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Gem



Science

الصف 6 الابتدائى

نماذج امتحانات الأضواء النهائية

الفصل الدراسى الثانى 2024 - 2025

Model (1)

20 Marks

1 (A) Choose the correct answer:

- Most weather phenomena occur in the ..... layer of the atmosphere.

a) troposphere b) mesosphere c) thermosphere d) exosphere

(B) Give a reason for:

1. The regions near the equator have high temperatures.

.....

.....

2. The emperor penguin has thick skin covered with dense feathers.

.....

3. Hot air moves upward above cold air.

.....

4. Farmers resort to developing agricultural methods in the desert environment.

.....

.....

2 (A) Complete the following sentence:

- Soil provides ..... for plant growth.

(B) What happens when..?

1. The cold air is warmed by the effect of solar energy.

.....

2. We move up toward the top of a mountain. "relative to the atmospheric pressure"

.....

3. We move down toward the bottom of a mountain. "relative to the air density"

.....

4. The amount of solar energy that reaches the Earth differs from one place to another.

.....

.....

3 (A) Write the scientific term:

1. The movement of water between different water bodies and the atmosphere. (.....)
2. A type of cats that have long, silky hair with different colors. (.....)

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(B) Answer the following questions:

1. Mention the main processes that affect the water cycle.

.....

.....

.....

2. What are the causes of desertification?

.....

.....

.....

3. Write what you know about humus.

.....

.....

4 (A) Put (✓) or (✗):

1. Soil fertility decreases when the amount of organic matter increases. ( )
2. Sandstorms do not cause any harm to vehicle drivers. ( )

(B) Answer the following questions:

1. The soil can be classified into three types. Mention the three types of soil.

.....

.....

.....

2. Mention one positive effect of volcanic eruptions.

.....

3. Mention two ways to reduce soil erosion.

.....

.....

Model (2)

20 Marks

1 (A) Choose the correct answer:

- Desert plants have thick stems and leaves to ..... .

a) store water
b) keep herbivores away
c) produce seeds
d) increase the rate of water loss

(B) Give a reason for:

1 Decomposers disappear from soil.

.....

2 As moist air encounters the mountains, it rises and condenses, forming clouds. "Mention the name of this phenomenon."

.....

3 The Arctic region is characterized by very cold weather.

.....

4 Desert plants have sharp thorns.

.....

2 (A) Write the scientific term:

- Large areas of land which are formed due to the effect of dry air. (.....)

(B) What happens when...?

1 The sunlight falls very inclined on a certain area.

.....

.....

2 The African penguin migrates to the South Pole.

.....

3 Deforestation and excessive use of pesticides occur.

.....

4 Water vapor condenses in the sky.

.....

3 (A) Put (✓) or (✗):

1 Energy does not transfer during the water cycle in nature. ( )

2 Weather is the atmospheric condition over a long period of time. ( )

(B) What is the importance or function of ...?

1. The soil for living organisms.

.....

.....

2. The anemometer.

.....

3. Genes.

.....

4 (A) Complete the following sentence using the words between brackets:

- Water evaporates from plant leaves during the ..... process.

(cellular respiration – transpiration)

(B) Answer the following:

1. Floods cause many damages. Mention one of them.

.....

2. Mention the two factors that determine the direction of the wind.

.....

.....

3. Mention two challenges that birds face during their migration journey.

.....

.....

4 Imagine there is a water pond in a desert area and another in a cold region. Both ponds are exposed to sunlight with the same intensity . Which one has a higher evaporation rate?

.....

.....

Model (3)

20 Marks

1 (A) Choose the correct answer:

- Which of the following is not a weather factor? ..... .

a) Temperature
b) Earthquake
c) Air pressure
d) Wind

(B) Give a reason for:

1 Sandy soil does not retain water for a long time.

.....

2 The difference in atmospheric pressure from one region to another on the Earth's surface.

.....

.....

3 The clay soil has the ability to retain water.

.....

4 Birds migrate from one place to another.

.....

.....

2 (A) Complete the following sentence using the words between brackets:

- ..... roots in desert plants help in absorbing the maximum amount of groundwater.

(Short – Long)

(B) Answer the following questions:

1 What happens when the minerals in soil settle down to the lower layers?

.....

2 Mention some devices that can be used to carry measuring instruments high into the atmosphere.

.....

3 Mention the three main processes that affect the water cycle.

.....

.....

.....

4 Mention examples of the water reservoirs on Earth.

.....

3 (A) Correct the underlined word:

- Water moves from the oceans to the air through runoff process. (.....)

(B) What happens .....?

1. When water vapor in air hits a cold glass of juice.

.....

2. If water and light are not available "relative to plants".

.....

.....

3. If a bog contains sand soil in a larger amount than clay soil . "relative to the water storage ".

.....

.....

4 (A) Cross out the odd word:

- Its color is yellow. / Its particles retain water. / Its particles are large in size. / It has high porosity.

(.....)

(B) Answer the following:

1. What is meant by convection?

.....

.....

2. Compare between air currents and wind.

Air currents	Wind
.....	.....

3. Arrange the following according to size of particles "in ascending order":

(sand soil – clay soil – silt soil)

.....

Model (4)

20 Marks

1 (A) Write the scientific term:

- It is the process in which matter changes from gaseous state to liquid state. (.....)

(B) Answer the following questions:

1. If you have two plants, one placed in the shade and the other in the sun, which plant transpires at a higher rate?

.....

2. Mention the factors affected by elevation above sea level.

.....

.....

.....

3. List the factors that may affect the plant during photosynthesis process.

.....

.....

4. Compare between organic materials and non-organic materials of the soil with giving examples.

Points of comparison	Organic materials	Inorganic materials
Definition	....	....
Examples	.....	.....

2 (A) Correct the underlined word:

- The cell nucleus helps in <u>digestion</u>. (.....)

(B) What is the meaning of...?

1. Transpiration process.

.....

2. Climate.

.....

3. Migration.

.....

.....

4. Soil.

.....

3 (A) Put (✓) or (✗):

1. Smoking is a bad lifestyle choice. ( )
2. Water heats up faster than sand. ( )

(B) Give a reason for ....:

1. Ice forms on mountain tops.

.....

2. The genetic factors make the Dorcas deer adapt and survive in desert environment.

.....

3. The soil has important role in the environment.

.....

.....

4 (A) Choose the correct answer:

1. When a liquid is heated, it will ..... and become less dense and ..... .

a) expand – heavier b) contract – lighter

c) expand – lighter d) contract – heavier

2. What types of plants are likely to grow in dry, porous soil?

a) Shrubs. b) Tall tree. c) Ferns. d) Algae.

(B) Mention the importance of:

1. Weather radar.

.....

.....

2. Stomata.

.....

.....

3. Weather maps.

.....

Model (5)

20 Marks

1 (A) Choose the correct answer:

- Any ecosystem contains biotic factors such as ..... .

a) plants b) air c) water d) soil

(B) Mention the importance of:

1 Rain gauge.

.....

2 Convection currents.

.....

.....

3 Floods.

.....

4 Genes.

.....

2 (A) Complete the following sentence:

- ..... and ..... processes occur as a result of water particles losing thermal energy.**(B)**

What happens when..?

1 A plant doesn't receive enough light in its environment.

.....

2 Sanitation services are not available in the environment.

.....

3 The Earth's temperature increases. "relative to the effect on soil"

.....

4 Boiling water in a pot on the stove "concerning the movement of hot water and cold water".

.....

3 (A) Write the scientific term:

1 Spaces exist between soil particles and are filled with water or air. (.....)

2 Living organisms help in recycling nutrients from dead plants and animals back to the soil.

(.....)

(B) Give a reason for:

1. Poison dart frog has colorful poisonous skin.

.....

2. Large trees don't grow in grassland ecosystem.

.....

3. Although volcanic eruptions have destructive effects, they may also have some benefits.

.....

4 (A) Correct the underlined words:

1. Minerals are the building units of <u>plants</u>. (.....)
2. In the water cycle, the step that follows condensation process is <u>runoff</u> process.

(.....)

(B) Answer the following questions:

1. What is the difference between soil in bogs and desert in holding water?

Bogs soil	Desert soil
.....	.....

2. Mention three ways to reduce water pollution.

.....

.....

.....

3. What is the meaning of Meteorology?

.....