Praktis PT3

1 Pengenalan kepada Penyiasatan Saintifik
Introduction to Scientific Investigation

m.s. 6 – 7

1. Sains adalah satu bidang ilmu yang melibatkan pemerhatian dan kajian yang sistematik terhadap fenomena semula jadi.
Science is a field of knowledge which involves observations and investigation on natural phenomena.

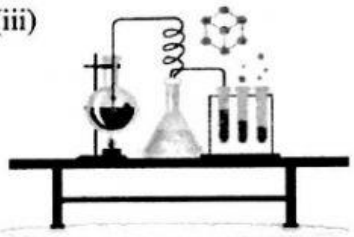
(a) Pilih bidang sains yang betul untuk mewakili setiap rajah dan tuliskan jawapan anda dalam ruang yang disediakan. Subtopik 1.1
Choose the correct field of science to represent each diagram and write your answers in the spaces provided.

Zoologi *Zoology*	Geologi *Geology*	Botani *Botany*
Kimia *Chemistry*	Fizik *Physics*	Forensik *Forensic*

(i)

(ii)

(iii)



(iv)

(v)

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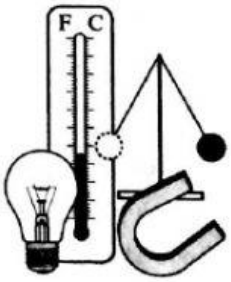

[6 *markah* / 6 *marks*]

(b) Jika anda ingin menjadi seorang jurutera, nyatakan **dua** subjek utama yang perlu anda pelajari.
If you want to be an engineer, state ***two*** *main subjects that you need to study.*

_____

[2 *markah* / 2 *marks*]

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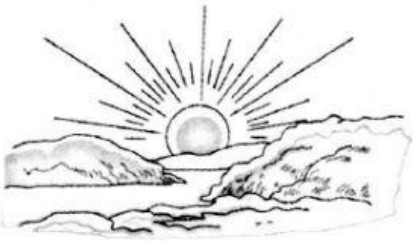
BAHAGIAN B

Arahan: Jawab **semua** soalan.
Instructions: *Answer* **all** *the questions.*

1 (a) Fenomena semula jadi ialah aktiviti harian semula jadi yang berlaku dalam alam dan bukan dihasilkan oleh manusia. Tandakan (✓) pada rajah yang menunjukkan fenomena semula jadi.
Natural phenomena are natural daily activities that occur in nature and are not produced by humans. Put a tick (✓) for a diagram that shows a natural phenomenon.

(i)



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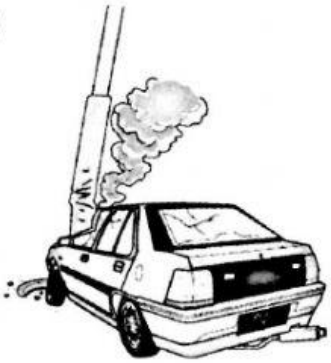
(ii)



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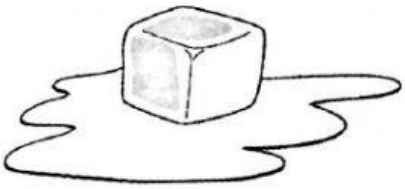
(iii)



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[2 markah]
[2 *marks*]

(b) Sains adalah penting dalam kehidupan harian kita. Tandakan (✓) pada pernyataan yang betul.
Science is important in our daily life. Tick (✓) for a correct statement.

(i) Penciptaan mikroskop membantu kita mengkaji dan mengenali organisma yang seni. *Invention of the microscope helps us to investigate and learn about tiny organisms.*	
(ii) Penggunaan baja yang berlebihan membantu mengekalkan keseimbangan ekosistem. *Excessive use of fertilizers help to maintain the balance of the ecosystem.*	
(iii) Pengetahuan genetik membantu dalam pengklonanan manusia untuk menambahkan populasi manusia. *Genetic knowledge helps in human cloning to increase the population of human being.*	
(iv) Suntikan vaksin melindungi kita daripada penyakit yang berbahaya. *Injection of vaccines protect us from dangerous diseases.*	

[2 markah]
[2 *marks*]

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2 (a) Rajah di bawah menunjukkan beberapa kerjaya yang berkaitan dengan bidang sains.
The diagram below shows a few careers related to Science.

Padankan kerjaya yang berkaitan dengan subjek yang perlu dipelajari dengan betul.
Match the careers related to the subject which should be learned correctly.

Kerjaya *Career*	**Subjek yang pelu dipelajari** *Subject to be learned*
(i)	Biologi *Biology*
(ii)	Kimia *Chemistry*
	Fizik *Physics*

[2 markah]
[2 *marks*]

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