

- 7 (a) Jadual 2 menunjukkan masa Matahari terbenam pada waktu petang di empat buah negeri di Malaysia yang direkodkan oleh sekumpulan murid. Table 2 shows time of the Sun to set in the evening in four states in Malaysia recorded by a group of pupils.

Untuk
Kegunaan
Pemeriksa

Masa Matahari terbenam di 4 negeri
Time of the Sun to set in 4 states

Sabah <i>Sabah</i>	6:36 petang <i>6:36 p.m.</i>	Kelantan <i>Kelantan</i>	6:55 petang <i>6:55 p.m.</i>
Sarawak <i>Sarawak</i>	6:46 petang <i>6:46 p.m.</i>	Pulau Pinang <i>Penang Island</i>	6:58 petang <i>6:58 p.m.</i>

Jadual 2
Table 2

- (i) Tuliskan **satu** pemerhatian berdasarkan jadual tersebut.
*Write **one** observation based on that table.*

[1 markah]
[1 mark]

7(a)(i)

1

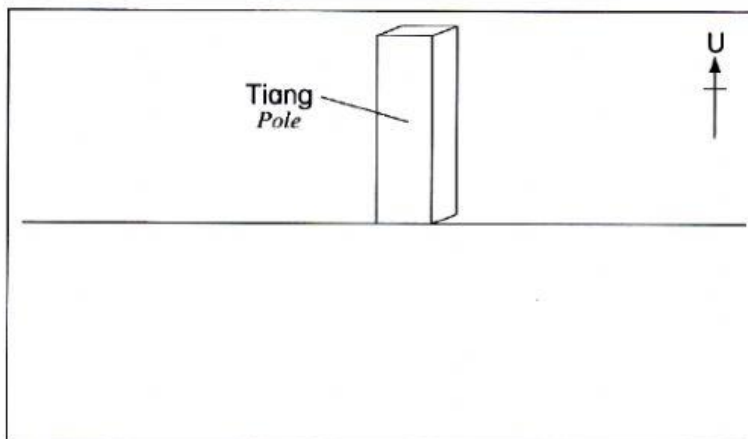
- (ii) Beri alasan berdasarkan jawapan kamu di 7(a)(i).
Give your reason based on your answer in 7(a)(i).

[1 markah]
[1 mark]

7(a)(ii)

1

- (b) Suatu penyiasatan dijalankan oleh Kumpulan Zen pada jam 10 pagi seperti dalam Rajah 7.1.
An investigation is conducted by Group Zen at 10 a.m. as in Diagram 7.1.



Rajah 7.1
Diagram 7.1

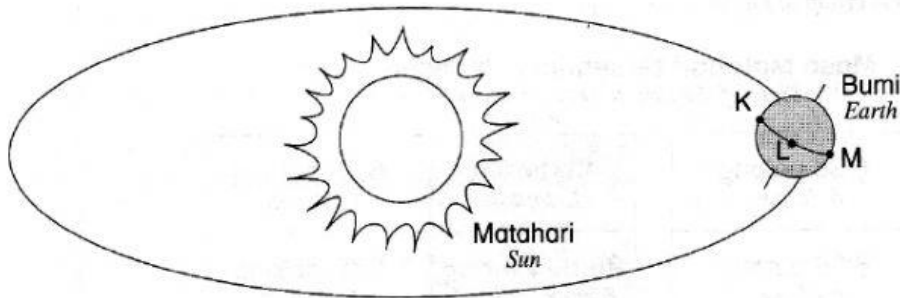
Lukiskan kedudukan Matahari dan bayang-bayang tiang yang terbentuk.
Draw the position of the Sun and shadow formed.

[1 markah]
[1 mark]

7(b)

1

- (c) Rajah 7.2 menunjukkan peredaran Bumi mengelilingi Matahari.
Diagram 7.2 shows revolution of the Earth around the Sun.



Rajah 7.2
Diagram 7.2

Tentukan masa (pagi, petang atau malam) bagi lokasi di Bumi yang berikut.

State the time (morning, evening or night) for the following location on the Earth.

Lokasi Location	K	L	M
Masa Time			

[2 markah]
[2 marks]

7(c)

2

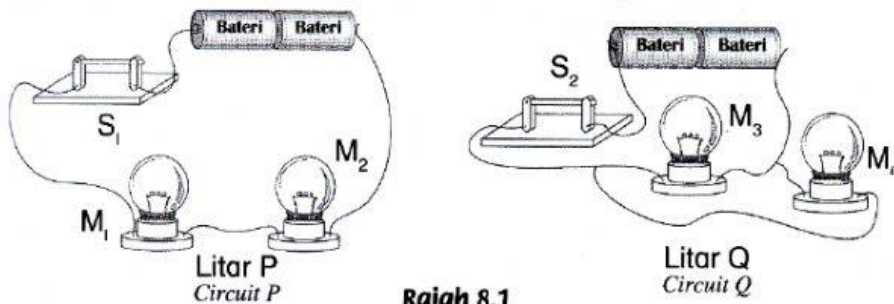
Jumlah
7

5

- 8 Seorang murid menjalankan satu penyiasatan litar elektrik seperti dalam Rajah 8.1.

A pupil carried out investigation of electric circuit as in Diagram 8.1.

Untuk
Kegunaan
Pemeriksa



Rajah 8.1
Diagram 8.1

- (a) Nyatakan kecerahan mentol berdasarkan perbandingan antara mentol dalam litar P dengan litar Q.
State the brightness of bulb based on comparison between the bulbs in circuit P and circuit Q.

Litar Circuit	P	Q
Kecerahan mentol Brightness of bulbs		

[1 markah]
[1 mark]

- (b) Lukiskan litar Q dalam bentuk simbol.
Draw circuit Q in form of symbols.

[1 markah]
[1 mark]

- (c) Apakah yang akan terjadi pada litar P jika mentol M_1 terbakar?
What will happen to circuit P if bulb M_1 burn out?

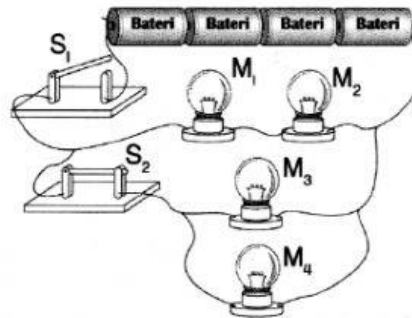
[1 markah]
[1 mark]

KBAT

- (d) Mengapakah mentol di rumah dipasang seperti litar Q dan bukan seperti litar P?
Why are the bulbs in house installed as in circuit Q but not as in circuit P?

[1 markah]
[1 mark]

- (e) Litar P dan Q diubahsuai menjadi litar seperti dalam Rajah 8.2.
Circuit P and Q are modified and become circuit as in Diagram 8.2.



Rajah 8.2
Diagram 8.2

Mentol yang manakah akan menyala jika suis S_1 dibuka dan S_2 ditutup?
Which bulb will light up when switch S_1 is open and S_2 is closed?

[1 markah]
[1 mark]

8(e)

1

KERTAS PEPERIKSAAN TAMAT
END OF QUESTION PAPER

Jumlah
8

5
