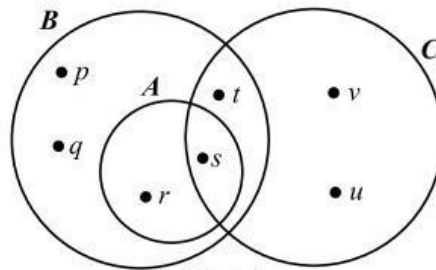




SOALAN OBJEKTIF

1. Rajah 3 menunjukkan set A , set B dan set C dan set semesta $\xi = \{p, q, r, s, t, u, v\}$.

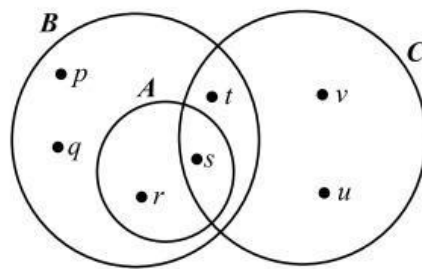


Rajah 3

Senaraikan semua unsur bagi $(A \cap B \cap C)'$.

Jawapan :

- A $\{p, q, r, s, t, u, v\}$
 - B $\{p, q, r, s, t, u\}$
 - C $\{p, q, r, t, u, v\}$
 - D $\{s\}$
2. Rajah 4 menunjukkan set A , set B , set C dan set semesta $\xi = A \cup B \cup C$.



Rajah 4

Nyatakan unsur bagi $(A \cup B)' \cap C$?

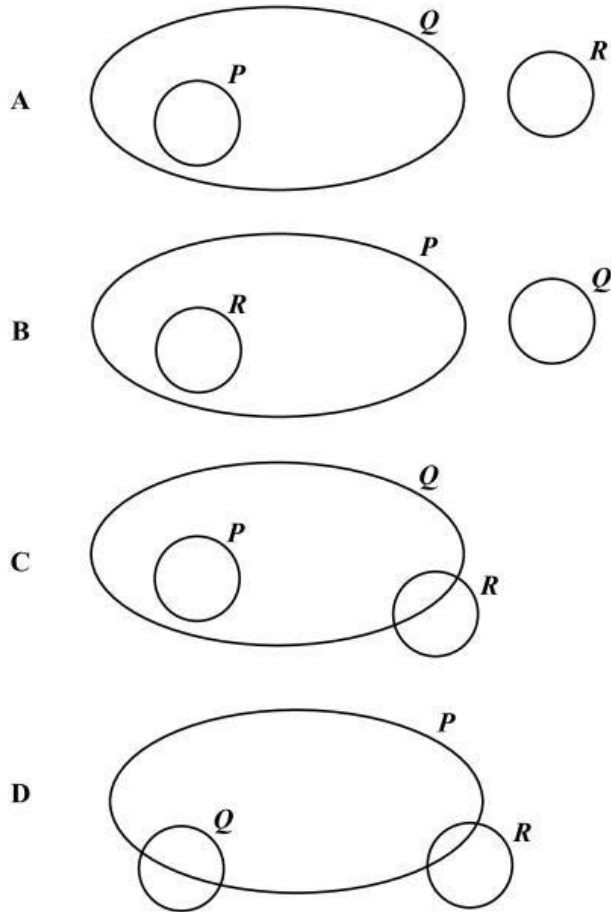
Jawapan :

- A $\{p, q, r, s, t, u, v\}$
- B $\{p, q, r\}$
- C $\{s, t\}$
- D $\{u, v\}$



3. Diberi bahawa $P \cap Q = P$ dan $Q \cap R \neq \emptyset$. Manakah antara gambar rajah Venn yang menunjukkan hubungan set P , set Q dan set R yang betul.

Jawapan :





4. Diberi set semesta, $\xi = P \cup Q \cup R$,

$$\text{set } P = \{1, 2, 3, 4\},$$

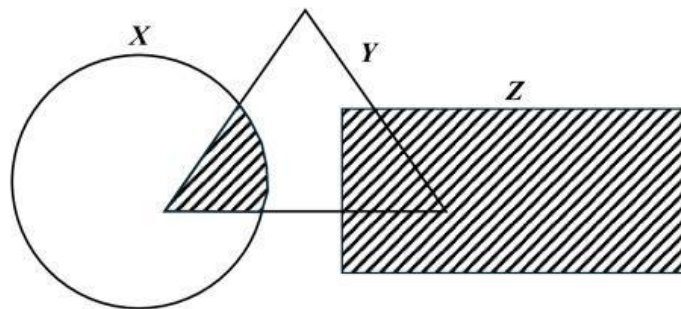
$$\text{set } Q = \{5, 6, 7, 8\}, \text{ dan}$$

$$\text{set } R = \{1, 2, 8, 9, 10\}.$$

Nyatakan unsur bagi $(P \cup Q) \cap R$.

Jawapan :

- A $\{1, 2, 3, 4, 5, 6, 7, 8\}$
B $\{3, 4, 5, 6, 7\}$
C $\{6, 7, 8, 9, 10\}$
D $\{1, 2, 8\}$
5. Rajah 5 menunjukkan hubungan set X , set Y dan set Z . Manakah antara operasi set yang berikut mewakili rantau yang berlorek dengan betul .



Rajah 5

Jawapan :

- A $(X \cap Y) \cup Z$
B $(X \cap Y)' \cup Z$
C $X \cap (Y \cup Z)$
D $(X \cup Y)' \cup Z$