

SULIT

NO. KAD PENGENALAN/
NO. SIJIL KELAHIRAN

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ANGKA GILIRAN

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**LEMBAGA PEPERIKSAAN
KEMENTERIAN PENDIDIKAN MALAYSIA**

UJIAN PENCAPAIAN SEKOLAH RENDAH 20XX

SAINS

018/2

Kertas 2

September

1 jam

Satu jam

JANGAN BUKA KERTAS SOALAN INI SEHINGGA DIBERITAHU

1. Tulis **nombor kad pengenalan** atau **nombor sijil kelahiran** dan **angka giliran** kamu pada petak-petak yang disediakan.
2. Jawapan kamu hendaklah ditulis pada ruang yang disediakan dalam kertas soalan ini.
3. Kertas ini mengandungi 8 soalan.
4. Kamu dikehendaki menjawab semua soalan.
5. Jika kamu hendak menukar jawapan, padamkan jawapan yang telah dibuat. Kemudian tulis jawapan yang baru.

<i>Untuk Kegunaan Pemeriksa</i>		
Kod Pemeriksa:		
Soalan	Markah Penuh	Markah Diperoleh
1	4	
2	4	
3	5	
4	5	
5	5	
6	5	
7	6	
8	6	
Jumlah		

Kertas soalan ini mengandungi 11 halaman bercetak dan 1 halaman tidak bercetak.

1 Survival of species is an ability of animals to ensure their species from extinction.

1(a)

	1
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(a) State one way how animal can maintain it's species from extinction.

.....

[1 mark]

(b) Diagram 1.1 shows a species of animal.

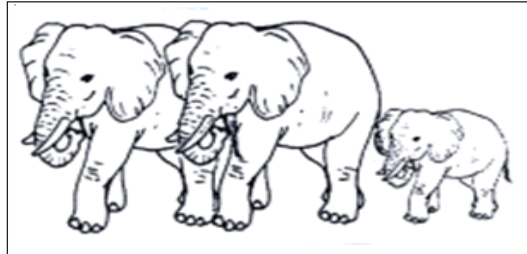


Diagram 1.1

Based on Diagram 1.1, how did the animal ensure the survival of their species?

.....

[1 mark]

(c) Diagram 1.2 shows an animal.

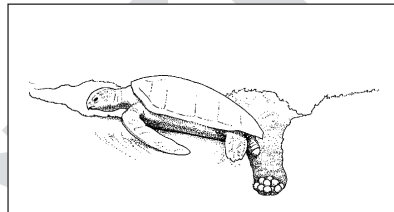


Diagram 1.2

(i) State how this animal protect their eggs from their enemies.

.....

[1 mark]

(ii) Some traders often offer the accessories made of this animal's shell. In your opinion, is the traders action acceptable?

Yes

No

Give your reason.

.....

[1 mark]

1(c)(i)

	1
--	---

1(c)(ii)

	1
--	---

Total
A1

4

2 Diagram 2.1 shows a type of animal.

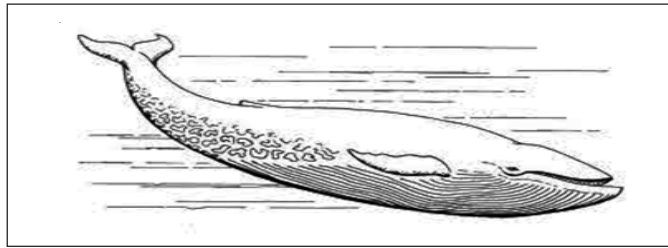


Diagram 2.1

(a) State the breathing organ of the animal.

.....
 [1 mark]

2(a)

	1
--	---

(b) (i) Predict the condition of grasshopper if it's head was immersed into water for two minutes.

.....
 [1 mark]

2(b)(i)

	1
--	---

(ii) Give your reason based on your answer in 2(b)(i).

.....
 [1 mark]

2(b)(ii)

	1
--	---

(c) Diagram 2.2 shows a life cycle of frog.

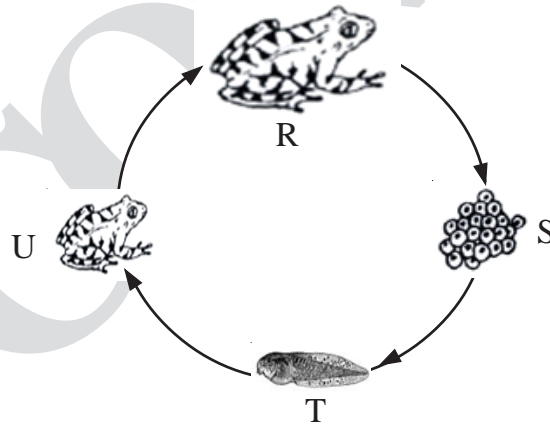


Diagram 2.2

Based on Diagram 2.2, in which stage the animal live in water?
Give a reason.

Stage :

Reason :

.....

[1 mark]

[Lihat halaman sebelah

SULIT

2(c)

	1
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Total
A2

4

3 Diagram 3.1 shows types of waste material.

(a) Fill in Diagram 3.1 with two types of waste material.

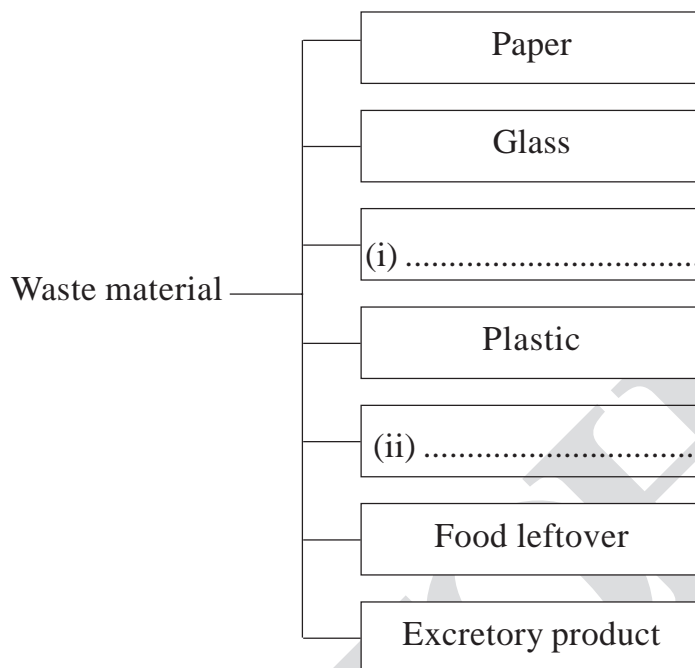


Diagram 3.1

[2 marks]

(b) (i) On every Saturday and Sunday, supermarkets charge if want to use the plastic bags. This is to reduce the use of plastic.

Why the use of plastic need to be reduced?

.....
.....

[1 mark]

(ii) State one effect of dumping plastic into the river.

.....

[1 mark]

(c) The usage of polystyrene material is not encouraged by the Health Department to be use as a food container.

Why?

.....

[1 mark]

3(a)

2

3(b)(i)

1

3(b)(ii)

1

3(c)

1

Total
A3

5

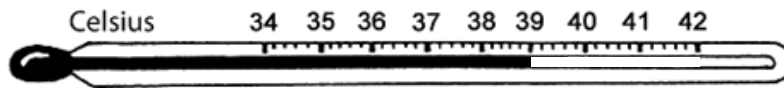
- 4 (a) Puan Rose brings her child to a clinic. The doctor found that the body temperature of her child is high.
What is a tool used to measure the body temperature of the child?

.....
[1 mark]

4(a)

	1
--	---

- (b) (i) Diagram below shows the body temperature of the child.



State the body temperature of the child.

..... °C
[1 mark]

4(b)(i)

	1
--	---

- (ii) What will happen to the human body if the temperature arise to 40°C?

.....
[1 mark]

4(b)(ii)

	1
--	---

- (c) Cup J contains an iron spoon, while cup K is an empty cup. The boiling water is poured into the both cups.

- (i) After five minutes, predict what will happen to the temperature of water in cup J compare to the temperature of water in cup K?

Tick (✓) to the correct answer.

- Lesser than K
- Equal
- More than K

[1 mark]

4(c)(i)

	1
--	---

- (ii) What should you do to make the water cold?

.....
[1 mark]

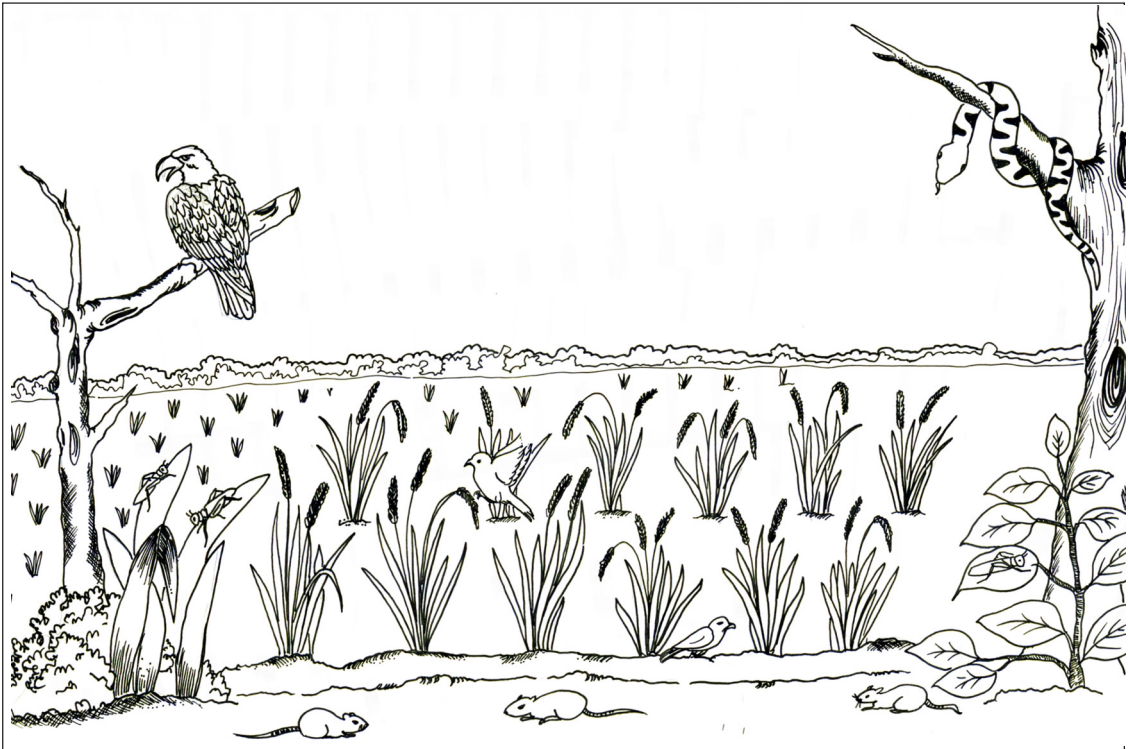
4(c)(ii)

	1
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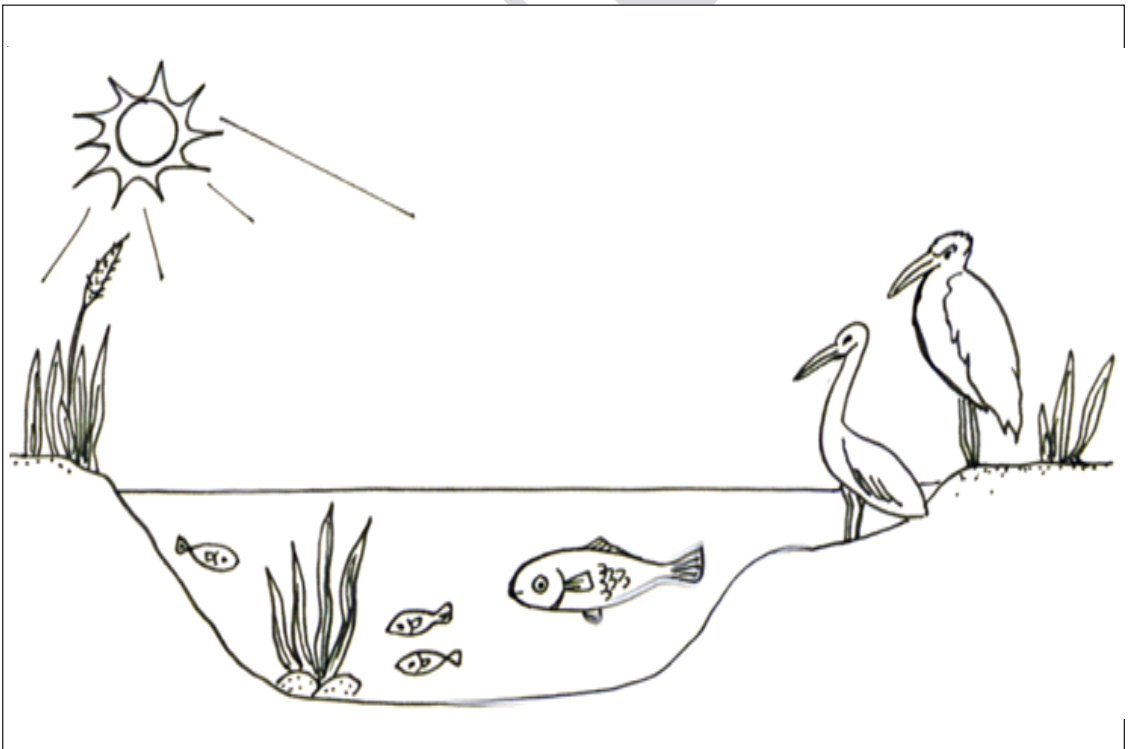
**Total
A4**

	5
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5 Diagrams below show two habitats of M and N.



Habitat M



Habitat N

(a) State one producer in habitat M or N.

.....
[1 mark]

5(a)

	1
--	---

(b) Based on the habitat M, construct one food web.

[2 marks]

5(b)

	2
--	---

(c) Aquatic life has died due to dumping of the waste from factories into the habitat N.

What will happen to the number of egret? Give a reason.

Number of egret :

Reason :
[2 marks]

5(c)

	2
--	---

Total
A5

5	
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6 Diagram 6 shows an investigation on the number of the swings in 30 seconds by using the different length of string.

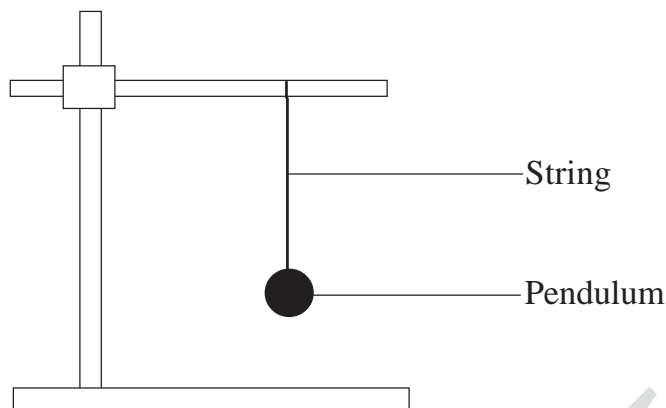


Diagram 6

(a) (i) State another tool that can be used to measure time.

.....
[1 mark]

(ii) Why the tool in Diagram 6 and the answer in 6(a)(i) can be use as a tool to measure time?

.....
[1 mark]

(b) The following information shows the result of the investigation

- Length of string : 10 cm , number of the swing : 20
- Length of string : 15 cm , number of the swing : 17
- Length of string : 20 cm , number of the swing : 15

Based on the information given, construct a table to show the result of the investigation.

(c) What is the trend of the number of swing, if the length of the string is shorten?

.....
[1 mark]

6(a)(i)
1

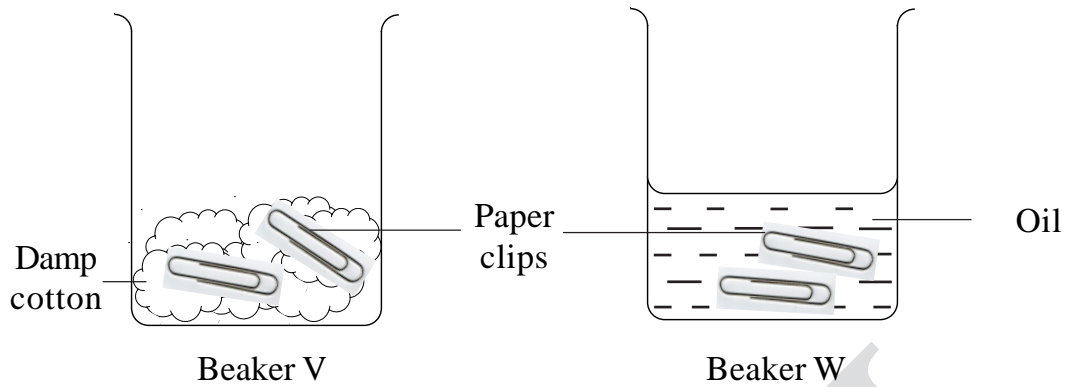
6(a)(ii)
1

6(b)
2

6(c)
1

Total
A6
5

7 Johan carry out an experiment. Two paper clips made of iron placed in two different beakers contain damp cotton and oil.



(a) What will happen to the paper clips in beaker V and W after seven days?

Beaker V :

Beaker W :

[2 marks]

7(a)

2

(b) (i) State the inference for answer in 7(a).

.....

.....

[1 mark]

7(b)(i)

1

(ii) What should be done to the paper clips in the beaker V to prevent it from rusting even after placed in damp cotton.

.....

[1 mark]

7(b)(ii)

1

(c) State two manipulated variables in this investigation.

1.

2.

[2 marks]

7(c)

2

Total
A7

6

8 Raul carry out an investigation about an electric circuit and the brightness of bulb.

Diagram 8 shows the arrangement of the electric circuit.

(a) State the brightness of the bulb in circuit Y and Z.

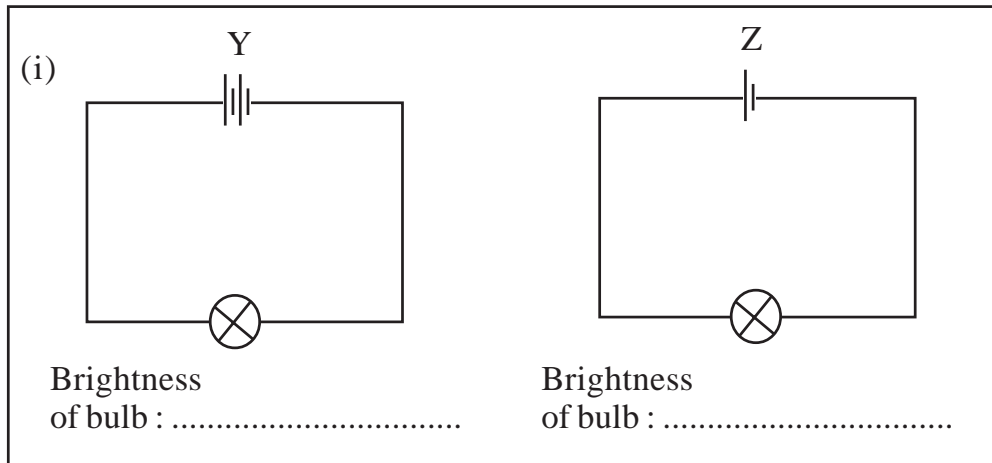


Diagram 8

8(a)

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[1 mark]

(b) State the variables involved in Diagram 8.

8(b)

2

(i) Responding variable:

(ii) Constant variable :

[2 marks]

8(c)

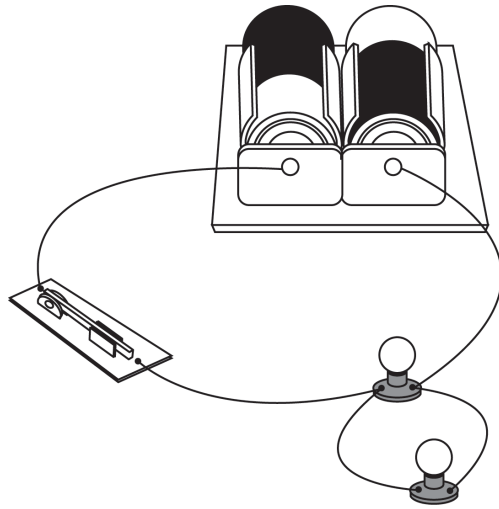
1

(c) Predict what will happen, if one bulb is added in circuit Y.

.....

[1 mark]

(d) Diagram below shows another arrangement of an electric circuit.



Draw the above circuit in a symbol diagram.

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[2 marks]

8(d)

	2
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END OF QUESTION PAPER

Total
A8

6	
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