EL-MOASSER
SERIES

SCIENCE

By A Group of Supervisors



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المعاصر
غير مخصصة
للبيع

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طبقا لأحدث مواصفات الورقة الامتحانية

Model Exam 1

Total mark

20

Question 1

5

(A) Put (✓) or (X) :

Objects are pushed away of each other due to gravity. ( )

(B) Give reasons for :

1. Paper clips are pulled toward the magnet.

.....

2. Occurrence of the cycle of seasons.

.....

3. Water that forms the hydrosphere is one of the renewable resources on Earth.

.....

4. We must conserve fresh water.

.....

Question 2

5

(A) Correct the underlined word :

The only star in the solar system is the Earth. (.....)

(B) What happens if … ?

1. There is no gravity on Earth.

.....

2. A metal ball and feather are fallen down from the same height.

.....

3. Plants can't get carbon dioxide gas from air.

.....

4. A trash dump is established near a tributary that is connected with a river.

.....

Question 3

5

(A) Choose the correct answer :

1. The planets revolve around the Sun in fixed ..... orbits.

   a. oval b. irregular c. rectangular d. triangular

2. Gravity depends on the ..... of a body.

   a. speed b. mass c. length d. age

(B) What is meant by (Define) :

1. Force : .....
2. Geosphere : .....
3. Tributaries : .....

Question 4

..... / 5

(A) Complete the following sentences :

1. Solar system includes ..... and eight ..... revolve around it.
2. A conestellation consists of a group of ..... that forms a pattern.

(B) Mention one example for each of the following :

1. Saltwater lake in Egypt : .....
2. Factor affecting resource sustainability : .....
3. Celestial body revolves around Earth : .....

Model Exam 2

Total mark ____ 20

Question 1

..... / 5

(A) Choose the correct answer :

Day and night phenomenon occurs due to the rotation of Earth around .....

a. the Sun. b. its axis. c. the moon. d. the solar system.

(B) Compare between :

1. Friction and magnetism (concerning the definition)

Friction	Magnetism
.....	.....
.....	.....

2. Rotation and revolution (concerning definition - example)

P.O.C	Rotation	Revolution
a. Definition :	.....	.....
b. Example :	.....	.....

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3. Salt water and fresh water (concerning percentage - examples)

P.O.C	Salt water	Fresh water
a. Percentage :	.....	.....
b. Examples :	.....	.....

4. A Wetland and an estuary (Concerning type of water - Location)

P.O.C	A wetland	An estuary
a. Type of water :	.....	.....
b. Location :	.....	.....

Question 2

..... / 5

(A) Put (✓) or (✗) :

Gravity affects only the moving objects but doesn't affect the objects at rest. ( )

(B) Give reasons for :

1. The force of gravity has an important role in the solar system.

.....

2. The Sun appears as it moves across the sky.

.....

3. We should turn off water during washing dishes.

.....

4. Our planet looks like a blue marble from the space.

.....

Question 3

..... / 5

(A) Complete the following sentences using the words below :

(air resistance - force - friction)

1. The force that slows the movement of objects across solids, liquids or gases is called .....
2. The force that opposes the movement of objects as they pass through air is called .....

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(B) What happens ...? :

1. To the shadow of an object, if the Sun locates at east or west in the sky.

.....

2. To animals that live in lakes, if lakes dry up.

.....

3. If the quality of fresh water becomes poor.

.....

Question 4

..... / 5

(A) Write the scientific term of each of the following :

1. It is a group of stars, planets and gases held together by gravity.

(.....)

2. The moon phase at which moon seems completely bright. (.....)

(B) What is the importance of :

1. Water for life:

.....

2. Plant and animal products:

.....

3. Binoculars and telescopes:

.....

Model Exam 3

Total mark 20

Question 1

..... / 5

(A) Correct the underlined word :

Air resistance speeds up an object as it falls. (.....)

(B) What happens ...?

1. To planets, if the gravity of the Sun disappears.

.....

2. If Earth doesn't rotate on its axis.

.....

3. To the state of water, when it is subjected to extreme cold weather.

.....

4. If the river water meets the sea water.

.....

Question 2

..... / 5

(A) Put (✓) or (✗) :

The solar system includes the Sun and Earth only. ( )

(B) Mention :

1. The factors affecting the gravitational force.
   a. ..... b. .....
2. Two examples (types) of biomes.
   a. ..... b. .....
3. Two sources of salt water.
   a. ..... b. .....
4. Two phases of the moon.
   a. ..... b. .....

Question 3

..... / 5

(A) Read the following statements, then classify them according to the effect of gravity on them in the table below :

1. A pencil rolling on a table.
2. A ball thrown up into the air.
3. A car moves along a straight road.
4. A paper airplane is thrown through the air.

Gravity will cause a change in direction	Gravity will not cause a change in direction
.....	.....
.....	.....
.....	.....

(B) Give reasons for :

1. Starfish cannot live in ponds.

   .....

2. Factories built near tributaries may cause water pollution.

   .....

3. You always land on the ground when you jump up.

   .....

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Question 4

..... / 5

(A) Complete the following sentences :

1. The orbiting of Earth around the Sun is called ....., while the spining of Earth on its axis is called .....
2. Stars seem bright because they are made up of .....

(B) What is meant by (Define) :

1. Biosphere :

.....

2. Preservation :

.....

3. Earth's axis :

.....

Model Exam 4

Total mark

20

Question 1

..... / 5

(A) Put (✓) or (✗) :

If two objects don't touch each other, there is no gravity between them. ( )

(B) What happens ...?

1. If the mass of the moon becomes twice its real mass.

.....

2. If the skydiver opens his parachute during landing.

.....

3. To green plants in abyssal zones of oceans.

.....

4. To water of small ponds during summer.

.....

Question 2

..... / 5

(A) Complete the following sentence :

Location of ..... in the sky during the year, helps us to determine ..... on Earth.

(B) Give reasons for :

1. The gravity between two objects is affected by the distance between them.

.....

2. All objects have gravity.

.....

3. Most of fresh water on Earth can't be used for drinking.

.....

4. Scientists tend to preserve freshwater sources on Earth.

.....

Question 3

..... / 5

(A) Write the scientific term of each of the following :

1. The force by which metals are attracted or pulled to a magnet.

(.....)

2. A phenomenon takes place in oceans and seas due to gravity of moon.

(.....)

(B) What is meant by :

1. Biome :

.....

2. Watershed :

.....

3. Air resistance :

.....

Question 4

..... / 5

(A) Choose the correct answer :

1. When half of Earth faces the Sun, so it has ..... and the other half has .....

   a. day - day. b. night - day. c. day - night. d. night - night.

2. Jupiter is a ..... and it has ..... of rotation on its axis.

   a. moon - highest speed b. planet - lowest speed

   c. star - lowest speed d. planet - highest speed

(B) Mention one example for each of the following :

1. Freshwater lake in Egypt :

.....

2. Way of conservation of water :

.....

3. Constellation :

.....

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Model Exam 5

Total mark

20

Question 1

5

(A) Write the scientific term of each of the following :

The tool that is used by skydiver to slow his drop. (.....)

(B) Give reasons for :

1. Water can affect nonliving things like rocks.

.....

2. Wastewater engineers test the treated water.

.....

3. Gravity of the Earth is greater than gravity of the moon.

.....

4. Half of Earth appears dark at night.

.....

Question 2

5

(A) Choose the correct answer :

The Earth rotates ..... on its axis.

a. clockwise
b. counterclockwise
c. from north to south
d. from south to north

(B) What happens ...?

1. To water, if it is collected in a low-lying area.

.....

2. To clear water, if it mixed with small amount of mud.

.....

3. If the gravity of Earth is a repulsion force not an attraction force.

.....

4. To half of Earth, when it faces the Sun.

.....

Question 3

..... / 5

(A) Put (✓) or (✗) :

1. Force is the reason of motion of any body. ( )
2. The gravity of the Sun causes the revolution of the Earth around the moon. ( )

(B) Compare between :

1. Ponds and streams (according to water movement).

.....

2. Salmon and salamanders (according to water body they live in).

.....

3. Earth's rotation and Earth's revolution (according to the duration to complete one cycle).

.....

Question 4

..... / 5

(A) Put (✓) or (✗) :

1. In the early morning, the Sun would be above you in the center of the sky. ( )
2. Earth revolves around the Sun in a fixed path. ( )

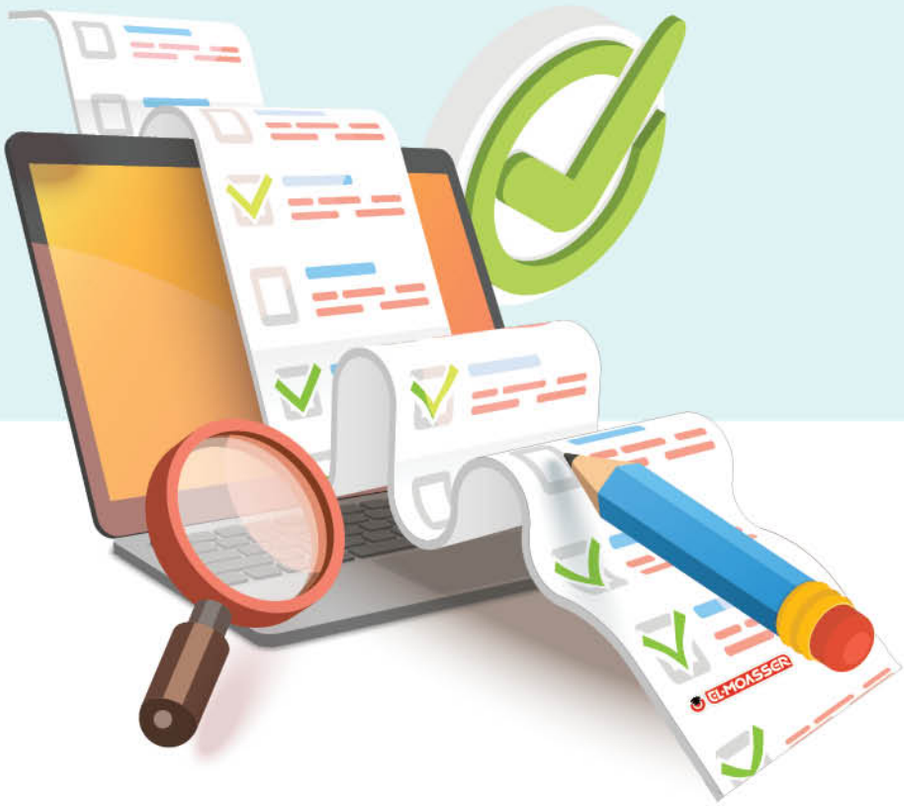
(B) Correct the underlined word :

1. Aquatic ecosystem can be classified into Savannah ecosystem and saltwater ecosystem. (.....)
2. The amount of saltwater on the Earth is smaller than the amount of freshwater. (.....)
3. The phenomenon of four seasons occurs due to rotation of Earth on its axis. (.....)

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Answers

of Model Exams



SCIENCE

5th Primary

SECOND TERM

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Model Exam 1

1 (A) (✗)

(B) 1. Due to the force of magnetism.

2. Due to the revolution of Earth around the Sun.

3. Because water can be replaced in nature through water cycle.

4. Because there is a limited amount of fresh water on Earth.

2 (A) Sun.

(B) 1. All objects on its surface will float off into space.

2. The metal ball will reach the ground first.

3. They will not be able to make their food by photosynthesis process.

4. The litter of the trash dump will be blown into the water of tributary then into the river causing water pollution.

3 (A) 1. a 2. b

(B) 1. It is a pull or a push that is applied to an object.

2. It is the system that includes rocks, soil, sand, ... etc.

3. They are small water bodies such as small creeks or streams that flow into bigger rivers.

4 (A) 1. Sun – planets

2. stars

(B) 1. Lake Bardawil.

2. Overpopulation or pollution.

3. The moon.

Model Exam 2

1 (A) b

(B) 1. Friction and magnetism

Friction	Magnetism
It is a force that opposes the motion of a body across a solid surface or through a gas or a liquid.	It is the force of attraction or repulsion between two magnets or between a magnet and an object.

2. Rotation and revolution

P . O . C	Rotation	Revolution
a. Definition:	It is the spinning of an object around an axis.	It is the orbiting of an object around another object.
b. Example:	Earth rotates on its axis.	Earth revolves around the Sun in an orbit.

3. Salt water and fresh water

P . O . C	Salt water	Fresh water
a. Percentage:	- It forms about 96.5 % of water on Earth.	- It forms about 3.5 % of water on Earth.
b. Examples:	- It is found in oceans, seas, gulfs (bays) and some lakes.	- It is found in rivers, rainwater, groundwater and most of lakes.

4. A wetland and an estuary

P . O . C	A wetland	An estuary
a. Type of water	Fresh water.	Salt water mixes with fresh water.
b. Location	Land partially covered with water.	Where a river meets a sea or an ocean

2 (A) (✗)

(B) 1. Because gravity between the Sun and objects in the solar system keeps the planets revolve in fixed orbits.

2. Due to the rotation of Earth on its axis.

3. To conserve fresh water.

4. Because about 71% of Earth is covered by water.

3 (A) 1. friction. 2. air resistance.

(B) 1. The shadow of the object will be the longest.

2. They have to adapt to the changes that happen, or they will die.

3. It leads to death of living organisms and extinction of some species live in fresh water.

4 (A) 1. Galaxy. 2. Full moon.

(B) 1. a. Humans and animals drink water to survive.

b. Plants need water to grow.

c. Some animals and plants live in water.

2. Clothes are made from plant such as cotton and animal products such as wool of sheeps.

3. They are used to see distant celestial objects in more details.

Model Exam 3

1 (A) slows

(B) 1. They will leave their orbits and float off into space.

2. Phenomenon of day and night will not happen.

3. It will be changed into solid state (ice).

4. An estuary is formed.

2 (A) (✗)

(B) 1. a. The mass of objects.

b. The distance between them.

2. a. Deserts. b. Oceans.

3. a. Oceans. b. Seas.

4. a. Full moon.

b. New moon

3 (A)

Gravity will cause a change in direction	Gravity will not cause a change in direction
2. A ball thrown up into the air.	1. A pencil rolling on a table.
4. A paper airplane is thrown through the air.	3. A car moves along a straight road.

(B) 1. Because starfish can survive only in salt water, while the type of water in ponds is fresh water.

2. Due to factories waste that causes water pollution.

3. Because Earth pulls you by the effect of gravity.

4 (A) 1. revolution – rotation.

2. hot gases.

(B) 1. It is the system that includes all living organisms such as humans, plants, animals, ... etc.

2. It means restricting access (control reaching) of humans to the natural resources or using them.

3. It is an imaginary line passing through the North pole and South pole of Earth.

Model Exam 4

1 (A) (✗)

(B) 1. The gravitational force between Earth and the moon increases, so the moon comes closer to Earth and it might crash into Earth.

2. The speed of skydiver decreases gradually due to the air resistance.

3. Green plants cannot survive, as they don't receive sunlight which is important for making food in this plants.

4. Water of small ponds evaporates, as the temperature increases in summer.

2 (A) constellations – the main directions

(B) 1. Because when the distance between them decreases, the gravity increases and vice versa.

2. Because all objects have mass.

3. Because most of freshwater on Earth are in the form of frozen water.

4. Because the amount of freshwater is limitted on Earth.

3 (A) 1. Magnetism. 2. Tide.

(B) 1. It is a large area of the world that has similar soil, climate, plants and animals.

2. It is an area of land where water from different sources flows in one direction towards a common location such as a bay or an ocean.

3. It is a force that opposes the movement of an object as it passes through air.

4 (A) 1. c 2. d

(B) 1. Lake Nasser.

2. Turning off water tap during brushing teeth.

3. Constellation Orion.

Model Exam 5

1 (A) Parachute.

(B) 1. Because water can cause weathering and erosion of rocks.

2. To make sure it is safe before it released to rivers and lakes or used by human.

3. Because the mass of Earth is greater than the mass of the moon.

4. Because it doesn't receive sunlight.

2 (A) b

(B) 1. A lake is formed.

2. It will become dirty water.

3. All objects on Earth will move upward away from the Earth's surface.

4. This half will has day.

3 (A) 1. (✓) 2. (✗)

(B) 1. Ponds: still water.
Streams: running water.

2. Salmon: live in streams.
Salamanders: live in ponds.

3. Earth's rotation: one day.
Earth's revolution: one year.

4 (A) 1. (✗) 2. (✓)

(B) 1. freshwater

2. larger than

3. day and night