Index No.	
DOB	

50/2

SCIENCE
PAPER 2

BOARD OF EXAMINATIONS
NEGARA BRUNEI DARUSSALAM

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2016

SCIENCE
PAPER 2
Time: 1 hour

Instructions:

1. **Write your Index Number and Date of Birth (DOB) in the box provided.**
2. **Do not open this booklet until you are told to do so.**
3. **This question booklet contains 2 sections.**
   Section A: Answer ALL QUESTIONS.
   Section B: Answer ONLY ONE QUESTION.
4. **Work as quickly and carefully as you can. If you cannot answer a question, go on to the next one. Do not waste time.**
5. **When you are told to stop writing put your pen down and close the booklet.**
6. **You are given 5 minutes to look through the question paper.**

Marker's Code No.	
Marker's Signature	
Checker's Code No.	
Checker's Signature	

Section	Questions	Marks
A	1	
	2	
	3	
	4	
	5	
	6	
	7	
	8	
	9	
B	1	
	2	
TOTAL		

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LIVEWORKSHEETS

SECTION A

Answer the following questions in the spaces provided.

1. **Match the statements in Column A with the correct words in Column C and write the answers in the spaces in Column B.**

COLUMN A	COLUMN B	COLUMN C
(a) The process whereby plants make their own food.	_____	Stamen
(b) Space rocks that orbit around the Sun.	_____	Attract
(c) The male part of a flower.	_____	Comets
(d) This happens when two like poles meet.	_____	Tooth decay
(e) This is caused by germs found in plaque.	_____	Photosynthesis
		Repel
		Asteroids

[5 marks]

2. **Write 'T' for every true statement and 'F' for every false statement in the brackets given.**

(a) An apple falling from a tree is an example of elastic force. ( )

(b) The sound from the radio becomes softer when you move further away. ( )

(c) Magnets can attract objects that are made of steel. ( )

(d) All human beings have the same hair and eye colour. ( )

(e) The Moon is a source of light because it looks bright at night. ( )

[5 marks]

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3. **Fill in the blanks using the correct words given below.**

deforestation	malaria	tuberculosis	moon
force	solvent	shadow	sun
solute	recycling	solid	gaseous

(a) A _____ is formed when an opaque object blocks the path of light.

(b) Ice is water in its _____ state.

(c) We can help to conserve our Earth's natural resources by _____ materials such as paper, plastic and glass.

(d) When we unclog drains and remove water from pot plates, we can prevent mosquitoes from breeding and spreading _____.

(e) The _____ takes about 28 days to make one revolution around the Earth.

(f) Water is a _____ because it can dissolve many substances.

(g) A _____ can change the direction of a moving object.

(h) _____ endangers the lives of many forest animals and plants because it removes trees from the forest.

(i) The _____ is a star that gives out heat and light energy.

(j) A person infected with _____ can spread his disease to another person when he coughs and sneezes without covering his mouth.

[10 marks]

LIVEWORKSHEETS

4. Figure 1 shows diagram of six animals.

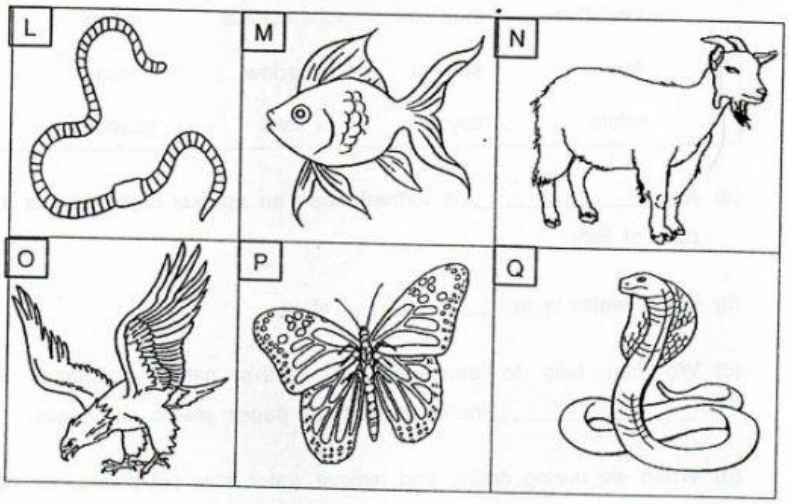
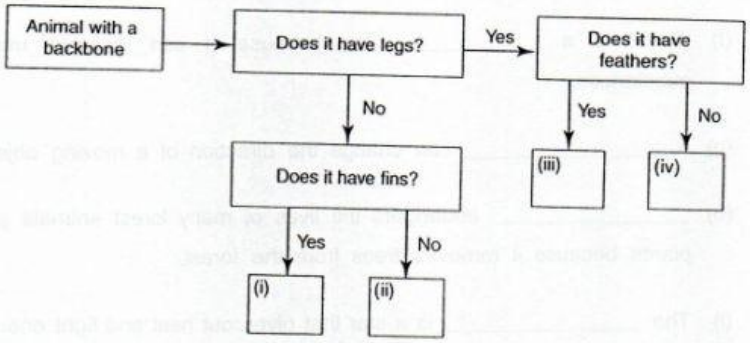


Figure 1

Study the chart below. Choose **only four** of the animals in Figure 1 and put the letter (L, M, N, O, P or Q) in the boxes correctly.



[4 marks]

LIVEWORKSHEETS

5. Table 1 shows the weekly lifestyle of three children – Aiman, Yati and Jamal.

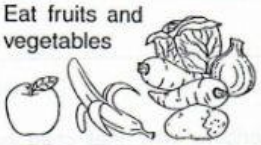
Activity	Alman	Yati	Jamal
Eat junk food 	Every day	Once a month	Three times a week
Eat fruits and vegetables 	Once a month	Every day	Two times a week
Play computer games 	Every day	Once a month	Three times a week
Exercise 	Once a month	Every day	Two times a week
Brush teeth 	Only at night before going to sleep	After every meal	Only at night before going to sleep
Sleep early (before 9p.m.) 	Always sleep at 1.00a.m.	Every day	Always sleep at 11.00p.m.

Table 1

Study Table 1 and answer the following questions.

(i) Who has the healthiest lifestyle?

_____

[1 mark]

LIVEWORKSHEETS

(ii) Explain your answer in part **(i)** describing why that child has the healthiest lifestyle.

_____

_____

[2 marks]

(iii) Who has the **unhealthiest** lifestyle?

_____

[1 mark]

(iv) Explain your answer in part **(iii)** describing why that child has the **unhealthiest** lifestyle.

_____

_____

[2 marks]

LIVEWORKSHEETS

6. Kazimah carried out an experiment to find out if Material A or Material B is a better conductor of heat. The steps taken are shown below.

Step 1:
She poured the same amount of water into two cups made of **different materials** labelled Material A and Material B. Both cups had the same thickness and size.

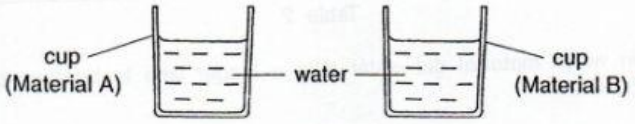


Figure 2a

Step 2:
Kazimah placed two thermometers in each cup. Next, she heated both cups at the same time with the same amount of heat. Immediately, she recorded the time taken for the water at Cup (Material A) and Cup (Material B) to reach 80°C.

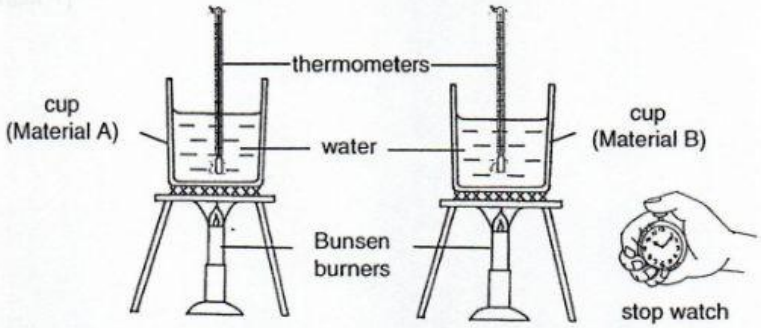


Figure 2b

Study the set-up of the experiment in Figure 2a and Figure 2b.

(i) Describe **three** things that Kazimah did to make sure that her experiment is fair.

1. _____

2. _____

3. _____

[3 marks]

LIVEWORKSHEETS

The result of the experiment is shown in Table 2.

Material	Time taken to reach 80°C (minutes)
A	6 min
B	3 min

Table 2

(ii) In which material did water take a longer time to heat up to reach 80°C?

Material _____

[1 mark]

(iii) Which material is a better conductor of heat?

Material _____

[1 mark]

LIVEWORKSHEETS

7. Teacher Saiful used a 'cigarette-smoking' model in Figure 3a and Figure 3b to show his pupils what would happen to a person's body when he smokes.

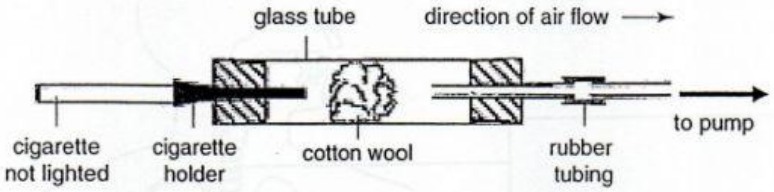


Figure 3a

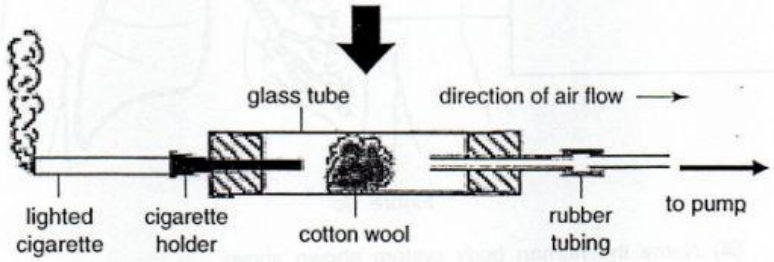


Figure 3b

(i) Observe what has happened to the cotton wool after the cigarette is lighted in Figure 3b. Write down your answer in Table 3.

Cotton wool	Cigarette	
	Before (not lighted)	**After** (lighted)
Colour	White	
Smell	No smell	

Table 3

[2 marks]

(ii) Name the substance in the cigarette smoke that changed the colour of the cotton wool in Figure 3b.

_____

[1 mark]

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