

SET/SETS

1. KELANTAN

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

Set $P = \{x: x \text{ ialah huruf dalam perkataan "ENGLISH"}\}$

Set $Q = \{x: x \text{ ialah huruf dalam perkataan "MATHS"}\}$

Set $R = \{x: x \text{ ialah huruf dalam perkataan "SENI"}\}$

Given universe set, $\xi = P \cup Q \cup R$

Set $P = \{x: x \text{ is the letter in the word "ENGLISH"}\}$

Set $Q = \{x: x \text{ is the letter in the word "MATHS"}\}$

Set $R = \{x: x \text{ is the letter in the word "SENI"}\}$

(a) Nyatakan bilangan subset bagi set R

State the number of subsets of the set R

[1 markah/ mark]

(b) (i) Lukis gambar rajah Venn untuk menunjukkan hubungan antara set P, set Q dan set R.

Draw the Venn diagram to show the relationship between set P, set Q and set R.

[3 markah/ marks]

(ii) Seterusnya, senaraikan semua unsur bagi $(Q \cup R)'$.

Hence, list all the elements of $(Q \cup R)'$

[1 markah/ mark]

Jawapan / Answer:

(a)

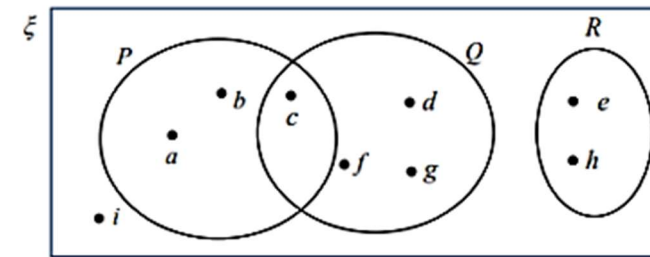
(b) (i)

(ii)

2. YIK

Rajah 1 menunjukkan sebuah gambar rajah Venn. Diberi $\xi = P \cup Q \cup R$.

Diagram 1 shows a Venn diagram. Given $\xi = P \cup Q \cup R$.



Rajah 1
Diagram 1

Nyatakan

State

(a) bilangan unsur set P,

the number of elements of set P,

(b) unsur pelengkap bagi set Q,

the elements for the complement of set Q,

(c) unsur bagi set $P \cup R$.

[4 markah]

[4 marks]

Jawapan / Answer :

(a) _____

(b) _____

(c) _____

3. PAHANG SET 1

Pertandingan permainan tradisional diadakan untuk tetamu yang terdiri daripada rakan-rakan anak Puan Lina seramai 38 orang. Seramai 13 orang bermain Batu Seremban (B), 22 orang bermain Congkak (C) manakala 5 orang tidak berminat kedua-dua permainan.

A traditional game competition was held for guests consisting of 38 of Puan Lina's children's friends. A total of 13 people play Batu Seremban, 22 people play Congkak while 5 people are not interested in any games.

- (i) Pada ruang jawapan, lukis sebuah gambar rajah Venn yang lengkap untuk mewakili maklumat yang diberikan di atas, dengan keadaan $\xi = B \cup C$.
In the answer space, draw a complete Venn diagram to represent the information given above, such that $\xi = B \cup C$.
- (ii) Seterusnya, cari bilangan yang bermain kedua-dua permainan itu.
Hence, find the number who like both games.

[4 markah/ marks]

Jawapan / Answer

(i)

(ii)

4. PAHANG SET 2

Diberi set semester, $\xi = \{x : 9 \leq x \leq 22, x \text{ ialah integer}\}$,

set $L = \{x : x \text{ ialah nombor genap kurang daripada } 20\}$,

set $M = \{x : x \text{ ialah nombor perdana}\}$,

set $N = \{x : x \text{ ialah nombor dengan keadaan hasil tambah digitnya adalah nombor genap}\}$.

It is given that the universal set, $\xi = \{x : 9 \leq x \leq 22, x \text{ is an integer}\}$,

set $L = \{x : x \text{ is an even number less than } 20\}$,

set $M = \{x : x \text{ is a prime number}\}$,

set $N = \{x : x \text{ is a number such that the sum of its digits is even number}\}$.

- (a) Senaraikan unsur bagi set M dan set N dengan menggunakan tatatanda set.
List the elements of sets M and N by using the set notation.

[2 markah/marks]

- (b) Seterusnya, lengkapkan gambar rajah Venn pada ruang jawapan untuk menunjukkan hubungan antara set L , set M dan set N .
Hence, complete the Venn diagram in the answer space to show the relation between set L , set M and set N .

[3 markah / marks]

Jawapan / Answer :

(a)

(b)

ξ

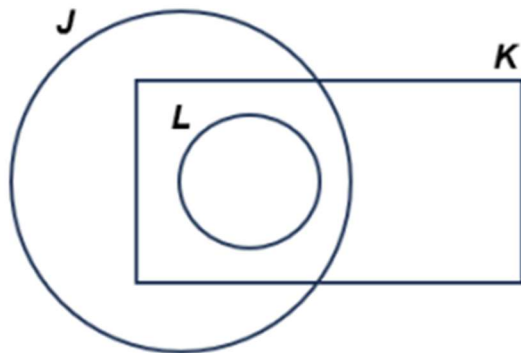
5. MELAKA

- (a) Diberi set $P = \{1, 2, 4, 5\}$ dan set $R = \{5, 6, 7\}$. Senaraikan unsur bagi set $(P \cap R)'$.
Given set $P = \{1, 2, 4, 5\}$ and set $R = \{5, 6, 7\}$. List the elements of set $(P \cap R)'$.
[1 markah / mark]
- (b) Gambar rajah Venn di ruang jawapan menunjukkan set J , set K dan set L dengan keadaan set semesta, $\xi = J \cup K \cup L$. Lorek set $K' \cap (J \cup L)$ pada rajah tersebut.
The Venn diagram in the answer space shows set J , set K and set L where the universal set, $\xi = J \cup K \cup L$. Shade set $K' \cap (J \cup L)$ on the diagram.
[2 markah / marks]

Jawapan / Answer :

(a)

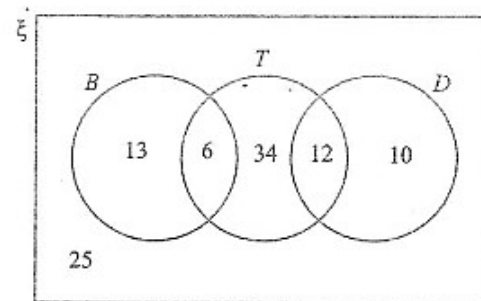
(b)



6. SABK

Sebuah syarikat hartanah sedang menjalankan tinjauan terhadap penduduk di sebuah pekan kecil di Sungai Petani, Kedah sebagai persediaan untuk projek hartanah seterusnya.
A real estate company is conducting a survey of residents in a small town in Sungai Petani, Kedah in preparation for its next real estate project.

- (a) Gambar rajah Venn dalam Rajah 11.1 menunjukkan dapatan tinjauan tersebut. Diberi bahawa set $B = \{\text{penduduk yang memiliki rumah banglo}\}$, set $D = \{\text{penduduk yang memiliki rumah berkembar}\}$ dan set $T = \{\text{penduduk yang memiliki rumah teres}\}$.
The Venn diagram in Diagram 11.1 shows the findings of the survey. Given that set $B = \{\text{residents who own bungalow houses}\}$, set $D = \{\text{residents who own semi-detached houses}\}$ and set $T = \{\text{residents who own terraced houses}\}$.



Rajah 11.1

Diagram 11.1

- (i) Apakah tafsiran bagi nilai 25 di dalam gambar rajah Venn tersebut?
What is the interpretation of the value 25 in the Venn diagram?
- (ii) Tentukan bilangan penduduk yang memiliki sejenis rumah sahaja.
Determine the number of residents who own only one type of house.

Jawapan / Answer :

[3 markah]

[3 marks]

(i)

(ii)

7. N9

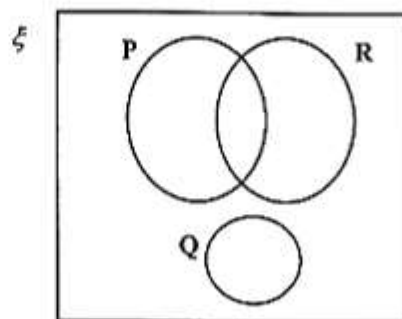
(a) Lorekkan rantau yang mewakili gabungan yang berikut

Shade the region that represents the following combinations

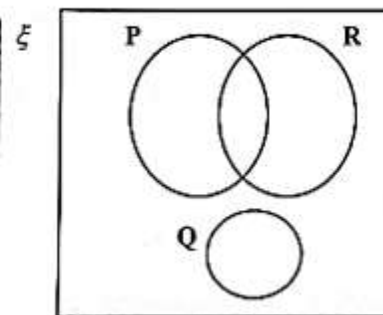
Jawapan / Answer :

[4 markah]
[4 marks]

i. $(P \cup Q) \cap R$

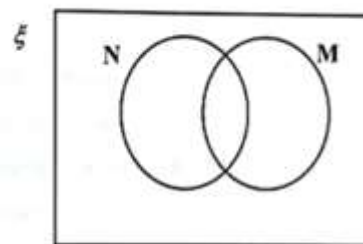


ii. $P' \cap (Q \cup R)$



(b) Dalam gambar rajah Venn di bawah, set ξ mewakili jumlah murid kelas 5 Anggerik yang menggemari nasi lemak dan mee goreng sebagai menu utama sarapan pagi di kantin sekolah. $N = \{\text{murid yang suka nasi lemak}\}$ dan $M = \{\text{murid yang suka mee goreng}\}$. Bilangan murid kelas 5 Anggerik adalah seramai 43 orang. Jika $n(N) = 22$, $n(M) = 18$ dan bilangan murid yang menggemari nasi lemak sahaja adalah 3 kali ganda daripada bilangan murid yang menggemari mee goreng sahaja. Cari bilangan murid yang

- (i) like nasi lemak and fried noodles
(ii) does not like nasi lemak or fried noodles.



- (i) menggemari nasi lemak dan mee goreng
(ii) tidak menggemari nasi lemak atau mee goreng.

Jawapan / Answer :

In the Venn diagram below, the ξ set represents the number of students in class 5 Anggerik who like nasi lemak and fried noodles as the main breakfast menu in the school cafeteria. $N = \{\text{student who likes nasi lemak}\}$ and $M = \{\text{student who likes fried noodles}\}$. The number of students in class 5 Anggerik is 43 people. If $n(N) = 22$, $n(M) = 18$ and the number of students who like nasi lemak only is 3 times the number of students who like fried noodles only. Find the number of students

[5 markah]
[5 marks]

- (b) (i)
(ii)

8. SELANGOR SET 1

Jadual 2 menunjukkan data yang diperolehi daripada satu tinjauan ke atas 100 orang responden terhadap jenis buku yang diminati.

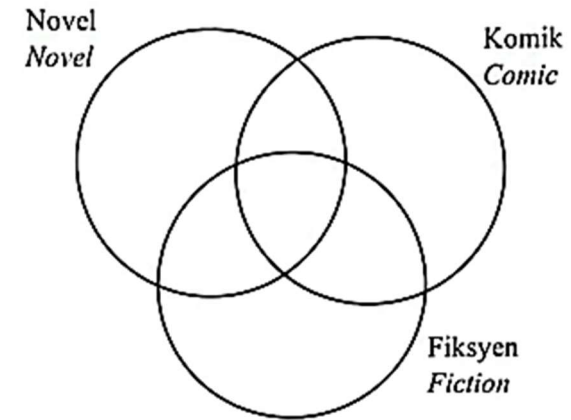
Table 2 shows data obtained from a survey of 100 respondents on the type of book they are interested in.

Jenis buku <i>Type of book</i>	Bilangan responden <i>Number of respondents</i>
Novel <i>Novel</i>	55
Komik <i>Comic</i>	61
Novel dan komik sahaja <i>Novel and comic only</i>	12
Novel dan fiksi sahaja <i>Novel and fiction only</i>	5
Novel sahaja <i>Novel only</i>	25
Komik sahaja <i>Comic only</i>	28

Jadual 2
Table 2

Jawapan / Answer :

(a)



(b) (i)

(a) Lengkapkan gambar rajah Venn pada halaman 11.

[2 markah]

Complete the Venn diagram on page 11.

[2 marks]

(b) Seterusnya, hitung

(ii)

Hence, calculate

(i) bilangan responden yang menggemari buku jenis komik atau fiksi tetapi tidak menggemari novel,

[1 markah]

the number of respondents who like comic or fiction but do not like novels,

[1 mark]

(ii) bilangan responden yang menggemari dua jenis buku sahaja.

[1 markah]

number of respondents who like only two types of books.

[1 mark]

9. SELANGOR SET 2

Jadual 3 menunjukkan data yang diperolehi daripada satu tinjauan ke atas 50 orang murid terhadap jenis muzik yang digemari.

Table 3 shows data obtained from a survey of 50 pupils on the type of music they like.

Jenis muzik <i>Type of music</i>	Bilangan murid <i>Number of pupils</i>
Rock <i>Rock</i>	24
Balada <i>Ballad</i>	32
Hip hop <i>Hip hop</i>	28
Rock dan balada <i>Rock and ballad</i>	18
Balada dan hip hop <i>Ballad and hip hop</i>	20
Rock, balada dan hip hop <i>Rock, ballad and hip hop</i>	14

Jadual 3
Table 3

- (a) Diberi bilangan murid yang menggemari balada sahaja adalah dua kali bilangan murid yang menggemari hip hop sahaja. Lengkapkan gambar rajah Venn pada ruang jawapan.

[2 markah]

Given the number of pupils who like ballads only is twice the number of pupils who like hip hop only. Complete the Venn diagram in the answer space.

[2 marks]

- (b) Seterusnya,
Hence,

- (i) hitung bilangan murid yang menggemari muzik rock atau hip hop tetapi bukan balada,

[1 markah]

calculate the number of pupils who like rock or hip hop music but not ballad,

[1 mark]

- (ii) murid yang tidak menggemari mana-mana muzik.

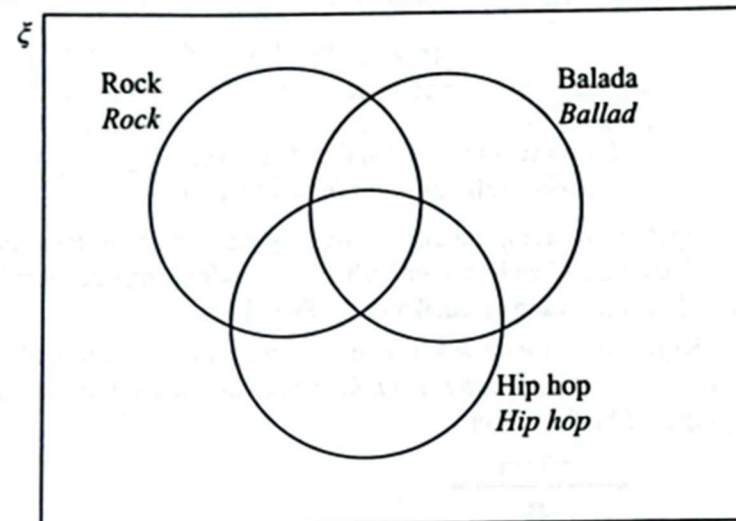
[1 markah]

pupils who do not like any music.

[1 mark]

Jawapan / Answer :

(a)



(b) (i)

(ii)

10. SELANGOR SET 3

Jadual 2 menunjukkan data yang diperolehi daripada satu tinjauan ke atas 100 orang responden terhadap jenis buku yang diminati.

Table 2 shows data obtained from a survey of 100 respondents on the type of book they are interested in.

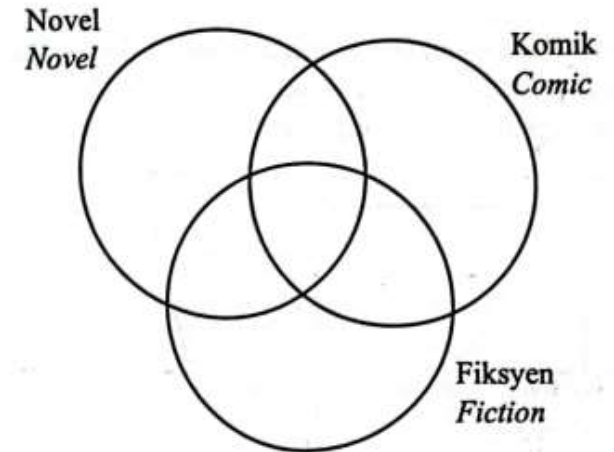
Jenis buku <i>Type of book</i>	Bilangan responden <i>Number of respondents</i>
Novel <i>Novel</i>	54
Komik <i>Comic</i>	60
Novel dan komik sahaja <i>Novel and comic only</i>	13
Novel dan fiksi sahaja <i>Novel and fiction only</i>	6
Novel sahaja <i>Novel only</i>	25
Komik sahaja <i>Comic only</i>	29

Jadual 2
Table 2

- (a) Lengkapkan gambar rajah Venn pada halaman 13. [2 markah]
Complete the Venn diagram on page 13. [2 marks]
- (b) Seterusnya, hitung
Hence, calculate
- (i) bilangan responden yang menggemari buku jenis komik atau fiksi tetapi tidak menggemari novel, [1 markah]
the number of respondents who like comic or fiction but do not like novels, [1 mark]
- (ii) bilangan responden yang menggemari dua jenis buku sahaja. [1 markah]
number of respondents who like only two types of books. [1 mark]

Jawapan / Answer :

(a)



(b) (i)

(ii)

11. MUAR JOHOR

Satu tinjauan telah dilakukan terhadap 50 orang murid tentang sukan kegemaran mereka. Terdapat tiga sukan yang disenaraikan iaitu badminton (*B*), bola sepak (*S*) dan hoki (*H*). Jadual 5 menunjukkan keputusan tinjauan tersebut.

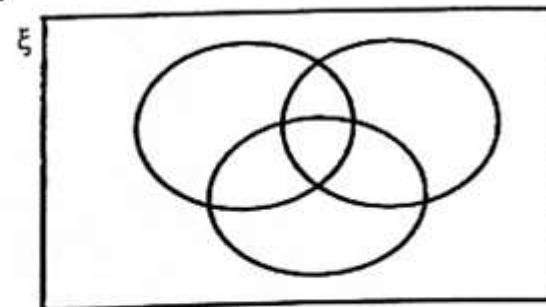
A survey was conducted on 50 pupils about their favourite sports. There are three sports listed which are the badminton (B), football (S) and hockey (H). Table 5 shows the result of the survey.

Sukan kegemaran <i>Favourite sports</i>	Bilangan Murid <i>Number of students</i>
Badminton <i>Badminton</i>	21
Bola Sepak <i>Football</i>	21
Hoki <i>Hockey</i>	27
Badminton dan bola sepak <i>Badminton and football</i>	6
Bola sepak dan hoki <i>Football and hockey</i>	9
Bola sepak sahaja <i>Football only</i>	8
Badminton sahaja <i>Badminton only</i>	9
Badminton, bola sepak dan hoki <i>Badminton, football and hockey</i>	2

Jadual 5 / Table 5

Jawapan/ Answer:

(a)



(b)(i)

(ii)

(a) Lengkapkan gambar rajah Vern pada ruang jawapan berdasarkan maklumat yang diberikan.

Complete the Venn diagram in the answer space based on the given information.

[3 markah/ marks]

(b) Nyatakan/ State

(i) bilangan murid yang menyukai hoki sahaja,
the number of pupils who like hockey only.

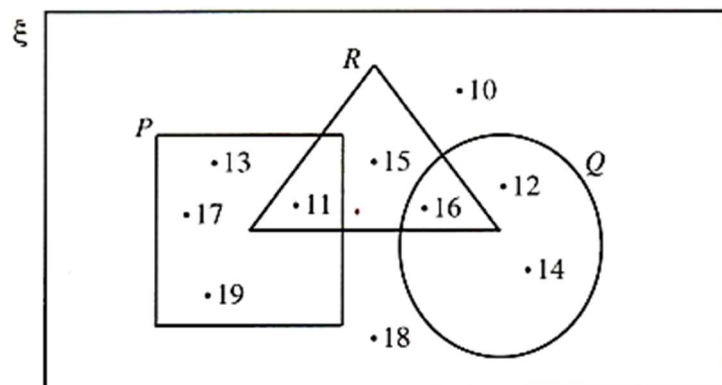
(ii) bilangan murid yang menyukai badminton dan hoki.
the number of pupils who like badminton and hockey.

[2 markah/ marks]

12. SPMU

Rajah 1 menunjukkan set semesta, $\xi = \{x: 9 < x < 20; x \text{ ialah integer}\}$

Diagram 1 shows the universal set, $\xi = \{x: 9 < x < 20; x \text{ is an integer}\}$



Rajah 1
Diagram 1

(a) Senaraikan unsur bagi setiap set berikut dengan menggunakan tatatanda set.

List the elements of each of the following sets by using the set notation.

(i) P' [2 markah]

[2 marks]

(ii) $Q \cap R$

(b) Nyatakan $n(P \cup Q)$ ' [1 markah]

State $n(P \cup Q)$ ' [1 mark]

Jawapan / Answer:

(a) (i)

(ii)

(b)

13. PPT YIK

(a) 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 itu, lorekkan $P \cup Q$

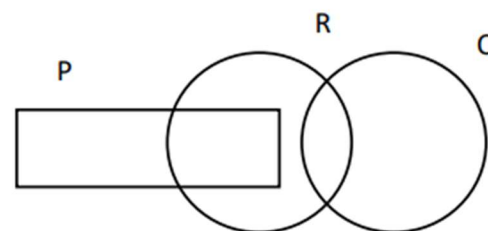
The Venn diagram in the answer space shows set P, set Q and Set R, such that the universal set, $\xi = P \cup Q \cup R$.

On the diagram, shade $P \cup Q$

[1 markah/ marks]

Jawapan / Answer:

(a)



(b) Diberi bahawa $X \cap Y = \emptyset$ dan $Z \subset Y$.

Lukis satu gambar rajah Venn di ruang jawapan untuk menunjukkan hubungan di antara set X, set Y dan set Z.

Given that $X \cap Y = \emptyset$ dan $Z \subset Y$.

Draw a Venn Diagram in the answer space showing the relationship between set X, set Y and set Z.

[2 markah/ marks]

Jawapan / Answer :



14. PPT YIK

Diberi bahawa set semesta, $\xi = \{x : x \text{ ialah integer, } 1 \leq x \leq 20\}$ dan $\xi = P \cup Q \cup R$.

Set $P = \{x : x \text{ ialah nombor kuasa dua sempurna}\}$

Set $R = \{x : x \text{ ialah nombor yang boleh dibahagi tepat dengan 5}\}$

Set $Q = \{x : x \text{ ialah faktor bagi 15}\}$

Given that the universal set, $\xi = \{x : x \text{ is an integer, } 1 \leq x \leq 20\}$ and $\xi = P \cup Q \cup R$.

Set $P = \{x : x \text{ is a perfect square}\}$

Set $R = \{x : x \text{ is a number that is exactly divisible by 5}\}$

Set $Q : \{x : x \text{ is a factor of 15}\}$

(a) Senaraikan unsur bagi P, Q dan R dengan menggunakan tatatanda set.

List the elements of P, Q and R by using the set notation.

[3 Markah/ marks]

(b) Lengkapkan gambar rajah Venn pada ruang jawapan untuk menunjukkan hubungan antara ketiga-tiga set P, set Q dan set R.

Complete the Venn diagram in the answer space to show the relationship between the three set P, set Q and set R.

[3 Markah/ marks]

(c) Seterusnya, cari set $(P \cup Q) \cap R'$ dan $n(P \cup Q) \cap R'$.

Next, find set $(P \cup Q) \cap R'$ and $n(P \cup Q) \cap R'$.

[2 Markah/ marks]

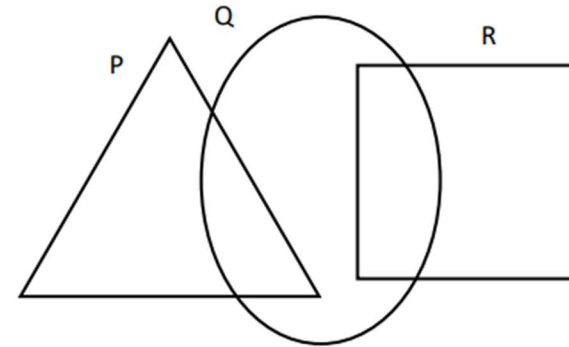
Jawapan / Answer:

(a) Set P : _____

Set Q : _____

Set R : _____

(b)

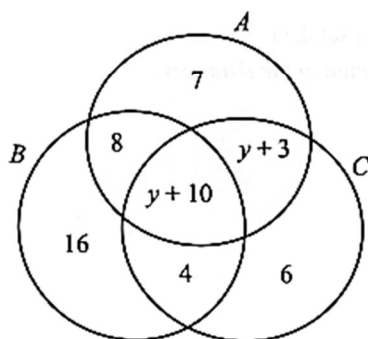


(c)

15. TERENGGANU MPP2

Rajah 3 menunjukkan gambar rajah Venn dengan set semesta, $\xi = A \cup B \cup C$ dan $n(A') = n(B')$.

Diagram 3 shows the Venn diagram of universal set, $\xi = A \cup B \cup C$ and $n(A') = n(B')$.



Rajah 3
Diagram 3

Cari
Find

- (a) nilai y
value of y
- (b) $n(A \cup B \cup C)$

[4 markah]
[4 marks]

Jawapan / Answer :

(a)

(b)

16. PPT KEDAH

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

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

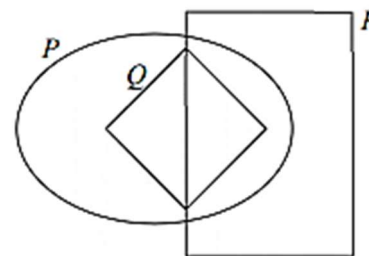
On the diagram in the answer space, shade the set

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

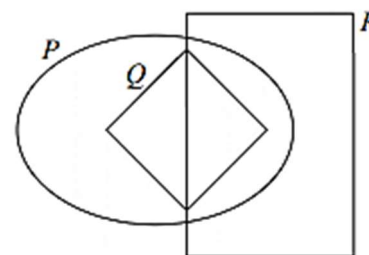
[4 markah / marks]

Jawapan / Answer :

(a)



(b)



17. PPT KELANTAN

Jadual 1 menunjukkan pertandingan STEM di MINES International Exhibition and Convention Centre (MIECC) yang disertai oleh 40 orang murid.

Table 1 shows the STEM's competitions in MINES International Exhibition and Convention Centre (MIECC) joined by 40 students.

Pertandingan Competition	Bilangan Number of students
Inovasi STEM (I) STEM Innovation(I)	17
Cabaran STEM online (C) STEM Online Challenge (C)	23
Cerita STEM (S) Mystorytelling STEM (S)	19
Inovasi STEM, Cabaran STEM online dan Cerita STEM STEM Innovation, STEM Online Challenge and Mystorytelling STEM	5
Inovasi STEM dan Cabaran STEM online STEM Innovation and STEM Online	9
Cabaran STEM online dan Cerita STEM STEM Online Challenge and Mystorytelling STEM	10

(a) Lengkapkan gambarajah rajah Venn pada ruangan jawapan.
Complete the Venn diagram in the answer space.

[3 markah / marks]

(b) Seterusnya, cari
Hence, find

(i) bilangan murid yang menyertai pertandingan Cabaran STEM online sahaja.
the number of students who joined STEM Online Challenge competition only.

[1 markah / mark]

(ii) bilangan murid yang menyertai pertandingan Inovasi Stem dan Cerita STEM.
the number of students who joined STEM Innovation and Mystorytelling STEM.

[1 markah / mark]

(iii) bilangan murid yang tidak menyertai pertandingan.
the number of students who did not joined the competitions.

[1 markah / mark]

(c) (i) Lorekkan set $(I \cap C)'$ pada gambar rajah Venn di ruang jawapan 11(a)

Shade the set $(I \cap C)'$ on the Venn diagram in answer space 11(a)

(ii) Hitung $n((I \cap C)' \cap S)$

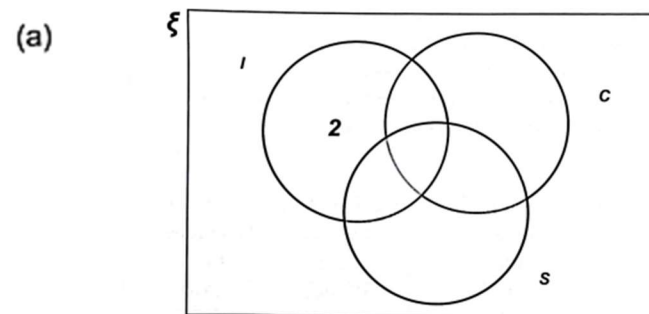
Calculate $n((I \cap C)' \cap S)$

(iii) Seterusnya, wakilkan kawasan yang mengandungi bilangan murid yang menyertai Pertandingan Cerita STEM sahaja dengan menggunakan simbol 'U' atau simbol ' \cap '.

Next, represent the Area containing the number of students participating in the STEM Only story competition by using the symbol 'U' or the symbol ' \cap '.

Jawapan/ Answer :

[3 markah / marks]



Rajah 11 (a) / Diagram 11(a)

(b) (i)

(ii)

(iii)

(c) (i) Lorekkan jawapan anda pada rajah di 11(a)

Shade your answer on the diagram in 11(a)

(ii)

18. PPT PAHANG

Jadual 4 menunjukkan data yang diperolehi daripada satu kajian ke atas 80 pelanggan sebuah kedai kasut untuk menentukan jenis jenama kasut yang dibeli.

Table 4 shows the data obtained from a survey of 80 customers at a shoe shop to determine the brands of shoes purchased.

Jenama kasut Shoe brand	Bilangan pelanggan Number of customers
Jenama J Brand J	48
Jenama K Brand K	32
Jenama L Brand L	x
Jenama J dan L sahaja Brand J and L only	15
Jenama J dan K sahaja Brand J and K only	9
Jenama J sahaja Brand J only	18
Jenama K sahaja Brand K only	11

Jadual 4
Table 4

- (a) i) Rajah 6 pada ruang jawapan menunjukkan gambar rajah Venn yang tidak lengkap. Diberi bahawa,

Set $J = \{\text{pelanggan yang membeli kasut jenama J}\}$,

Set $K = \{\text{pelanggan yang membeli kasut jenama K}\}$ dan

Set $L = \{\text{pelanggan yang membeli kasut jenama L}\}$.

Diagram 6 in the answer space shows an incomplete Venn diagram.

It is given that,

Set $J = \{\text{customer who buy brand J shoe}\}$,

Set $K = \{\text{customer who buy brand K shoe}\}$ and

Set $L = \{\text{customer who buy brand L shoe}\}$

Menggunakan maklumat dalam Jadual 4, lengkapkan gambar rajah Venn tersebut.

Using the information in Table 4, complete the Venn diagram.

[2 markah /marks]

- ii) Hitung bilangan pelanggan yang membeli jenama J dan K

Calculate the number of customers who bought J and K brand shoes.

[1 markah /marks]

- iii) Hitung bilangan pelanggan yang membeli kasut berjenama K dan L atau J dan L

Calculate the number of customers who bought K and L or J and L brand shoes.

[2 markah /marks]

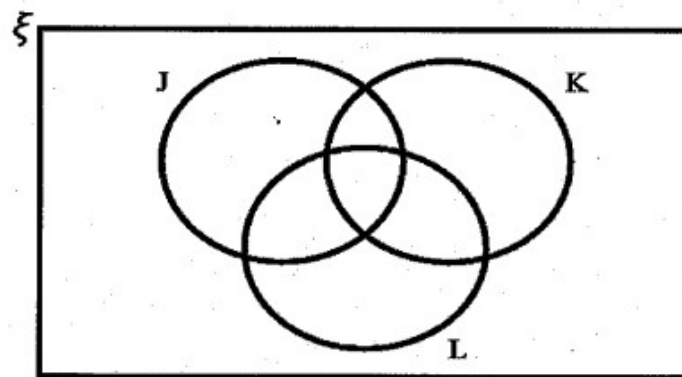
- iv) Hitung bilangan pelanggan yang membeli kasut berjenama J sahaja atau jenama K sahaja atau jenama L sahaja.

Calculate the number of customers who bought J brand shoes only or K brand shoes only or L brand shoes only.

[2 markah /marks]

Jawapan / Answer :

- (a) i)



Rajah 6
Diagram 6

- ii)

- iii)

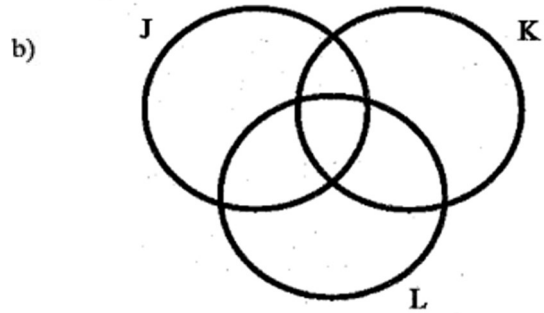
- iv)

Diberi $\xi = J \cup K \cup L$, lorekkan kawasan $J' \cap K' \cup L$ pada Rajah 7 di ruang jawapan.

Given that $\xi = J \cup K \cup L$, shade the area of $J' \cap K' \cup L$ in Diagram 7 at answer space.

[2 markah /marks]

Jawapan / Answer :



Rajah 7
Diagram 7

SKEMA JAWAPAN :

1. KELANTAN

(a)	16	1
(b)(i)		3
(ii)	{G,L}	1

2. YIK

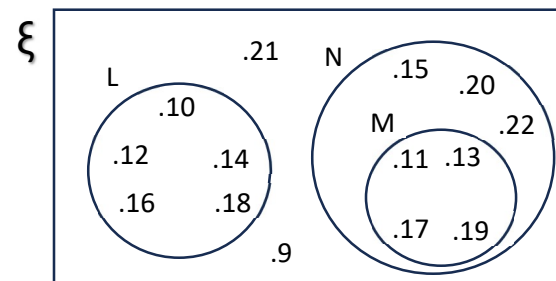
(a)	$N(P) = 3$	K1	
(b)	Set $Q' = \{a, b, e, h, i\}$	K1	
(c)	Set $P \cup R = \{a, b, c, e, h\}$	K1	
			3

3. PAHANG SET 1

(i)		2
(ii)	$38 = (13 - x) + x + (22 - x)$	1
	2	1

4. PAHANG

(a)	set $M = \{11, 13, 17, 19\}$ set $N = \{11, 13, 15, 17, 19, 20, 22\}$	1
		1



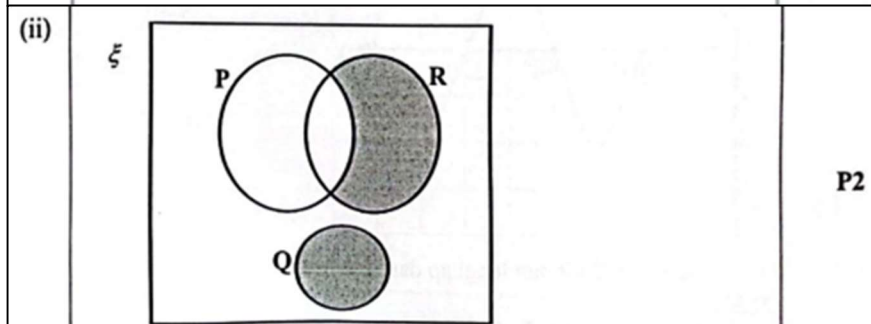
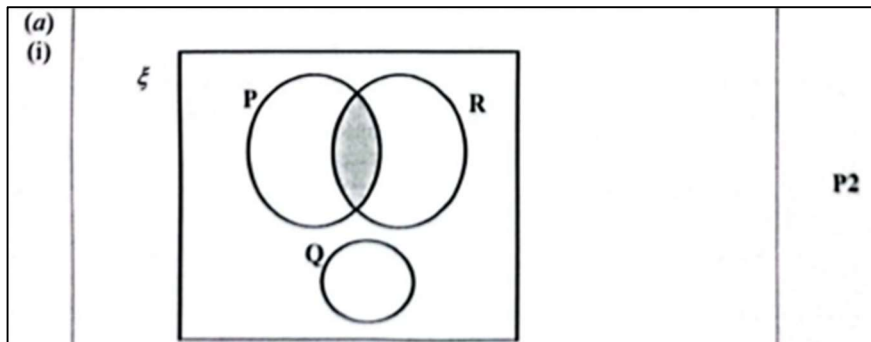
5. MELAKA

(a)	{1, 2, 4, 6, 7}	1
(b)		2
	<p><u>Nota:</u> ($J \cup L$) dilihat, beri 1 markah</p>	3

6. SABK

(i)	Tidak memiliki rumah <u>atau</u> setara	1m
(ii)	$13 + 34 + 10$	1m
	57	1m
	<p><u>Nota:</u> Terima jawapan betul tanpa kerja untuk 2m.</p>	

7. N9

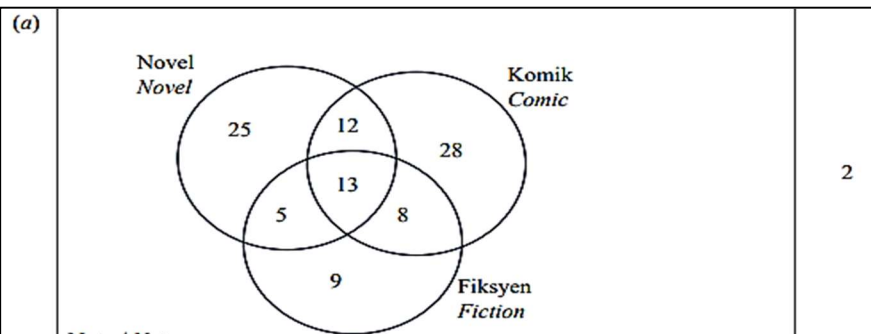


(b)(i) Andaikan bilangan murid yang suka mee goreng sahaja adalah x , oleh itu bilangan murid yang suka nasi lemak sahaja adalah $3x$
 $3x + y = 22$ ATAU $x + y = 18$
 $x = 2$ dan $y = 16$
 Suka nasi lemak dan mee goreng = 16

(ii) 43 – 24
 19

P1
K1
N1
K1
N1

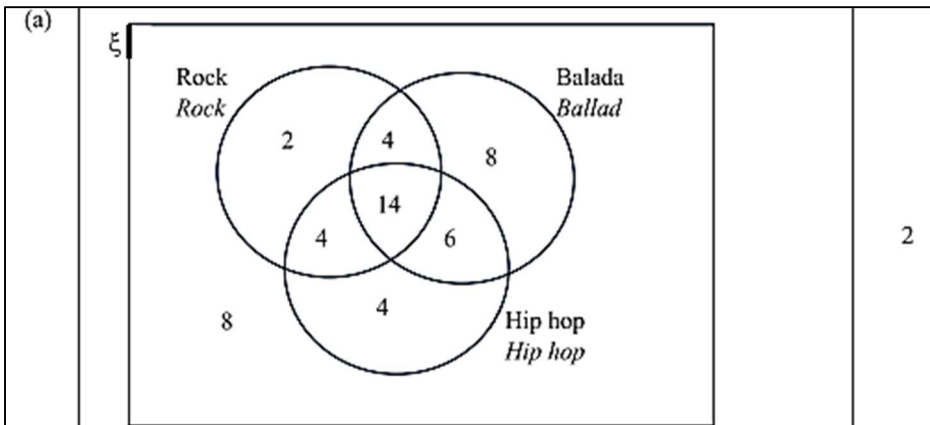
8. SELANGOR SET 1



(b) (i) 45
 (ii) 25

1
1

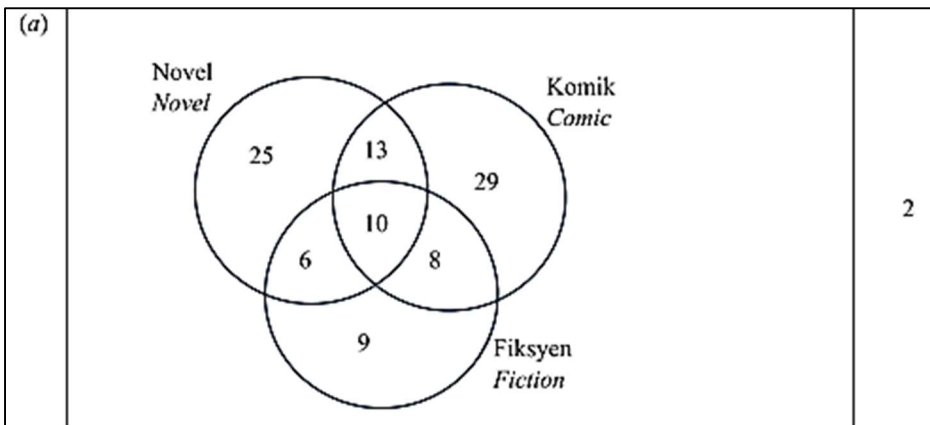
9. SELANGOR SET 2



(b) (i) 10
 (ii) 8

1
1

10. SELANGOR SET 3



(b) (i) 46
 (ii) 27

1
1

11. MUAR JOHOR

(a)	<p>Nota: 1. Benarkan sekurang-kurangnya dua kesilapan untuk markah P2 2. Benarkan 3 kesilapan untuk markah P1</p>	P3
(b)(i)	*12 (ikut pada bilangan yang ada pada gambar rajah Venn)	K1
(b)(ii)	*8 (ikut pada bilangan yang ada pada gambar rajah Venn)	K1

12. SPMU

(a) (i)	$\{10, 12, 14, 15, 16, 18\}$
(ii)	$\{16\}$
(b)	3

13. PPT YIK

(a)		K1
(b)		K2

14. PPT YIK

Set P = { 1, 4, 9, 16 }	P1
Set Q = { 1, 3, 5, 15 }	P1
Set R = { 5, 10, 15, 20 }	P1
(b)	
(c)	{ 1, 3, 4, 9, 16 } n = 5

15. TERENGGANU MPP2

(a)	$16 + 4 + 6 = (y + 3) + 6 + 7$ 10	W1 V1
(b)	$7 + 8 + 16 + 4 + 6 + 20 + 13$ 74	W1 V1

16. PPT KEDAH

(a)		2m
(b)		2m

17. PPT KELANTAN

(a)		3
(b)(i)	9	1
(ii)	11	1
(iii)	6	1
(c)(i)		1
(ii)	14	1
(iii)	$(I \cup C)' \cap S$	1

18. PPT PAHANG

(a)	(i)		2
Nota :			
18, 9, 11 dan 15 dilihat di tempat yang betul beri 1 markah			
(ii)	15	1	
(iii)	6 + 6 + 15 27	1 1	
(iv)	18 + 11 + 15 44	1 1	
(b)		2	