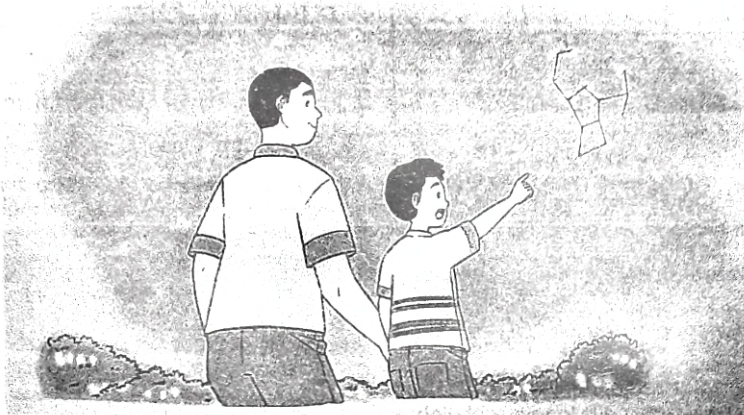


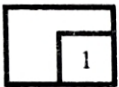
1. Rajah 1 menunjukkan buruj yang kelihatan pada suatu malam.
 Diagram 1 shows a constellation can be seen at night.



Rajah 1/ Diagram 1

- a) Apakah maksud buruj?
 What is the meaning of constellation?

1(a)

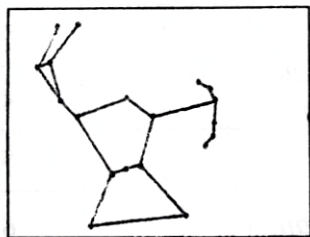


[1 markah/1 mark]

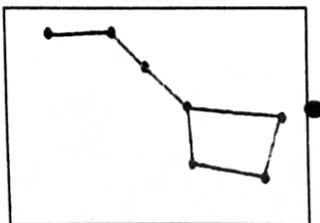
- b) Padankan corak dengan buruj yang betul.
 Match the pattern to the right constellation.

Corak
 Pattern

Buruj
 Constellation



Skorpio
 Scorpion

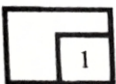


Biduk
 Big Dipper

Belantik
 Orion

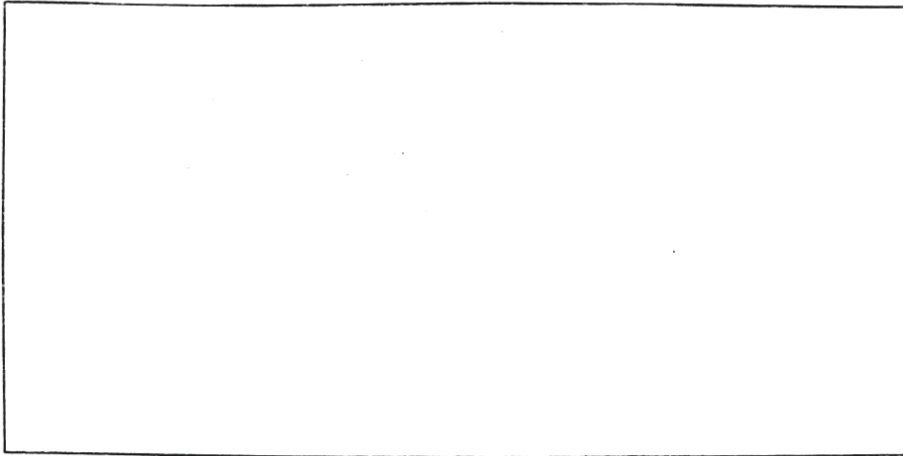
[1 markah/1 mark]

1(b)



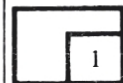
c) Lakarkan bentuk buruj pari.

Sketch the pattern of southern cross constellation.



[1 markah/1 mark]

1(c)



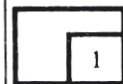
d) Berikan satu kepentingan buruj kepada petani pada zaman dahulu.

Give one of the importance of constellation to the ancient farmer.

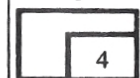


[1 markah/1 mark]

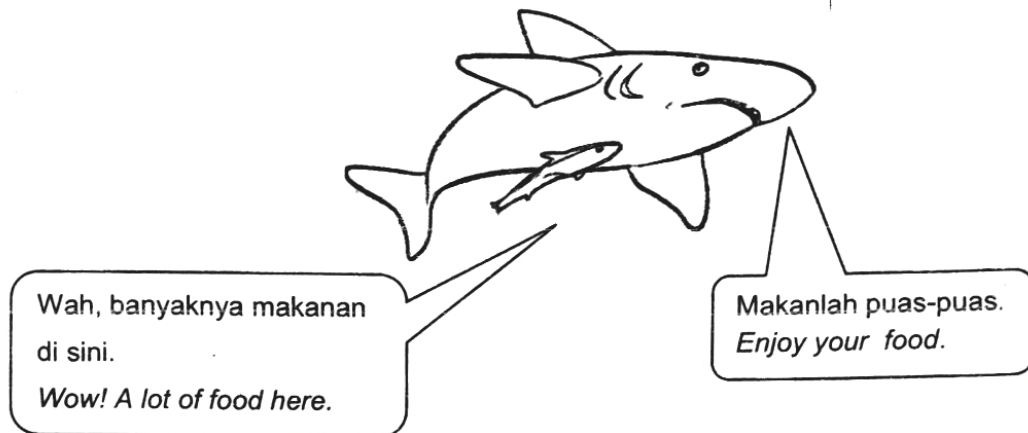
1(d)



Jumlah
1



2. Rajah 2.1 menunjukkan interaksi antara dua jenis haiwan.
 Diagram 2.1 shows the interaction between two types of animal.



Rajah 2.1 / Diagram 2.1

- a) Gariskan jawapan yang betul.
 Underline the correct answer.

Interaksi antara ikan jerung dan ikan remora seperti yang ditunjukkan dalam Rajah 2.1 dikenali sebagai (Mutualisme / Komensalisme).

The interaction between shark and remora fish as shown in Diagram 2.1 is known as (Mutualism / Commensalism)

[1 markah / 1 mark]

- b) (i) Adakah jenis interaksi yang dinyatakan di 2 (a) memberi manfaat atau kerugian kepada ikan remora?
 Is the types of interactions stated in 2 (a) give benefits or losses to the remora fish?

Tandakan (✓) pada kotak di bawah.
 Tick (✓) in the box below.

Manfaat
 Benefits

Kerugian
 Losses

- (ii) Berikan alasan kamu.
 Give your reason.

[1 markah / 1 mark]

2(a)

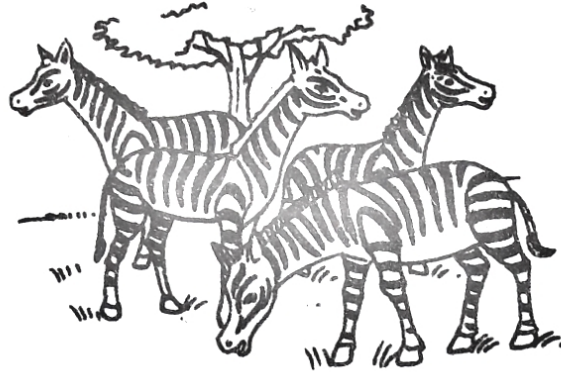
	1
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2(b)

	1
--	---

- c) Rajah 2.2 menunjukkan satu spesies haiwan yang hidup secara berkumpulan.

Diagram 2.2 shows a species of animals that live in groups.



Rajah 2.2 / Diagram 2.2

Nyatakan kelebihan dan kekurangan cara hidup haiwan di atas dalam Jadual 1.

Based on the Diagram 2.2, state the advantages and disadvantages of the animals lifestyle in Table 1.

Kelebihan <i>Advantage</i>	Kekurangan <i>Disadvantage</i>
i) _____ _____ ii) Bekerjasama membina sarang. <i>Cooperate to build a nest.</i>	i) Haiwan yang lemah dalam kumpulan sukar menyelamatkan diri daripada musuh. <i>The weakest animals in the groups will difficult to save themselves.</i> (ii) _____ _____

Jadual 1 / Table 1

[2 markah/ 2 marks]

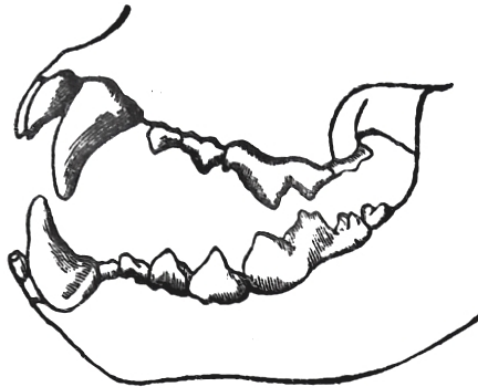
2(c)

2

Jumlah
2

4

3. Rajah 3 menunjukkan struktur gigi haiwan.
Diagram 3 shows the structure of animal teeth.



Rajah 3
Diagram 3

- a) Nyatakan tabiat makan haiwan yang mempunyai struktur gigi seperti di Rajah 3.
State the eating habit of animals that have structure of teeth as in Diagram 3.

3(a)

1

[1 markah / 1 mark]

- b) Apakah kegunaan gigi taring bagi haiwan tersebut?
What is the use of canine teeth to that animal?

3(b)

1

[1 markah / 1 mark]

- c) Berdasarkan struktur gigi haiwan dalam Rajah 3, haiwan manakah mempunyai struktur gigi yang serupa?

Based on the structure of animal teeth in Diagram 3, which animal has the same structure of teeth?

Bulatkan pada jawapan yang betul.

Circle the correct answer.

Cimpanzi <i>Chimpanzee</i>	Harimau <i>Tiger</i>	Kambing <i>Goat</i>
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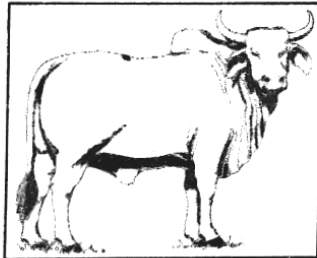
[1 markah / 1 mark]

3(c)

	1
--	---

- d) Apakah tabiat makan bagi haiwan-haiwan yang berikut ?

What are the eating habit of the following animals ?



(i) _____



(ii) _____

[2 markah / 2 marks]

3(d)

	2
--	---

Jumlah
3

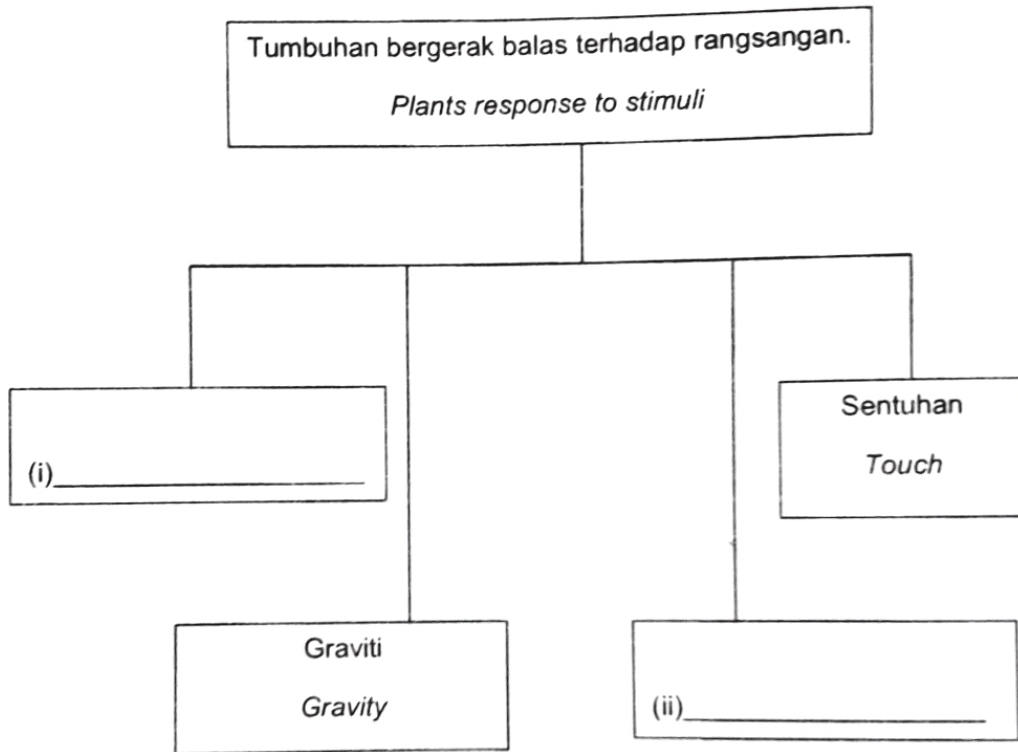
	5
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4. Rajah 4.1 menunjukkan jenis rangsangan yang menyebabkan gerak balas tumbuhan.

Diagram 4.1 shows the type of stimuli cause the response of the plants.

- (a) Isikan Rajah 4.1 dengan dua jenis rangsangan tumbuhan.

Fill in Diagram 4.1 with two types of plant stimuli.

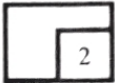


Rajah 4.1

Diagram 4.1

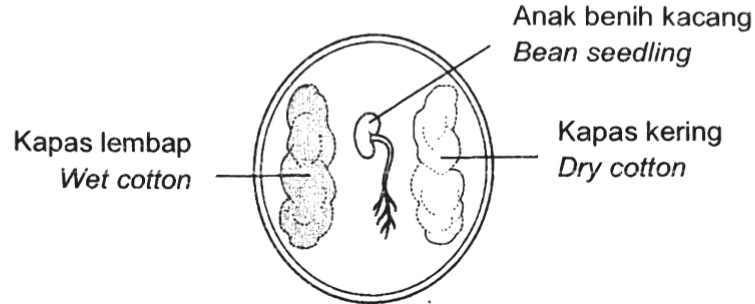
[2 markah/2 marks]

4(a)



(b) Rajah 4.2 menunjukkan penyiasatan bagi mengkaji gerak balas tumbuhan terhadap rangsangan.

Diagram 4.2 shows an investigation to study the response of plants to stimuli.



Rajah 4.2
Diagram 4.2

(i) Apakah pemerhatian kamu terhadap arah pergerakan akar selepas beberapa hari?

What is your observation about the direct of the roots after a few days?

[1 markah/1 mark]

4(b)(i)

	1
--	---

(ii) Nyatakan satu inferens berdasarkan jawapan kamu di 4 (a) (i).

State one inference based on your answer in 4 (a)(i).

[1 markah/1 mark]

4(b)(ii)

	1
--	---

(iii) Apakah kesimpulan yang dapat dibuat daripada penyiasatan ini?

What is the conclusion can be made from this investigation?

[1 markah/1 mark]

4(b)(iii)

	1
--	---

Jumlah
4

	5
--	---

5. Bahan yang berlainan mempunyai sifat yang berlainan. Logam ialah konduktor elektrik dan haba yang baik.

Different materials have different properties. Metals are good conductors of electricity and heat.

(a) Apakah yang dimaksudkan dengan "konduktor elektrik"?

What is the meaning of "electric conductor"?

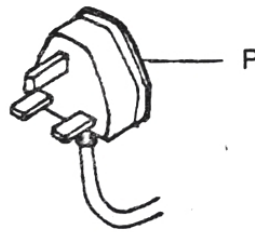
5(a)

1

[1 markah/1 mark]

(b) Rajah 5.1 menunjukkan plag elektrik.

Diagram 5.1 shows an electric plug.



Rajah 5.1 / Diagram 5.1

(i) Berdasarkan Rajah 5.1, nyatakan bahan yang digunakan untuk membuat bahagian P.

Based on Diagram 5.1, state the material is used to make part P.

5(b)(i)

1

[1 markah/1 mark]

(ii) Apakah sifat bahan yang digunakan untuk membuat bahagian P?

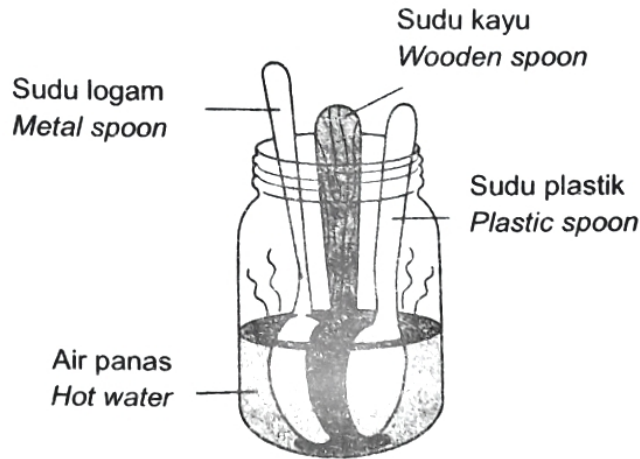
What is the properties of material that is used to make part P?

5(b)(ii)

1

[1 markah/1 mark]

- c) Rajah 5.2 menunjukkan tiga jenis sudu yang direndam dalam bekas berisi air panas.
Diagram 5.2. shows three types spoon that immersed in a container with hot water.



Rajah 5.2
 Diagram 5.2

- (i) Ramalkan apakah yang akan berlaku setelah sudu-sudu itu direndam di dalam air panas selepas dua minit.
Predict what will happen to the spoons after immersed in the hot water after two minutes.

[1 markah/1 mark]

5(c)(i)

	1
--	---

- (ii) Berikan alasan kamu berdasarkan jawapan kamu di 5 (c)(i).
Give your reason based on your answer in 5 (c) (i).

[1 markah/1 mark]

5(c)(ii)

	1
--	---

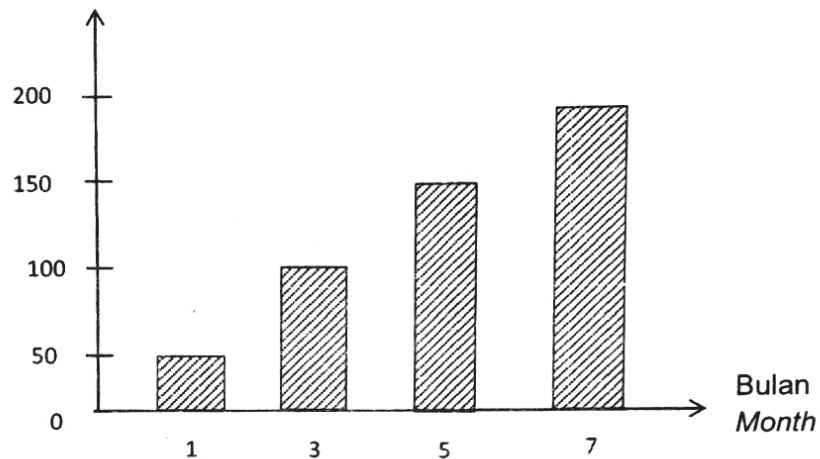
Jumlah
5

	5
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6. Carta palang menunjukkan hasil penyiasatan jumlah beg plastik yang telah digunakan di bandar A.

A bar chart below shows the results of an investigation on the amount of plastic bag being used in city A.

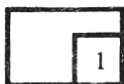
Jumlah beg plastik digunakan (tan)
Amount of plastic bag being used (tonne)



a) Nyatakan dua maklumat yang dikumpulkan dalam penyiasatan ini.

State two information collected in this investigation.

6(a)

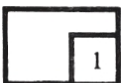


[1 markah/ 1 mark]

b) Nyatakan tujuan bagi penyiasatan ini.

State the aim of this investigation.

6(b)



[1 markah/ 1 mark]

- c) Apakah corak perubahan jumlah penggunaan beg plastik dari bulan 1 hingga bulan 7?
What is the trend of change in the amount of plastic bag used from Month 1 until Month 7?

[1 markah/ 1 mark]

6(c)

	1
--	---

- d) Nyatakan satu kesan buruk yang berlaku kepada Bandar A jika pembuangan beg-beg plastik tidak terancang berterusan dilakukan oleh para penduduk di situ.
State one bad effect that occurred at Bandar A due to the improper disposal of plastic bags waste continuously by the residents.

[1 markah/ 1 mark]

6(d)

	1
--	---

- e) Nyatakan satu kesimpulan berdasarkan penyiasatan ini.
State one conclusion based on this investigation.

[1 markah/ 1 mark]

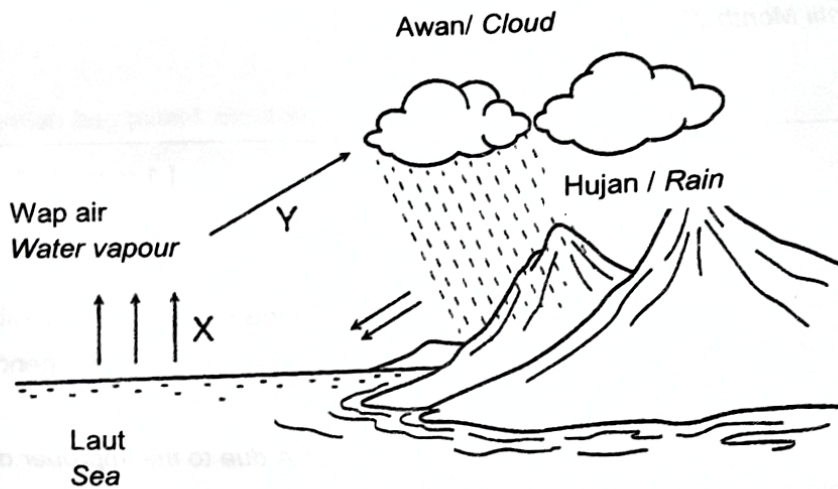
6(e)

	1
--	---

Jumlah
6

	5
--	---

7. Rajah 7.1 menunjukkan kitar air semula jadi.
Diagram 7.1 shows a natural water cycle.



Rajah 7.1
Diagram 7.1

- a) Nyatakan perubahan keadaan air yang berlaku pada proses X dan Y.
State the change of state of water in process X and Y.

- i. Proses X : _____
Process X
- ii. Proses Y : _____
Process Y

[2 markah/ 2 marks]

- b) Selain faktor suhu, berikan satu faktor lain yang boleh mempengaruhi proses X.
Besides temperature factor, give one another factor that can affect process X.

[1 markah/ 1 mark]

- c) Apakah kepentingan kitaran air semula jadi kepada hidupan?
What is the importance of natural water cycle to all living things?

[1 markah/ 1 mark]

7(a)

	2
--	---

7(b)

	1
--	---

7(c)

	1
--	---

- d) Rajah 7.2 menunjukkan keadaan sungai akibat daripada aktiviti manusia.
Diagram 7.2 shows the condition of a river caused by human activities.



Rajah 7.2
Diagram 7.2

- i. Berdasarkan pemerhatian di Rajah 7.2, apakah kesannya kepada sumber air semulajadi?

Based on observation in Diagram 7.2, what is the effect to the natural water resources?

[1 markah/1 mark]

7(d)(i)

1

- ii. Nyatakan **satu** amalan pembuangan bahan buangan yang terancang yang dapat memastikan sumber air yang bersih dapat terus dibekalkan untuk kegunaan kita.

*State **one** proper disposal of waste practice that to ensure the continuous supply of clean water resources for our use.*

[1 markah/1 mark]

7(d)(ii)

1

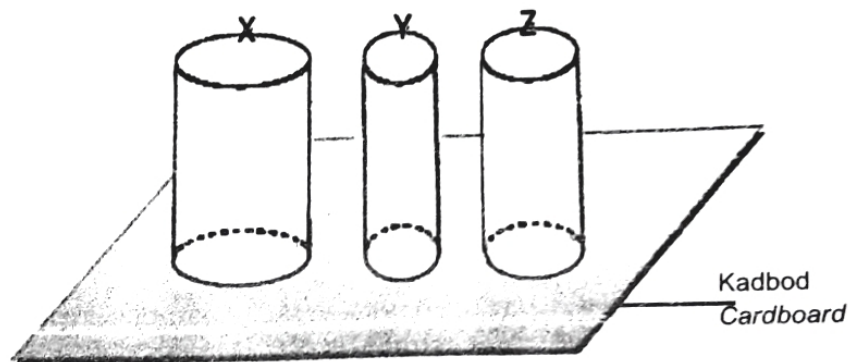
Jumlah

7

6

8. Rajah 8 menunjukkan satu penyiasatan tentang kestabilan tiga buah model X, Y dan Z yang berbeza luas tapak diletakkan di atas sekeping kadbod. Murid mencondongkan kadbod dengan perlahan-lahan dan didapati model Y jatuh dahulu diikuti model Z dan X.

Diagram 8 shows an investigation on the stability of three models X, Y and Z with different base area that have been placed on a piece of cardboard. The pupil is tilted the cardboard slowly and he found that the model Y toppled first followed by Z and X.



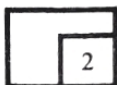
Rajah 8 / Diagram 8

- (a) Bina sebuah jadual untuk menunjukkan keputusan penyiasatan di atas.
Construct a table to show the results of the above investigation.

--	--

[2 markah/ 2 marks]

8(a)



(b) Berikan inferens berdasarkan model Y?
Give your inference based on model Y?

[1markah/ 1 mark]

8(b)

1

(c) Padankan maklumat berikut dengan pembolehubah yang betul dalam penyiasatan ini.

Match the following information with the correct variables in this investigation.

Maklumat
Information

Pembolehubah
Variables

Ketinggian model
Height of model

Pembolehubah dimanipulasi
Manipulated Variables

Luas tapak
Base area

Pembolehubah bergerak balas
Responding Variables

Pembolehubah dimalarkan
Constant Variables

[2 markah/ 2 marks]

8 (c)

2

(d) Nyatakan hubungan antara pemboleh ubah dimanipulasi dan pemboleh ubah bergerak balas berdasarkan penyiasatan ini.

State the relationship between manipulated variable and responding variable based on the investigation.

[1 markah/ 1 mark]

8 (d)

	1
--	---

KERTAS SOALAN TAMAT

END OF QUESTION PAPER

Jumlah
8

	6
--	---