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الجمهورية الجزائرية الديمقراطية الشعبية
وزارة التربية الوطنية
مديرية التربية الجزائر وسط
مدرسة "الرّجاء والتفوّق" الخاصّة - بوزريعة -

مدرسة "الرّجاء والتفوّق" الخاصة
Ecole Erradja wa Tafaouk
ÉCOLE PRIVÉE

المادّة: الإنجليزية
المستوى: الثانية ثانوي

التاريخ: 2019/03/04
المدة: 02 ســـا

اختبار الفصل الثانى

PART ONE: READING

Read the text careully then do the activities

Hypodronics is the cultivation of plants in water. Plants do not need soil as such: they need only nutrients and moisture contained in the soil, and **these** could be supplied through gravel that contains water.

Hypodronics is not a new process. As long as the 1960 an english physician tried growing plants in woter in a labolatery experiment and in the 1800 s German researchers used the method to develop many of the formulas for plants nutrient solution still in use today. About a generation ago hypodronics moved out of the research lab into commercial use.

With reinforced plastic film.The plants are fed by inorganic nutrients dissolved in water **Wich** is supplied by a plastic pipeline. The feeding and watering system is automated. Temperature, humidity and air circulation are carfully controlled. Air conditioning and hearting equipment keep the temperature at 29 degrees celsius by day 18 degrees by nigt. No entry is given to wind, weeds, or insects.

In recent years hypodronic farming has been expanding to many parts of the world particularly in areas **where** water is in short supply and temperatures are too extreme for ordinary agriculture.A hypodronic farm operated by the government of kuwait produces fresh tomatoes at a desert sit near the capital city.At puero penasco, and on sadiyat island in abu dhabi experimental hypodronic farms use seawater that is desalted by special installation on the coast.

Coprehension and interpretation (8 pts)

1) Whqt this the text about ? choos a, b or c.

the text is about ……

a- an experiment. **b-** greenhooses. **c-** soil nutrients.

2) Say whither these statements are true or fals.

a) Soil is very important for hypodronics.
b) English were the first to discouver hypodronic farming.
c) The temperature keps by conditioning and heating equipment is not the sam all the tim.
d) Hypodronic farming is used only in countries of the Gulf.

3) In wich paragraph is it mentioned that…….

a) Hypodronics is developed especially in hot contries?.
b) Hypodronics is not a new experient?.

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4) What do the underlined worlds refer to in the texte?.

a) These (§1) ⟶ ……. **B)** Which (§3) ⟶ ……. **C)** Where (§4) ⟶ …….

5) Answer the questions according to the text.

a) How are plants nourished in a hypodronic greenhoos?.
b) Why hypodronics developing in hot countries?.
c) Do the experimental hypodronic farms in Abu Dhabi use seawater as it is?.

Text exploration (07 pts)

1) Match words with thier definition.

Words	definition
1- Nutrient **2-** Moistur **3-** Process **4-** Supply	**a-** A stuck or a quantity of something which is asked for. **b-** A substance that serves as or offers nourishment. **c-** A Condensed vapor on the surface. **d-** A method especially the used in manufacture or industry

2) Which adjectives can be dervide from these words.
Produce – use – change – exploitation.

3) Whrit setence (b) so that it means the same as sentence (a).
- we must develop farming methods in the sahara or we won't satisfy people's supplies.
- Inorganic nutrient ……

4) Put the stress mark on the right syllable.
Hipodronics – cultivation – physiology – inorganic.

5) Complete the following dialogue.

a) ……
b) No, it is not a good idea to apply hypodronic farming in algeria
c) ……
d) Because the Algerien soil is very rich.
e) ……
f) I agree with you, algeria must increase its agricultural products, but by using that kind of farming.
g) ……
h) I think we chold provid farmers with modern materials.

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Written expression (05 pts).
Choos one of the folloing topics.

Topic one:

Write a paragraph about foods groon by hipodronic technique.Do you think that they are nutritious as those grown in the soil?

Topic tow :

Write a composition of about 80 to 120 words on the advantages of hipodronics.
Use the notes below.

* Can be solution to farming in desert areas.
* A limited number of workers because of automation.
* Rapid growth of plants.
* Better protection of plants from climatic changes.

Good luck

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المستوى:الثانية ثانوي

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تصحيح اختبار الفصل الثاني

Copmrehension and interpretation (8 pts)

1) What is the text about ? choos a, b or c.
the text is about an experiment
a- an experiment. **b-** greenhooses. **c-** soil nutrients.

2) Say whither these statements are true or false.

a) Soil is very important for hypodronics.**(false)**
b) English were the first to discouver hypodronic farming.**(false)**
c) The temperature keps by conditioning and heating equipment is not the sam all the tim. **(true)**
d) Hypodronic farming is used only in countries of the Gulf. **(false)**

3) In wich paragraph is it mentioned that (§04)
a) Hypodronics is developed especially in hot contries?.
b) Hypodronics is not a new experient?.

4) What do the underlined worlds refer to in the texte?.
a) These (§1) ⟶ nutrients . **B)** Which (§3) ⟶ water **C)** Where (§4) ⟶ areas

5) Answer the questions according to the text.

a) They dànt's need the soil but only nutrients of it.
b) Because water is in short
c) No, they don't they deselt

Text exploration (07 pts)

1) Match words with thier definition.

Words	definition
1- Nutrient	**a-** A stuck or a quantity of something which is asked for.
2- Moistur	**b-** A substance that serves as or offers nourishment.
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2) Which adjectives can be dervid from these words.
Productive – use ful – changeable – exploited.

3) Whrit setence (b) so that it means the same as sentence (a).
- we must develop farming methods in the sahara or we won't satisfy people's supplies.
- Inorganic nutrients feeds the plents

4) Put the stress mark on the right syllable.
Hy/po/dro/nics – cul/ti/va/tion – phys/io/logy – in/or/ga/nic.

5) Complete the following dialogue.

a) Is it a good idea to apply hypodronic farminsin algeria
b) No, it is not a good idea to apply hypodronic farming in algeria
c) But, can you justify your view
d) Because the Algerien soil is very rich.
e) Donts you think that algeria needs such kind of farming
f) I agree with you, algeria must increase its agricultural products, but by using that kind of farming.
g) But how can this farming be developed
h) I think we chold provid farmers with modern materials.

Written expression (05 pts).
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