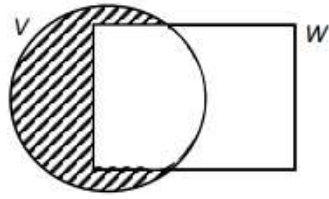


MELAKA

- (a) Rajah 2 ialah gambarajah Venn yang menunjukkan set V dan set W , dengan keadaan set semesta, $\xi = V \cup W$.

Diagram 2 is a Venn diagram showing set V and set W , such that the universal set, $\xi = V \cup W$.



Rajah 2 / Diagram 2

Nyatakan hubungan yang diwakili oleh rantau berlorek.

State the relationship represented by the shaded region.

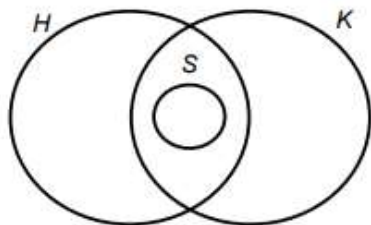
- (b) Gambarajah Venn di ruang jawapan menunjukkan set H , set K dan set S , dengan keadaan set semesta, $\xi = H \cup K \cup S$.

The Venn diagram in the answer space shows set H , set K and set S such that the universal set, $\xi = H \cup K \cup S$.

Jawapan / Answer:

(a)

(b)



SMKA/SABK

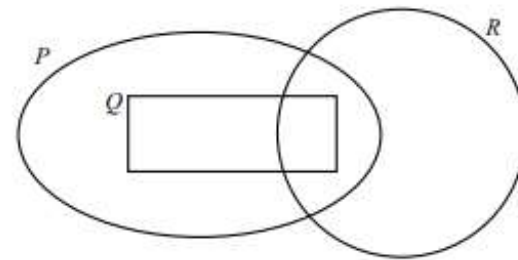
- (a) Rajah 5 menunjukkan set P , set Q dan set R dengan keadaan set semesta, $\xi = P \cup Q \cup R$.

Pada rajah di ruang jawapan, lorek set $P \cap (Q \cup R)'$.

Diagram 5 shows set P , set Q and set R such that the universal set, $\xi = P \cup Q \cup R$. On the diagram in the answer space, shade the set $P \cap (Q \cup R)'$.

[2 markah]

[2 marks]



Rajah 5
Diagram 5

- (b) Diberi bahawa $n(P) = 15$, $n(Q) = 5$, $n(R) = 12$, $n(P \cap R) = 6$, dan $n(P \cap Q \cap R) = 2$. Cari $n(\xi)$.

Given that $n(P) = 15$, $n(Q) = 5$, $n(R) = 12$, $n(P \cap R) = 6$, and $n(P \cap Q \cap R) = 2$.

Find $n(\xi)$.

[2 markah]

[2 marks]

- (c) Diberi bahawa set semesta, $\xi = \{x : 3 \leq x \leq 20, x \text{ ialah integer}\}$, set $K = \{x : x \text{ ialah nombor ganjil}\}$, set $L = \{x : x \text{ ialah nombor perdana}\}$, dan set $M = \{x : x \text{ ialah faktor bagi } 40\}$.

Given the universal set, $\xi = \{x : 3 \leq x \leq 20, x \text{ is an integer}\}$,
 set $K = \{x : x \text{ is an odd number}\}$, set $L = \{x : x \text{ is a prime number}\}$, and
 set $M = \{x : x \text{ is a factor of } 40\}$.

- (i) Senaraikan semua unsur bagi set K , set L dan set M .

List all elements of sets K , L and M .

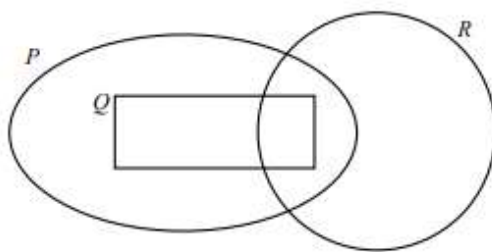
- (ii) Seterusnya, senaraikan unsur bagi $(K \cup M) \cap L'$.

Thus, list all element of $(K \cup M) \cap L'$.

Jawapan / Answer:

[5 markah]
[5 marks]

(a)



(b)

(c) (i)

(ii)

Diberi $K = \{\text{nombor kuasa dua sempurna yang kurang daripada } 10\}$.

Given that $K = \{\text{perfect square numbers less than } 10\}$.

- (a) Tulis semua subset yang mungkin bagi K .

Write all the subsets that are possible for K

- (b) Jika $L = \{1, 2, 3, \dots, 10\}$, lukis sebuah gambar rajah Venn untuk mewakili hubungan antara K dan L

If $L = \{1, 2, 3, \dots, 10\}$, draw a Venn diagram to represent the relationship between K and L

[3 markah / 3 marks]

Jawapan/Answer:

(a)

(b)

BENTONG, PAHANG

Diberi / Given

$$P = \{2, 6\}$$

$$Q = \{3, 4, 8, 9\}$$

$R = \{1, 2, 6, 8, 10\}$ dan set semesta / and universal set $\xi = P \cup Q \cup R$.

Lukis gambar rajah Venn antara set P , Q dan R dan seterusnya, senaraikan semua set $P \cup R$.

Draw a Venn diagram to show the relationship between sets P , Q and R and hence, list all the elements in set $P \cup R$.

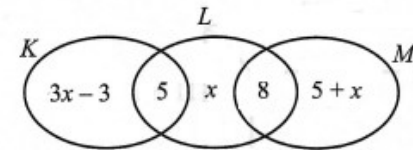
[4 markah / 4 marks]

Jawapan / Answer:

KEDAH

Rajah 1 menunjukkan set semesta, $\xi = K \cup L \cup M$.

Diagram 1 show a universal set, $\xi = K \cup L \cup M$.



Rajah / Diagram 1

Diberi, $n(K \cup L) = n(L \cup M)$. Hitung nilai x .

Given $n(K \cup L) = n(L \cup M)$. Calculate the value of x .

[3 markah / marks]

Jawapan / Answer :

N9

Gambar rajah venn di ruang jawapan menunjukkan set A , set B dan set C dengan keadaan Set semesta $\xi = A \cup B \cup C$. Pada rajah di ruang jawapan, lorekkan set

The Venn diagram in the answer space shows sets A , B and C such that the universal set $\xi = A \cup B \cup C$. On the diagram in the answer spaces, shade the set of

(a) $A \cup C$,

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

[3 markah]

[3 marks]

Jawapan / Answer :

(a)



Rajah 1.1
Diagram 1.1

(b)



SABAH

Rajah 6 di ruang jawapan menunjukkan gambar rajah Venn yang tidak lengkap. Bina set R dengan keadaan set R adalah subset kepada set S . dan seterusnya, lorek R' .

Diagram 6 in the answer space shows an incomplete Venn diagram. Construct set R such that set R is the subset of the set S and hence, shade R' .

[3 markah / marks]

Jawapan / Answer:



Rajah / Diagram 6

JOHOR SET 1

- (a) Gambar rajah Venn di ruangan jawapan menunjukkan set A dan B dengan keadaan set semesta, $\xi = A \cup B$.
 Pada rajah di ruangan jawapan, lorek set $A \cap B$
*The Venn diagram in the answer space shows sets A and B such that the universal set, $\xi = A \cup B$.
 On the diagram in the answer space, shade the set $A \cap B$*

- (b) Diberi bahawa set $P = \{\text{nombor kuasa dua sempurna}\}$ dan set $Q = \{9, 16, 25\}$.
 Lengkapkan gambarajah venn di ruang jawapan untuk menunjukkan hubungan antara set P dan set Q
*It is given that set $P = \{\text{perfect square numbers}\}$ and $Q = \{9, 16, 25\}$.
 Complete the Venn diagram in the answer space to show the relationship between set P and set Q.*

[3 markah / 3 marks]

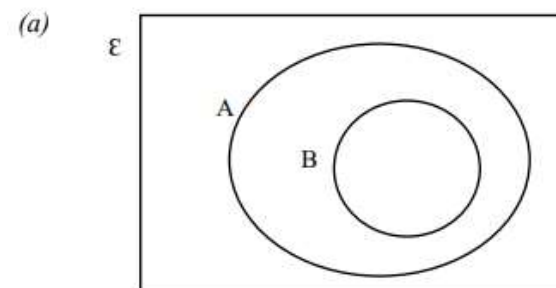
SBP

- Gambar rajah Venn di ruang jawapan menunjukkan set P, set Q dan set R.
 Diberi set semesta, $\xi = P \cup Q \cup R$.
*The Venn diagram in the answer space shows the set P, set Q and set R.
 Given that the universal set, $\xi = P \cup Q \cup R$.*
 Pada rajah di ruang jawapan, lorek set
On the diagrams in the answer space, shade the set

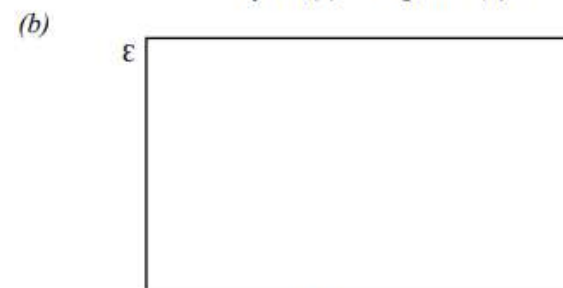
- (a) $Q' \cap R$,
 (b) $P \cup (Q \cap R)$.

[3 markah]
 [3 marks]

Jawapan / Answer:

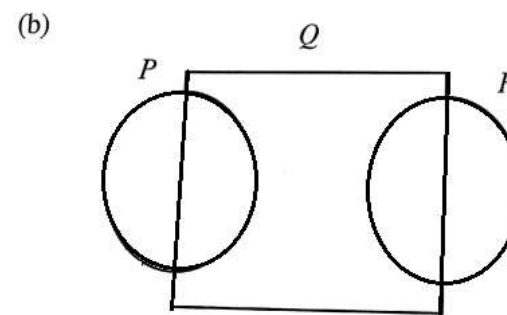
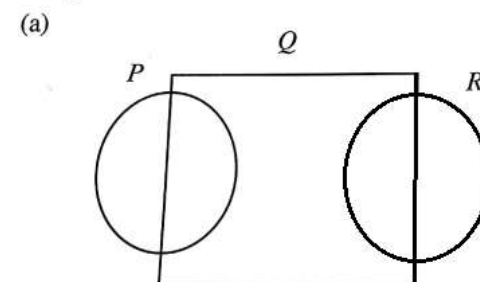


Rajah 1(a) / Diagram 1(a)



Rajah 1(b) / Diagram 1(b)

Jawapan / Answer:



JOHOR SET 2

Gambar rajah Venn di ruangan jawapan menunjukkan set A dan B dengan keadaan set semesta,

$$\xi = A \cup B.$$

The Venn diagram in the answer space shows sets A and B such that the universal set,

$$\xi = A \cup B.$$

(a) Pada rajah 1(a) di ruang jawapan, lorek set $(A' \cap B)$.

On the diagram 1(a) in the answer space, shade the set $(A' \cap B)$.

(b) Diberi bahawa $Q \subset P$, $(P \cup Q) \cap R = \{ \}$

$$\text{Given that } Q \subset P, (P \cup Q) \cap R = \{ \}$$

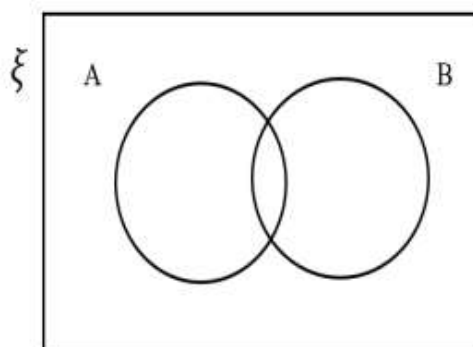
Berdasarkan maklumat di atas, lengkapkan gambar rajah 1(b).

Based on the information, complete the Venn diagram 1(b).

[3 markah/3 marks]

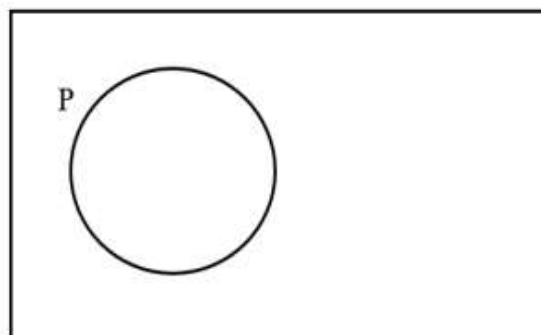
Jawapan/ Answer:

(a)



Rajah 1(a)/Diagram 1(a)

b)



Rajah 1(b)/Diagram 1(b)

KUANTAN, PAHANG

Gambar rajah Venn di ruang jawapan menunjukkan set A , set B dan set C dengan keadaan set semesta, $\xi = A \cup B \cup C$.

The Venn diagram in the answer space shows set A , set B and set C where the universal set, $\xi = A \cup B \cup C$.

Pada rajah di ruang jawapan, lorekkan set

On the diagram provided in the answer space, shade the set

(a) B'

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

[3 markah / marks]

TERENGGANU

(a) Rajah 1 di ruang jawapan menunjukkan gambar rajah Venn yang tidak lengkap. Bina set A dan set B dengan keadaan $A \cap B = \emptyset$.

Diagram 1 in the answer space shows an incomplete Venn Diagram.

Construct set A and set B such that $A \cap B = \emptyset$.

[1 markah / 1 mark]

(b) Gambar rajah Venn di ruang jawapan menunjukkan set P , set Q dan set R dengan keadaan set semesta, $\xi = P \cup Q \cup R$.

Pada rajah di ruang jawapan, lorek set $(P' \cap Q) \cup R$.

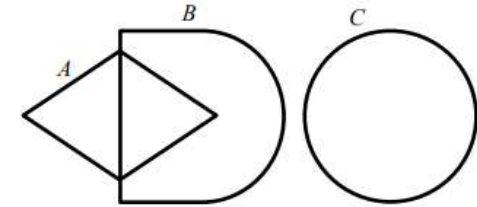
The Venn diagram in the answer space shows sets P , Q and R such that the universal set, $\xi = P \cup Q \cup R$.

On the diagram in the answer space, shade the set $(P' \cap Q) \cup R$.

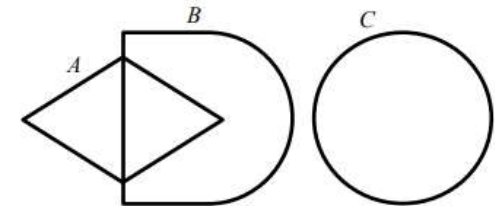
[2 markah / 2 marks]

Jawapan / Answer

(a)



(b)



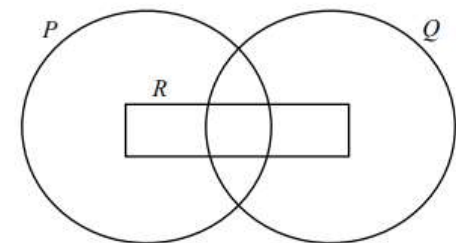
Jawapan / Answer :

(a)



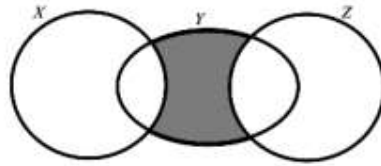
Rajah 1
Diagram 1

(b)



PERAK

- a) Rajah 1 ialah gambarajah Venn yang menunjukkan set X, set Y dan set Z dengan keadaan set semesta $\xi = X \cup Y \cup Z$



Rajah 1

Dengan menggunakan tanda set, nyatakan operasi set di antara set X, set Y dan set Z bagi rantau berlorek.

[1 markah]

- b) Gambar rajah Venn di ruang jawapan menunjukkan set P, set Q dan set R dengan keadaan set semesta, $\xi = P \cup Q \cup R$.

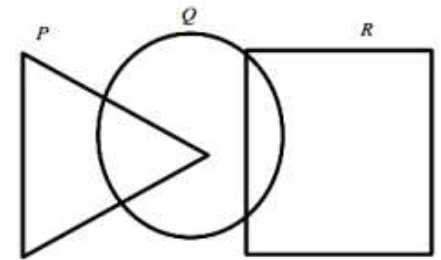
Pada rajah 2 di ruang jawapan, lorekkan set $(P \cap Q) \cup R$.

[2 markah]

Jawapan :

a)

b)

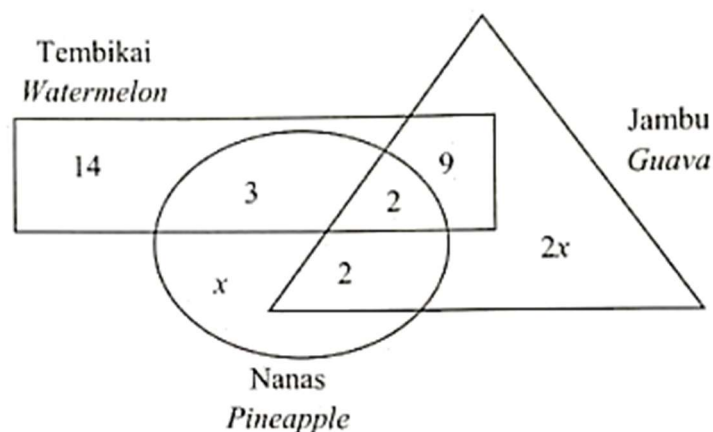


Rajah 2

SELANGOR 1

Gambar rajah Venn di bawah menunjukkan perwakilan bagi 42 murid Kelab Usahawan Tani di sebuah sekolah yang menggemari tiga jenis buah-buahan tempatan iaitu buah tembikai, buah jambu dan buah nanas.

The Venn diagram below shows a representation of 42 students of Usahawan Tani Club at a school who are fond of three types of local fruits, watermelon, guava and pineapple.



Jawapan / Answer :

(a) (i)

(ii)

- (a) Diberi bilangan murid yang menggemari buah jambu sahaja adalah dua kali ganda bilangan murid yang menggemari buah nanas sahaja.

Given the number of students who like guava only is twice the number of students who like pineapple only.

Hitung:

Calculate:

- (i) bilangan murid yang menggemari buah jambu.
the number of students who like guava.
- (ii) bilangan murid yang menggemari dua jenis buah tempatan.
the number of students who like two types of local fruit.

[5 markah]

[5 marks]

