

إهداء  
من سلسلة كتب المعاصر  
هدية مجانية غير مخصصة للبيع



# SCIENCE

Final Examination Models

By A Group of Supervisors

on First Term 2025

طبقاً لمواصفات الورقة الامتحانية



**AL TALABA BOOKSTORE**

For printing, publication & distribution

El Faggala - Cairo - Egypt

Tel.: 02/ 259 340 12 - 259 377 91

E-mail: info@elmoasserbooks.com

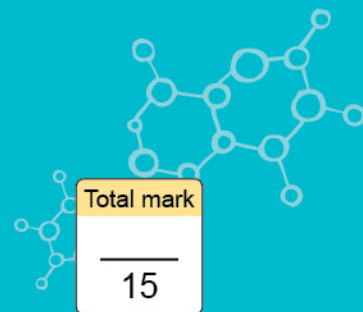
www.elmoasserbooks.com

15014

4<sup>th</sup>  
Primary

FIRST TERM

# Model Exam 1



## 1 (A) Choose the correct answer :

(5 marks)

- The main control center of the human body is .....  
a. brain.                      b. blood.                      c. lungs.                      d. stomach.
- The ability to do work or make change is .....  
a. speed.                      b. work.                      c. displacement.                      d. energy.
- Bull shark can hunt in .....  
a. fresh water only.                      b. salt water only.  
c. fresh and salt water.                      d. water and air.

## (B) Compare between :

| Point of comparison | Fennec fox | Arctic fox |
|---------------------|------------|------------|
| Shape of ears :     | .....      | .....      |

## 2 (A) Cross out the odd word :

(5 marks)

Small intestine – Stomach – Trachea – Large intestine.

(.....)

## (B) Mention one function of the following :

- The spinal cord in the human body.

.....  
.....

- The special cane used by a blind person.

.....  
.....

## 3 (A) Put (✓) or (X) :

(5 marks)

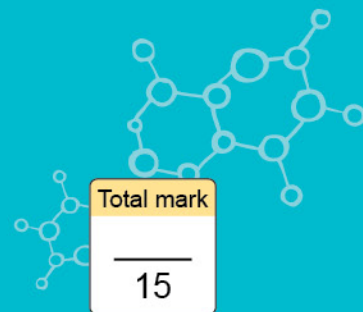
If two objects travel for equal periods of time, the object that travels a greater distance has a slower speed.

( )

## (B) Complete the following sentences :

- Among safety equipment used during collision of cars ..... and .....
- Echolocation property is used by some animals such as ..... to locate their .....

# Model Exam 2



## 1 (A) Put (✓) or (X) :

(5 marks)

1. In a complete dark room, you can use the senses of touching, tasting, smelling and hearing only. ( )
2. The desert lizard blend in with large green trees, to hide from its enemies. ( )
3. The gravity force causes decreasing the speed of falling object. ( )

## (B) What happens if ... ?

The diaphragm moves downward during inhalation.

## 2 (A) Cross out the odd word :

(5 marks)

Panther chameleon – Fennec fox – Bull shark – Agama lizard. (.....)

## (B)

### 1. Classify the following materials into opaque objects and transparent objects :

(Wood – Air – Water – Metal)

| Opaque objects | Transparent objects |
|----------------|---------------------|
| .....          | .....               |
| .....          | .....               |

### 2. Mention an example of behavioral adaptation in acacia tree.

## 3 (A) Correct the underlined word :

(5 marks)

Gills are unique behavioral adaptation that allow fish to breath under water.

(.....)

## (B)

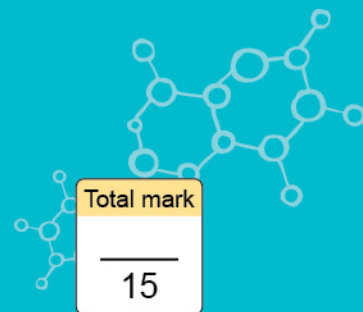
### 1. Solve the following problem :

Two cars start to move at same time in 20 seconds, car (a) covers 100 m when car (b) covers 300 m. Which car moves faster ?

### 2. Give a reason for the following :

Arctic fox has a thick fur coat.

# Model Exam 3



- 1 (A) Choose from column (B) what suits it in column (A) :** (5 marks)

| (A)                                                | (B)               |
|----------------------------------------------------|-------------------|
| 1. Humans get energy from                          | a. gravity force. |
| 2. The force that attracts bodies toward the Earth | b. kapok tree.    |
| 3. Grow in Amazon rainforest                       | c. pine tree.     |
|                                                    | d. food           |

1. .... 2. .... 3. ....

- (B) Give a reason for the following :**

Mirror can reflect the light better than a painted surface.

.....

- 2 (A) Arrange the following organs during exhalation process :** (5 marks)

Trachea – Nose – Blood vessels – Two bronchi – Alveoli.

.....

**(B)**

- 1. Solve the following problem :**

Find the speed of a runner, if you know that he covers 300 meters in 30 seconds.

.....

- 2. What happens if ... ?**

The length of acacia taproot doesn't exceed 3 meters downward.

.....

- 3 (A) Correct the underlined word :** (5 marks)

When you turn on a radio, the electrical energy changes into light energy.

(.....)

**(B)**

- 1. Compare between :**

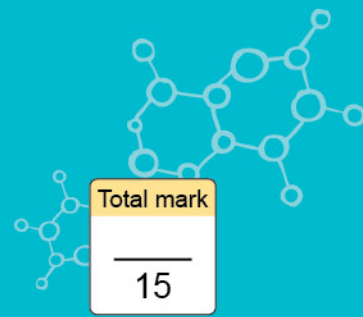
| Point of comparison | Structural adaptation | Behavioral adaptation |
|---------------------|-----------------------|-----------------------|
| Definition :        | .....                 | .....                 |
|                     | .....                 | .....                 |

- 2. Write the scientific term for the following :**

It is the visible form of energy.

(.....)

# Model Exam 4



**1 (A) Complete the following sentences using the words between brackets :**

**(5 marks)**

**(gills – bats – straight)**

1. The kapok tree spreads the smell of its flowers to attract .....
2. Light travels in ..... lines.
3. Fish use ..... to breathe in water.

**(B) Write the scientific term of the following :**

Animals that are active at night look for food. (.....)

**2 (A) Cross out the odd word :**

**(5 marks)**

Wood – Air – Water – Lenses. (.....)

**(B)**

**1. Give an example for the following :**

Pushing force.

.....  
.....

**2. Give a reason for the following :**

The speed of a car decreases when the brakes are applied.

.....  
.....

**3 (A) Put (✓) or (X) :**

**(5 marks)**

Mangrove trees adapt to resist the water through their short, strong roots. ( )

**(B) What happen if ...?**

1. Increase the number of fire extinguishers on the car.

.....  
.....

2. You let the ball of Newton's cradle move towards the rest of balls.

(according to the change of energy)

.....  
.....

15

(5 marks)

- ### Structural adaptation of panther chameleon.

(5 marks)

(.....)

A deer runs a distance of 200 meters in 5 seconds. Calculate its speed.

Humpback whales sing underwater.

(5 marks)

( )

**(Fishing cat – Dolphin – Owl – Bat)**

Saliva is not secreted during digestion process.

# Answers

## of Model Exams



# SCIENCE

By A Group of Supervisors

**4<sup>th</sup>** Primary  
FIRST TERM

### Model Exam 1

- 1 (A) 1. a 2. d 3. c

(B)

| Point of comparison | Fennec fox         | Arctic fox |
|---------------------|--------------------|------------|
| Shape of ears :     | Extra - large ears | Short ears |

- 2 (A) Trachea (all items are organs of digestive system, except trachea is an organ of respiratory system).
- (B) 1. It carries messages from the brain to the body parts and vice versa.
2. Its vibrations tell the blind person the direction of the obstacles and objects around him.

- 3 (A) (x)

- (B) 1. airbags – seatbelts.
2. bats – preys.

### Model Exam 2

- 1 (A) 1. (✓) 2. (x) 3. (x)

- (B) The size of chest increases, the air rich in oxygen gas enters the lungs.

- 2 (A) Bull shark (all items live on land, while bull shark lives in water).

(B) 1.

| Opaque objects      | Transparent objects |
|---------------------|---------------------|
| • Wood.<br>• Metal. | • Air.<br>• Water.  |

2. It produces a poison.

- 3 (A) structural adaptation

- (B) 1. - Speed of car (a) =  $\frac{\text{Distance}}{\text{Time}}$
- $$= \frac{100}{20} = 5 \text{ m/sec.}$$
- Speed of car (b) =  $\frac{\text{Distance}}{\text{Time}}$
- $$= \frac{300}{20} = 15 \text{ m/sec.}$$
- So, car (b) moves faster than car (a).
2. To keep its body warm in extreme cold climate.

### Model Exam 3

- 1 (A) 1. d 2. a 3. b

- (B) Because the mirror has more smooth and shiny surface than the painted surface.

- 2 (A) Blood vessels → Alveoli → Two bronchi → Trachea → Nose.

- (B) 1. Speed =  $\frac{\text{Distance}}{\text{Time}}$

$$= \frac{300}{30} = 10 \text{ m/sec.}$$

2. It cannot reach to water in dry season, and cannot survive.

- 3 (A) Sound.

(B) 1.

| Point of comparison | Structural adaptation                                                         | Behavioral adaptation                                                            |
|---------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| Definition :        | It is a change in the body structure of a living organism to help it survive. | It is a change in the behaviors or acts of a living organism to help it survive. |

2. Light energy.

### Model Exam 4

- 1 (A) 1. bats.

2. straight
3. gills

- (B) Nocturnal animals.

- 2 (A) Wood (all items are transparent objects, except wood is an opaque object).

- (B) 1. A man pushes a wheelbarrow.
2. Due to the friction force.

- 3 (A) (x)

- (B) 1. The speed of car will increase and the distance that it moves will increase.
2. The potential energy changes into kinetic energy.

### Model Exam 5

- 1 (A) 1. c      2. b      3. c  
(B) It has V-shaped feet and a tail like a hand.

- 2 (A) nervous system.  
(B) 1.  $\text{Speed} = \frac{\text{Distance}}{\text{Time}} = \frac{200}{5}$   
= 40 m/sec.  
2. To communicate with each other.

- 3 (A) (✓)

- (B) 1.

| Animals have super sight sense | Animals have super hearing sense |
|--------------------------------|----------------------------------|
| Owl – Fishing cat.             | Bat – Dolphin – Owl.             |

2. The food will not be soft and the digestion process will be difficult.