نماذج امتحانات النخبة

طبقاً لمواصفات الورقة الامتحانية

بنك اسئلة Science

الفصل الدراسي الثاني-2026

Science



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Primary

First Test

Question (1) :

✍ Correct the following statement:

Migration is a structural adaptation as animals move from one place to another.

.....

✍ Give reason

1. The weather in the Arctic region is very cold.

.....

2. Groundwater flows from high-altitude areas to low-altitude areas.

.....

3. Young rabbits resemble their parents.

.....

4. Decomposers play a crucial role in the ecological balance in the ecosystem.

.....

Question (2) :

✍ Write down what the phrase indicates:

1. The building units of rocks. (.....)

✍ Compare between:

1. Evaporation and condensation by definition.

.....

2. Thermometer and barometer.

.....

3. Biotic and abiotic factors.

.....

4. Clay soils and sandy soils in terms of water retention.

.....

Question (3) :

✍ Complete the following statements:

1. factors such as water and air, are main factors for adaptation in a biotic community.
2. The young sphinx cat inherits a …… trait from her fathers.

✍ What happens when:

1. Heating liquid or gas.

……

2. The flow of water over the river bank and from there to the surrounding lands……

3. Follow a diet that contains a large amount of French fries and food drinks……

Question (4) :

✍ Choose the correct answer:

1. ……is an important stopover for millions of migratory birds every year in Egypt.

ⓐ Red Sea ⓑ Mediterranean Sea
ⓒ Indian Ocean ⓓ Pacific Ocean

2. …… has one of the most extreme environments on earth.

ⓐ Rivers ⓑ Deserts ⓒ Oceans ⓓ Coasts

✍ What are the consequences of:

1. The sun's rays fall perpendicular to a small area.

……

2. The occurrence of long periods of dry weather with insufficient amounts of water available to humans, plants and animals.

……

3. The numbers of a particular organism in natural habitats are exaggerated.

……

Second Test

Question (1) :

✍ Correct the following statement:

Minerals and organic matter make up about a quarter of most soils.

✍ Give reason:

1. Floods cause damage to buildings.

……

2. The oceans help in improving the world's climate.

……

3. The plants of the Western Desert in Egypt have thick stems and leaves.

……

4. Clay soils retain water well.

……

Question (2) :

✍ Write down what the following statement indicates:

Spaces in the soil between the molecules that are filled with air or water.

(……)

✍ Compare:

* Particles of sand, clay and silt in size.

……

* Flood and drought.

……

* Berman cat and Pharaonic cat.

……

* structural and behavioral adaptation

……

Question (3) :

✍ Complete the following statements:

1. Swamp soils are …… All the time.

2. The rock building unit is .....

✍ What happens when:

1. A predator enters to an environment.

.....

2. Increased light intensity relative to the plant.

.....

3. Moist air collides with mountains.

.....

Question (4) :

✍ Choose the correct answer:

1- The source of minerals in the soil is .....

ⓐ humus ⓑ rocks ⓒ water ⓓ air

2- The adaptation of organisms to the environment leads to.....

ⓐ their extinction ⓑ their survival

ⓒ decreasing their numbers ⓓ their migration

✍ What are the consequences of:

1. Invasive organisms entering a natural habitat.

.....

2. Soil drainage.

.....

3. Sudden melting of snow and ice in an area.

.....

Third Test

Question (1) :

(A) Complete the following statement using words between brackets:

Plant growth is affected by ..... intensity. (light – soil)

(B) Give reasons for:

1. The type of soil varies from one environment to another.

……

2. The anemometer has a great importance.

……

3. The arctic fox has thick fur.

……

4. The atmosphere at the equator is very hot.

……

Question (2) :

(A) Put (✓) or (✗):

1. Deforestation is from causes of desertification. ( )

(B) Correct the underlined word:

1. Birds migration is considered a structural adaptation. (……)
2. During condensation process, energy gain occurs. (……)
3. Rain gauge is used in measuring temperature. (……)
4. Sand soil can retain large amount of water. (……)

Question (3) :

(A) Write the scientific term:

1. The characteristics that living organisms inherit from their parents. (……)
2. The loose layer which covers the Earth's crust. (……)

(B) What happens when …?

1. Water vapor in air condenses in the sky.

……

2. The gas is cooled and changed into a liquid.

……

3. Very strong wind blow, carrying sand and dust.

……

Question (4) :

(A) Choose the correct answer:

1. ..... is one of abiotic factors.

ⓐ Plants ⓑ Animals ⓒ Air ⓓ Human

2. The sand soil is characterized by ..... color.

ⓐ gray ⓑ red ⓒ white ⓓ yellow

(B) Compare between each of the following :

1\

P.O.C.	Sand soil	Clay soil
Size of particles :	a.	b. .....

2\

P.O.C.	Rain gauge	Anemometer
Importance :	a.	b. .....

3\

P.O.C.	At the top of mountain	At the bottom of mountain
Atmospheric pressure	a.	b. .....

(C) Mention one of natural factors that destroy habitat.

.....

فريق أساتذة النخبة

First Test

Question (1) :

Migration is behavioral adaptation as animals move from one place to another

*Give reason

1- because sunrays fall very inclined and faraway from equator, the sun rays are distributed on a very large area giving the lowest effect of heat.

2- Due to gravity force which pulls water downward.

3- Because they inherit genetic traits from their parents during reproduction.

4- Because They clean the environment by decomposing the dead organisms. They return back nutrients into the ecosystem again.

Question (2) :

*Write down what the phrase indicates

1. Minerals

(1)

Evaporation	Condensation
It is the process in which matter changes from liquid state to gas state.	It is the process in which matter changes from gas state to liquid state.

(2)

Comparison	Thermometer	Barometer
Definition	It is used to measure the temperature.	It is used to measure the atmospheric pressure.

(3)

Comparison	Biotic Factors	Abiotic Factors
Definition	They are living organisms in an ecosystem such as humans, animals, and plants.	They are nonliving things in an ecosystem such as sunlight, air, water, soil, and temperature.

(4)

Comparison	Clay Soil	Sand Soil
Water Retention	Large	Small

Question (3) :

*Complete

1- Abiotic 2- genetic

*What happen:

1- Its particles move faster, it expands and its density decrease.

2- Flood is happen.

3- It leads to health problems such as: high blood pressure and heart disease.

Question (4) :

* Choose:

1-a 2-b

*What are the consequences of…

1- The Sun rays are concentrated on a small area, giving a high effect of heat, so the weather is hot.

2- It leads to drought, which causes plants to die, harms animals, and causes water shortages for humans.

3- It leads to less food, water, shelter, and space for other organisms that live in the same habitat.

Second Test

Question (1) :

Correct the following statement:*

Minerals and organic matter make up about half (50%) of most soils.

*Give reason

1- Because the strong flow of water exerts a great force and pressure that causes damage to buildings.

2- Because they absorb a large amount of solar radiation and distribute heat through ocean current.

3- To store water for long periods and survive.

4- Because clay soil is made of very small, tightly particles with very tiny pores which make it difficult for water to drain quickly.

Question (2) :

*write down what the following statement indicates Pore spaces

*compare

Comparison	Sand	Clay	Silt
Size of particles	Large	Medium	Small

Flood	Drought
It is the increase in the flow of water over the edges of riverbanks and onto the land around a river.	It is the shortage of water that is available for drinking, growing crops, farming animals, and industry.

Birman cat	Sphynx cat (Pharaonic)
It has long, silky hair with different colors.	It doesn't have any hair or may have only very fine hair.
A Birman kitten inherits the trait of long silky hair from its parents.	A Sphynx kitten inherits the trait of a hairless body from its parents.

Structural adaptation	Behavioral adaptation
It is the adaptation that is related to 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.

Question (3) :

* Complete

1- wet 2- mineral

*What happen

1- A predator will hunt preys leads to decrease in preys population.

2- It leads to growth of plants.

3- The air rises and cools and water vapor condenses form clouds so the precipitation occurs.

Question (4) :

1- b 2- b

*What are the consequences of

1- The Invasive species kill off native plants and animals that already live in this area

2- it removes excess water from the soil which improves aeration and prevent waterlogging helping most plants grow better

3- it will causes flooding

Third Test

Question (1) :

1\(A)light

(B)

1. Due to the effect of climate and types of rocks found in this soil.
2. Because it measures the wind speed.
3. To keep its body warm at low temperatures of weather.
4. Because the sun rays fall perpendicular on Earth's surface giving high effect of heat.

Question (2) :

(A)(✓)

(B)1. behavioral 2. lose

3. Thermometer 4. Clay

Question (3) :

(A) 1. Hereditary traits. 2. Soil.

(B) 1. Clouds are formed in the sky.

2. Condensation process occurs.

3. Sandstorm occurs.

Question (4) :

(A) 1. c 2. d

(B) 1\ a. Large. b. Small.

2\a. It measures the amount of rain in a certain area.

b. It measures the wind speed.

3\a. Low. b. High.

(C) Hurricanes.