

Penyelesaian Lengkap

PRAKTIS 4

Kertas 1

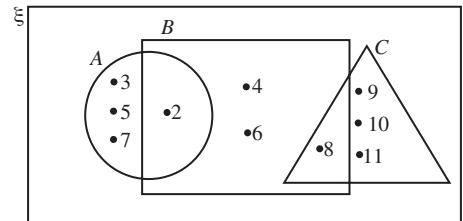
- $(A \cap B) = 2$
 $(A \cap B)' = \{1, 3, 4, 5, 6, 7, 8, 9, 10\}$
 Jawapan/Answer: **D**
- $P \cap Q = \{6, 12\}$
 Jawapan/Answer: **A**
- $A = \{E, U, A\}$
 $B = \{L, U, A, S\}$
 $(A \cap B) = \{A, U\}$
 $(A \cap B)' = \{S, E, L, R\}$
 $n(A \cap B)' = 4$
 Jawapan/Answer: **A**
- $L' = \{1, 2, 3, 4, 5, 6, 8, 9\}$
 $M \cap N = \{2, 3\}$
 $L' \cap M \cap N = \{2, 3\}$
 Jawapan/Answer: **A**
- $S \cap T = \{3, 9, 15\}$
 Bilangan subset/Number of subsets = $2^n = 2^3 = 8$
 Jawapan/Answer: **D**
- $P = \{1, 2, 3, 6\}$ dan/and $R = \{1, 3, 9\}$
 $P \cup R = \{1, 2, 3, 6, 9\}$
 $n(P \cup R) = 5$
 Jawapan/Answer: **C**
- $M = \{8, 10, 12, 14, 16\}$
 $N = \{8, 12, 16\}$
 $M \cup N = \{8, 10, 12, 14, 16\}$
 $(M \cup N)' = \{9, 11, 13, 15\}$
 Jawapan/Answer: **B**
- Jawapan/Answer: **C**
- $n(L \cap M) = 3$
 $n(L \cap M \cup N) = 3 + 8 + 11$
 $n(L \cap M \cup N)' = 4 + 6 + 7 = 17$
 Jawapan/Answer: **B**
- $M' \cap L \cup N = \{1, 2, 3, 4, 5, 8\}$
 Jawapan/Answer: **D**
- $R' = \{2, 3, 4, 6, 12, 15\}$
 $R' \cap Q = \{3, 12, 15\}$
 $R' \cap Q \cup P = \{2, 3, 4, 6, 7, 12, 15\}$
 Jawapan/Answer: **C**
- $(X' \cap Z) \cup (Y \cap Z')$
 Jawapan/Answer: **B**
- Jawapan/Answer: **C**
- $4 + 11 + 3 + 10 + 7 + 2x + x = 50$
 $35 + 3x = 50$
 $x = 5$
 Snapchat = $7 + 11 + 3 + 5 = 26$
 Jawapan/Answer: **D**

- $n(D') = 25$
 $n(E \cap D) = 2x + 4 + x = 25$
 $x = 7$
 $n(F) = x + 2x + 25$
 $= 7 + 2(7) + 25$
 $= 46$
 Jawapan/Answer: **C**

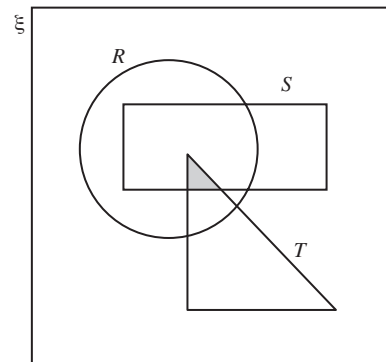
Kertas 2

Bahagian A

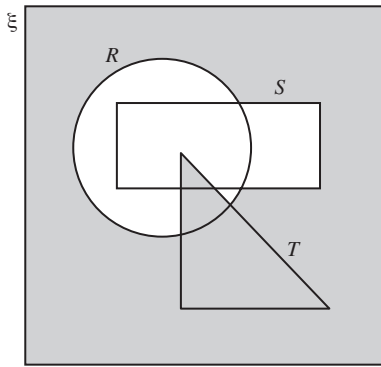
- $\{42\}$
 - $\{1, 5, 6, 10, 12, 18, 42\}$
 - $\{5, 6, 7, 10, 12, 14, 18, 42\}$
- $A = \{2, 3, 5, 7\}$
 $B = \{2, 4, 6, 8\}$
 $C = \{8, 9, 10, 11\}$



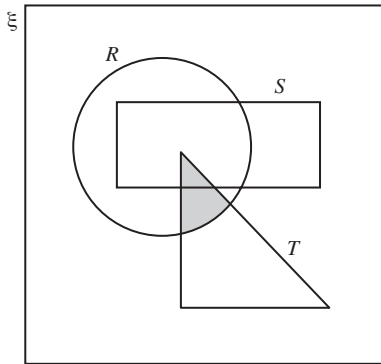
- $\{2\}$
 - $\{8\}$
 - $\{2, 3, 5, 7\}$
- (a)



(b)

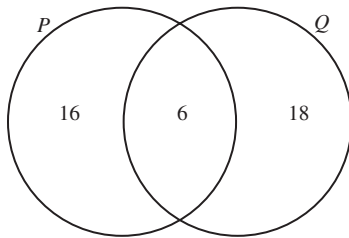


(c)



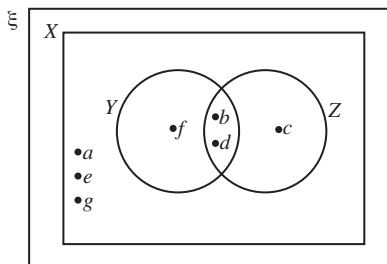
4 (a) $(26 - x) + (2x + 16) - 6 = 40$
 $x = 4$

(b)



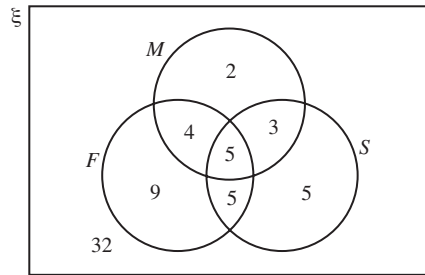
Bahagian B

- 5 (a) $Y \cap (X \cup Z)'$
 (b) (i)



- (ii) $\{b, c, d\}$
 (iii) $(Y \cup Z)' = \{a, e, g\}$
 $n(Y \cup Z)' = 3$

6

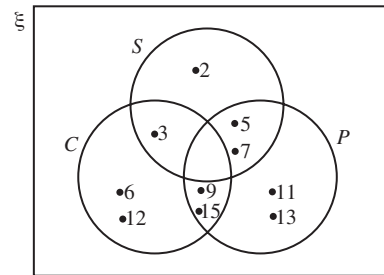


M – Misteri/Mystery,
F – Fiksyen/Fiction,
S – Seram/Horror

- (a) $18 - 5 - 5 - 3 = 5$
 (b) $5 + 4 = 9$
 (c) $23 - 9 - 5 = 9$
 (d) $14 - 5 - 4 - 3 = 2$
 (e) $65 - 2 - 4 - 3 - 5 - 9 - 5 - 5 = 32$

- 7 (a) $C = \{3, 6, 9, 12, 15\}$
 $P = \{5, 7, 9, 11, 13, 15\}$
 $S = \{2, 3, 5, 7\}$

(b)



- (c) (i) $\{3, 5, 7\}$
 (ii) $(P \cap S) = \{5, 7\}$
 $n(P \cap S) = 2$