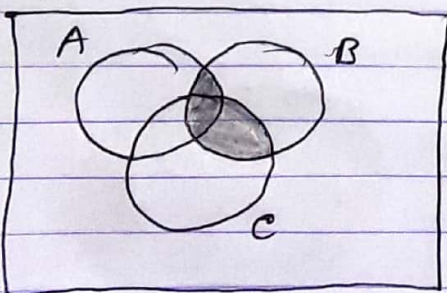
Ⓒ $A \cap (B \cap C)$



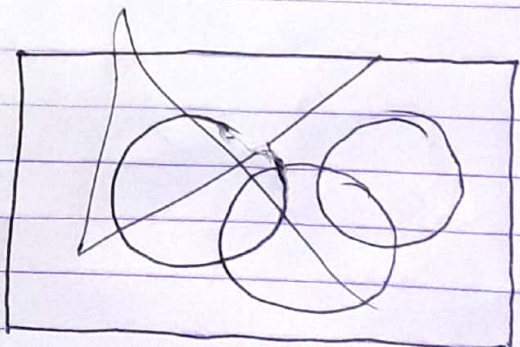
Ⓓ $(A \cup B) \cap C$



Ⓔ $B \cap (A \cup C)$

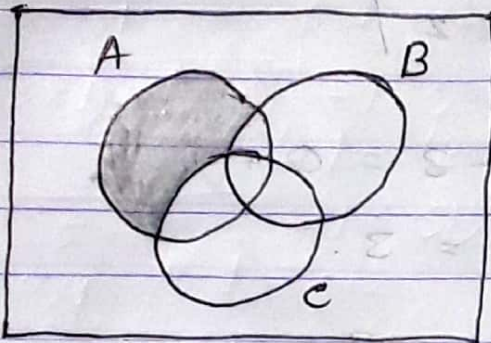


Ⓕ $A \cap B'$

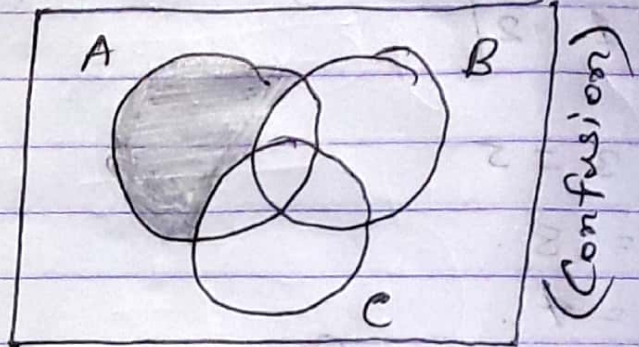


Ans: Nos 23

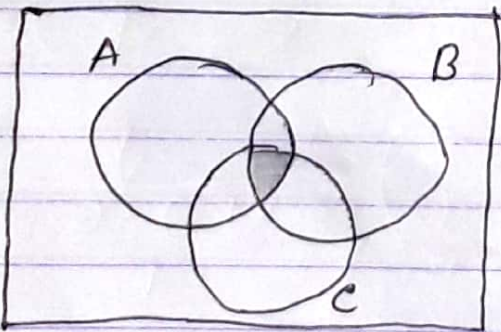
⑦ $A \cap B'$



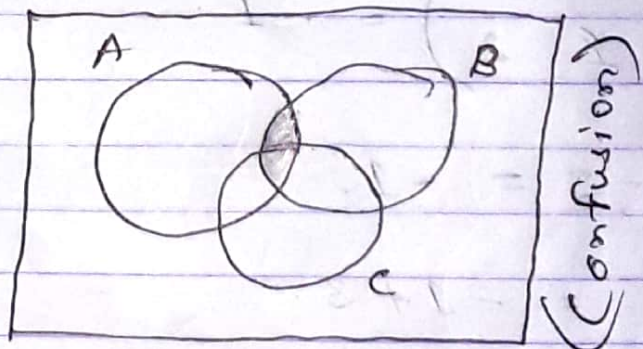
⑧ $A \cap (B \cup C)'$



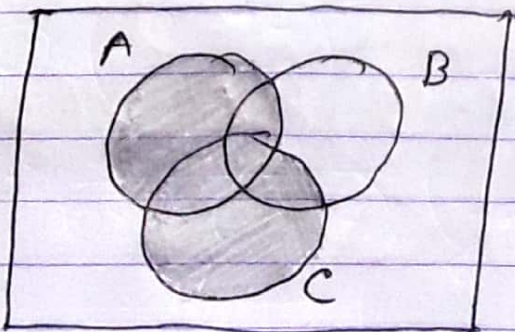
⑨ $(B \cup C) \cap A$



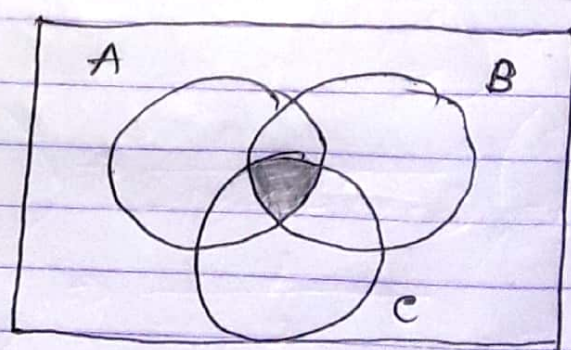
⑩ $C' \cap (A \cap B)$



⑪ $(A \cup C) \cup B'$



⑫ $(A \cup C) \cap (B \cap C)$

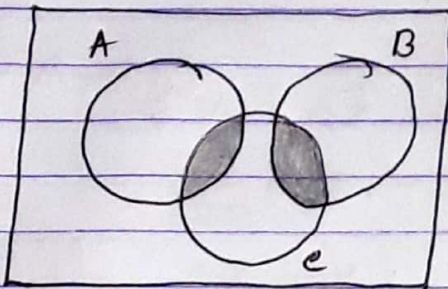


Venn Diagram

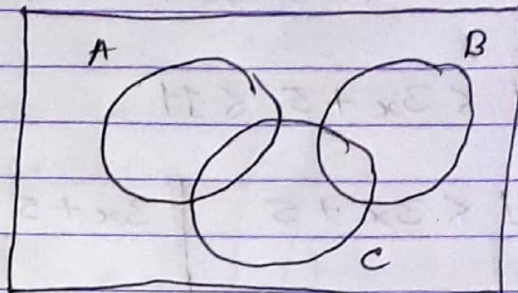
Exercise - 3

Ans: Nos: 5

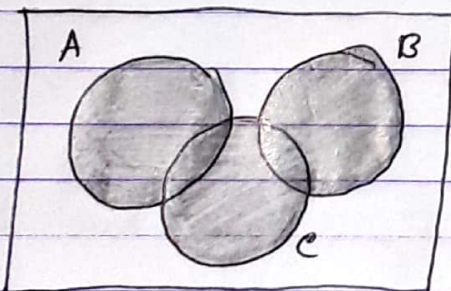
a) $(A \cup B) \cap C$



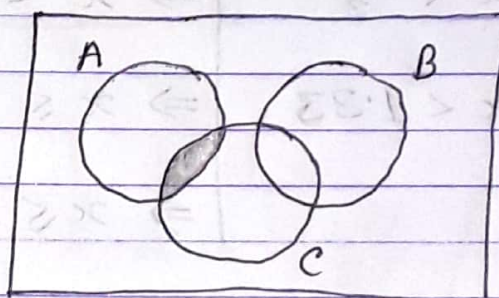
b) $(A \cap B) \cup C$



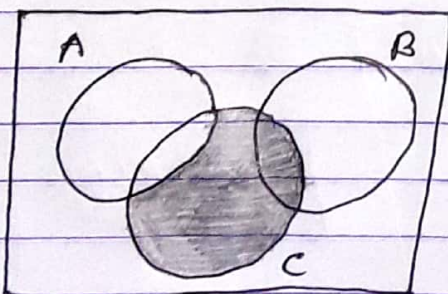
c) $(A \cup B) \cup C$



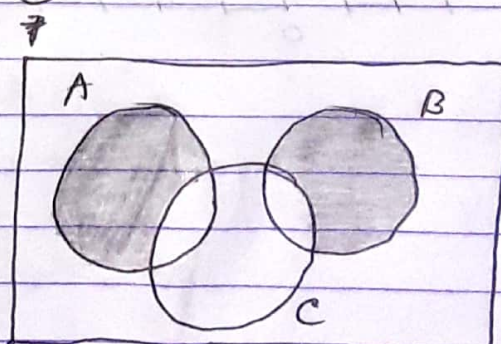
d) $A \cap (B \cup C)$



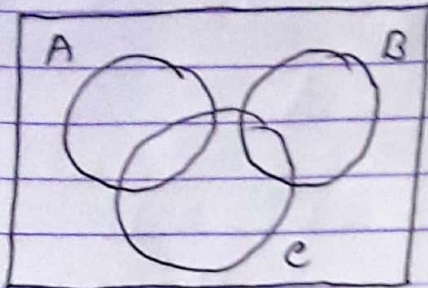
e) $A' \cap C$



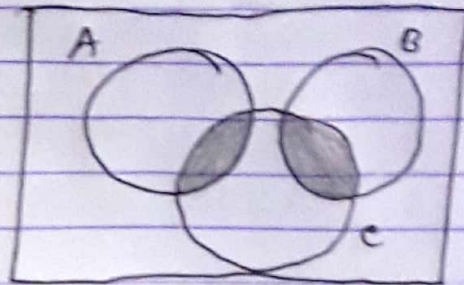
f)



g) $(A \cap B) \cap c$



h) $(A \cap c) \cup (B \cap c)$



i) $(A \cup B \cup c)'$

