

Index No.

DOB

50/1

SCIENCE
PAPER 1

BOARD OF EXAMINATIONS
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2024

SCIENCE
PAPER 1

Time: 40 minutes

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. Answer ALL QUESTIONS.
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	

MARKS



Answer all the questions. Choose the correct answer and write the letter (A, B, C or D) in the answer box.

1. Which of the following helps to kill bacteria?

- A. Antibiotics
- B. Cough syrup
- C. Nasal sprays
- D. Painkillers

☐

2. What is the name of the fourth planet in our system?

- A. Earth
- B. Jupiter
- C. Mars
- D. Venus

☐

3. What is the name of the process when water changes into water vapour?

- A. Condensation
- B. Evaporation
- C. Freezing
- D. Melting

☐

4. Which of the following human organs are damaged by cigarette smoking?

- A. Lungs, heart, hairs and mouth.
- B. Lungs, mouth, throat, heart, and gum.
- C. Lungs, throat, mouth, heart, and ears.
- D. Lungs, gum, rectum, heart, and eyelashes.

☐

5. The _____ is the female part of the flower.

- A. petal
- B. pistil
- C. sepal
- D. stamen

☐

6. Amir's project is to build a raft. He have done some research on what material best used to build his raft. His findings are collected into Table 1 below.

	MATERIAL A	MATERIAL B	MATERIAL C	MATERIAL D
Is it strong?	Very strong	Strong	No	Yes
Is it flexible?	A little	A little	Yes	Yes
Does it float?	No	Yes	Yes	No
Is it hard?	Very hard	Hard	No.	No

Table 1

Which of the following materials above best represent wood?

- A. Material A.
- B. Material B.
- C. Material C.
- D. Material D.

☐

7. Figure 1 show the life cycle of a mung bean.

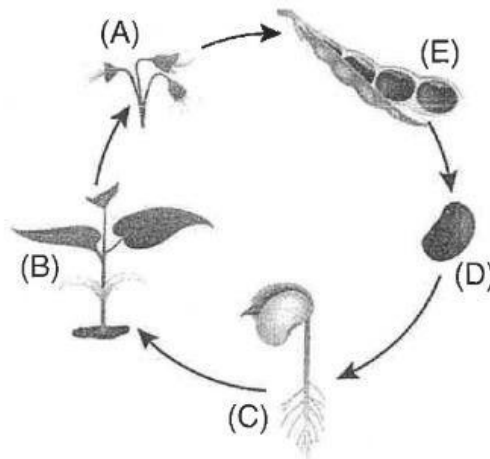


Figure 1

Which of the following statements best represent the life process at (A)?

- A. The mung bean flower will grow into fruits.
- B. The mung bean will produce more flowers.
- C. The adult mung bean plant will produce flowers.
- D. The mung bean seedlings will grow into an adult plant.

☐

8. Which of the following best represent contents X in Figure 2 below

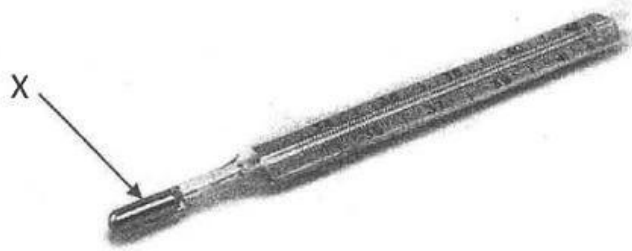


Figure 2

- A. Alcohol
B. Mercury
C. Oil
D. Water
9. Milah sneezed next to you without covering her mouth. How could you avoid catching flu?
- A. Let her borrow your toys.
B. Play close game with her.
C. Share your lunch with her.
D. Wash your hands with soap and water.
10. Which of the following statements about organisms are correct?
- I. They can grow.
II. They can reproduce.
III. They do not respond to changes.
IV. They need air, food, and water to survive.
- A. 1 and 2 only.
B. 3 and 4 only.
C. 1, 2, and 4 only.
D. 1, 2, 3, and 4.



11. Study Table 2 below.

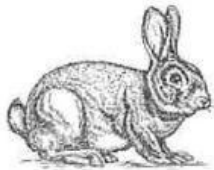
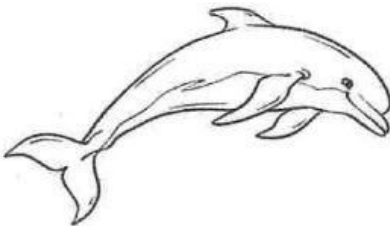
Group Y	Group Z
	
	
	

Table 2

Which of the following are suitable headings for Group Y and Group Z?

	GROUP Y	GROUP Z
A	Animals with feathers	Animal without feathers
B	Can fly	Cannot fly
C	Give birth to young	Lay eggs
D	Birds	Insects



12. Wahid push the box towards the end of the table as shown in Figure 3. The box stops at position X. Then, he put a carpet on the table and repeat the same test. The box stops at position Y.

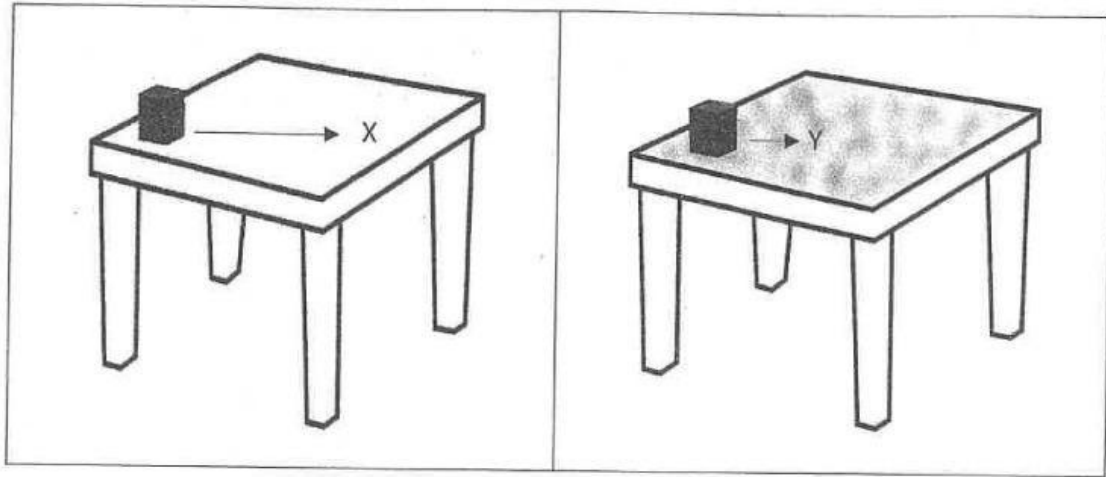


Figure 3

What is the explanation for the above observation?

- A. The friction is greater on the carpet.
- B. The friction is less on the carpet.
- C. The friction is the same on the carpet.
- D. The friction is greater on the wood.



13. Study the diagram in Figure 4 below.

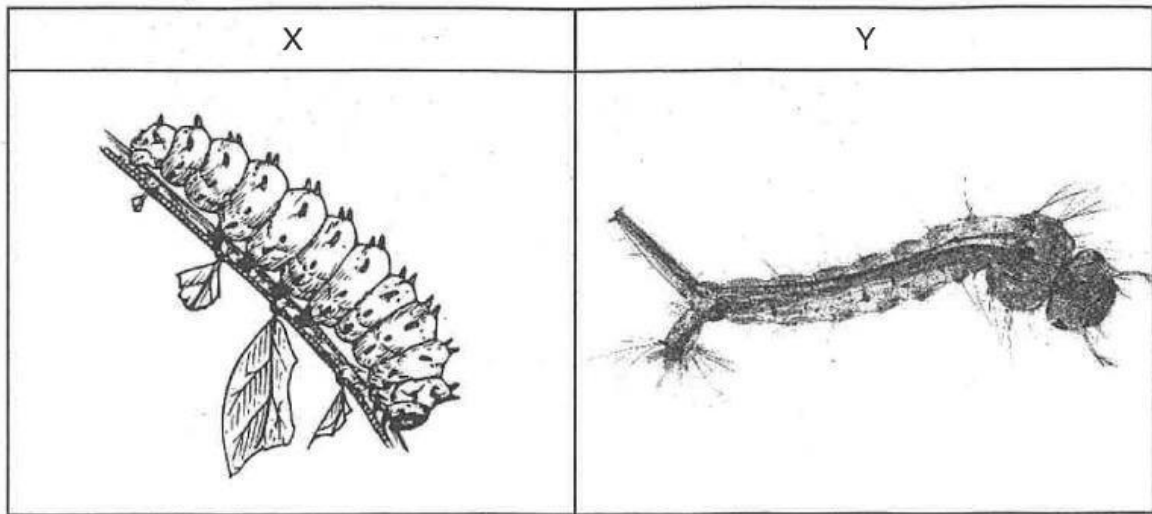
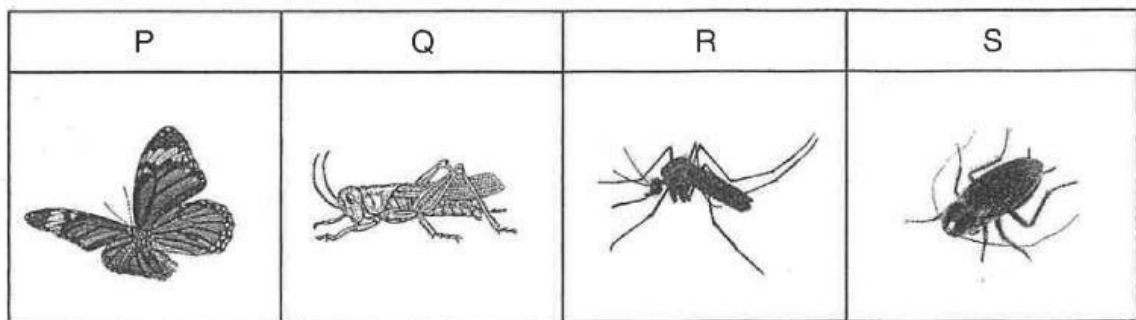


Figure 4



Which of the following are correct when X and Y become adults?

	X	X
A	P	Q
B	P	R
C	Q	R
D	R	S



14. Figure 5 shows Adnan and his friends are running on the school track.

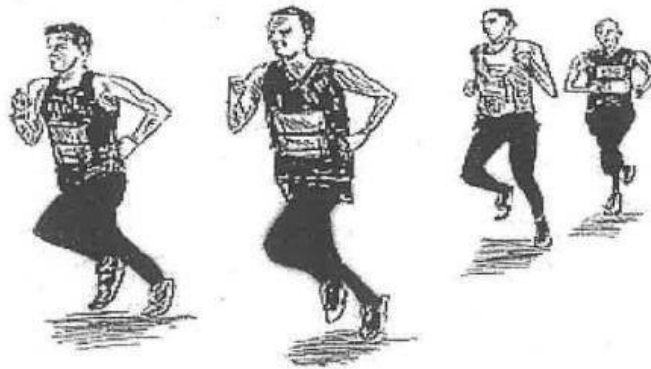


Figure 5

Which of the following system is at work when Adnan runs?

	BODY SYSTEMS				
	Skeletal	Transport	Muscular	Digestive	Breathing
A		✓	✓	✓	
B	✓	✓	✓		✓
C		✓	✓	✓	
D		✓			✓



15. Rabiatul just ate a plate of fried rice and two cups of cendol for lunch. Figure 6 shows the amount of undigested food entering the mouth, stomach, small intestine, and large intestine in her digestive system. The organs are not arranged in order.

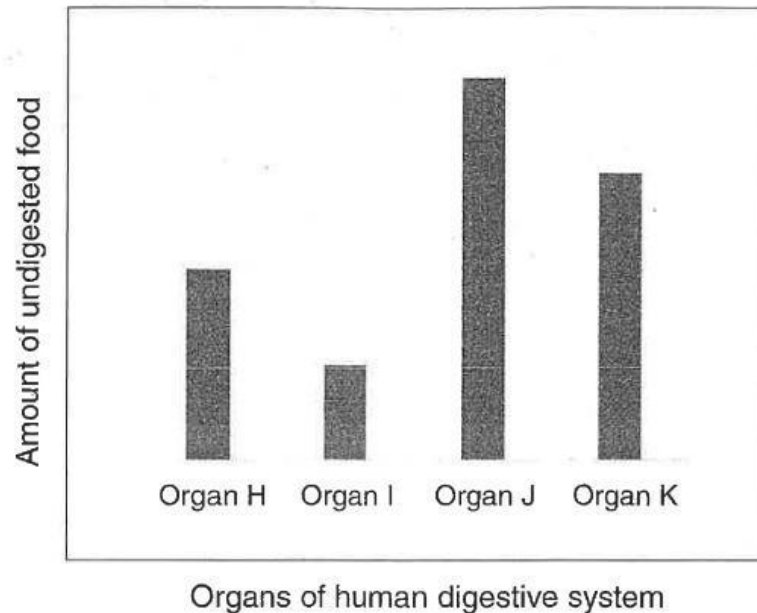


Figure 6

Which organs represents the mouth?

- A. Organ H.
- B. Organ I.
- C. Organ J.
- D. Organ K.



16. Figure 7 shows an old weight scale.



Figure 7

Which of the following best represents the type of simple machine that it uses?

- A. Gears.
- B. Inclined plane.
- C. Lever.
- D. Wheel and axle.

☐

17. Study the statement below and choose the best answer to represent the definition of an environment.

i.	Environments are the place where only humans can live.
ii.	Environments consist of everything that surrounds the organism.
iii.	Environment is part of a system that makes up our home.
iv.	Environment includes the space, the habitat and other organisms that live there.

- A. i and iii only.
- B. ii, iii, and iv only.
- C. i, ii, and iii only.
- D. ii and iv only.

☐


18. Which of the following statements best explains how machine reduces the amount of work required?

- A. By increasing the effort needed.
- B. By increasing the distance over which force is applied.
- C. By decreasing the force required.
- D. By decreasing the efficiency of tasks.

☐

19. How do medicinal drugs differ from harmful drugs in terms of their impact on personal health?

	Medicinal drugs	Harmful drugs
A	Always have side effects.	Do not have side effects.
B	Prescribed by doctors.	Are often illegal.
C	To treat illness and improve health.	Cause addiction and long-term health problems.
D	Are always more expensive.	Are cheaper.

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20. Figure 8 shows three identical balls. All three balls were placed at different distances in front of a screen. A light source is switch on and the shadows of the balls were casts on the screen.

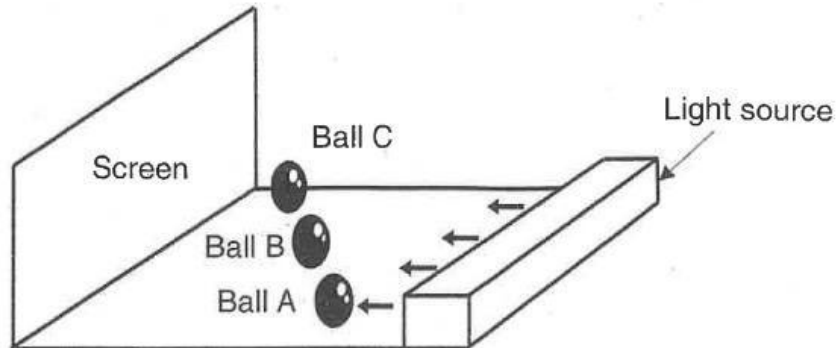
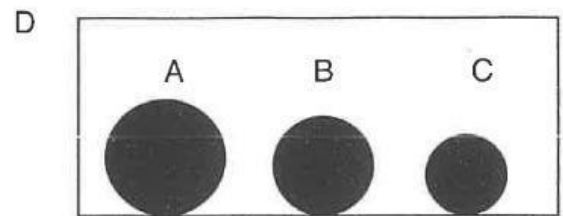
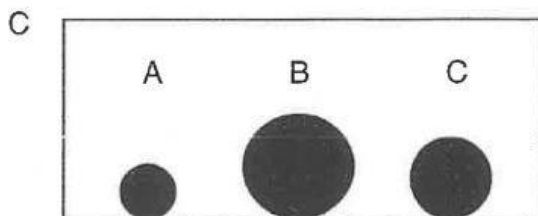
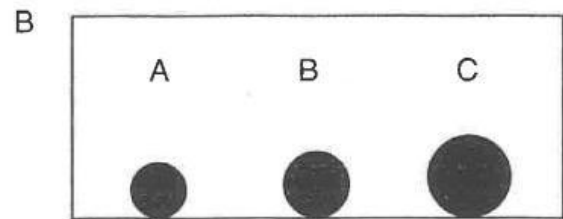
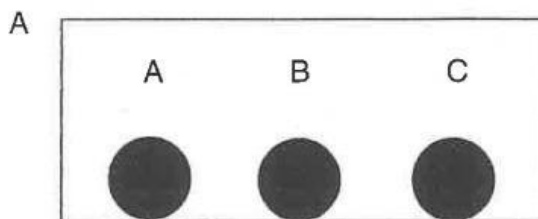


Figure 8

Assuming the balls do not block one another, which of the following diagrams below correctly shows the diagram of Ball A, B and C on the screen.



21. Study the flowchart at Figure 9.

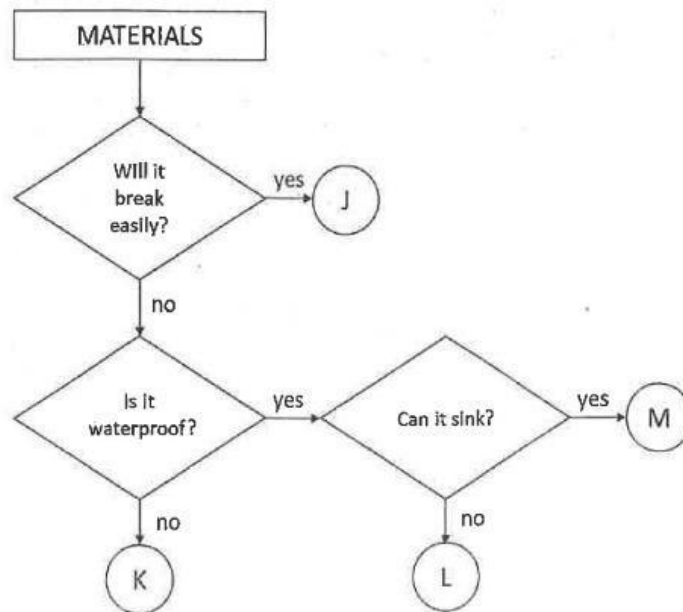


Figure 9

Which of the following materials is the most suitable for making a toy boat that can float on water and is safe for a child to play with?

- A. J
- B. K
- C. L
- D. M



22. Jason is thinking on how to make the bulb brighter in the circuit as shown in Figure 10.

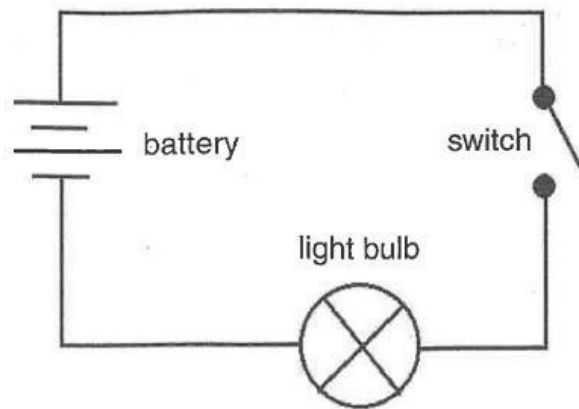


Figure 10

Jason says, "I think if the batteries are increased, the bulb will be brighter." What kind of statement has Jason made?

- A. A conclusion.
- B. A measurement.
- C. A prediction.
- D. An observation.



23. Figure 11 shows a chameleon.

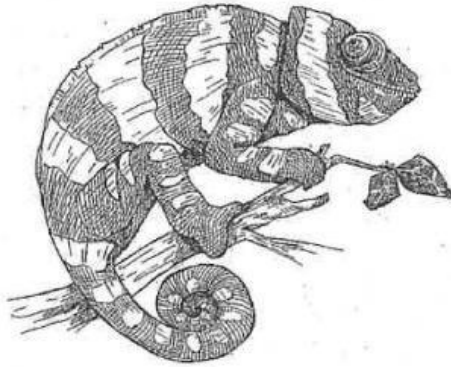


Figure 11

Which of the following statements best describe the reason why chameleon need to adapt to its surroundings.

- A. Its body can help it to swim faster.
- B. Its body contain toxins to help defend itself.
- C. Its body can bloat up to make it look bigger.
- D. Its body helps it to camouflage from predators.

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24. Which material would be best for the purpose of making bouncy ball as shown at Figure 12?

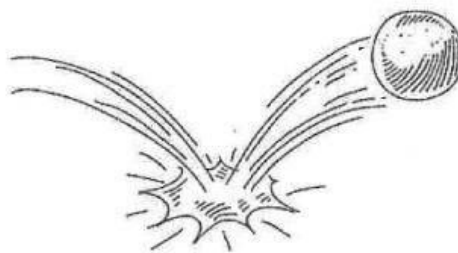


Figure 12

- A. Glass.
- B. Rubber.
- C. Metal.
- D. Wood.

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