

מועד ב

סוג הבחינה: בגרות
מועד הבחינה: קיץ תשפ"א, 2021, מועד ב
מספר השאלון: 016582

אנגלית

שאלון ז'

(MODULE G)

גרסה א'

הוראות לנבחן

- א. משך הבחינה: שעה וארבעים וחמש דקות.
- ב. מבנה השאלון ומפתח ההערכה: בשאלון זה שני פרקים.
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|-----------|---|-------------|---|------------|
| פרק ראשון | – | הבנת הנקרא | – | 60 נקודות |
| פרק שני | – | משימת כתיבה | – | 40 נקודות |
| | | | – | סך הכול |
| | | | – | 100 נקודות |
- ג. חומר עזר מותר בשימוש: אחד המילונים או אחת המילוניות מן הרשימה שבאתר הפיקוח על הוראת האנגלית ובאתר של אגף הבחינות במשרד החינוך.
- נבחן "עולה חדש" רשאי להשתמש גם במילון דו-לשוני: אנגלי-שפת אימו / שפת אימו-אנגלי. השימוש במילון אחר טעון אישור של הפיקוח על הוראת האנגלית.
- ד. הוראות מיוחדות:
- עליך לכתוב את כל תשובותיך בגוף השאלון (במקומות המיועדים לכך).
 - כתוב את כל תשובותיך באנגלית ובעט בלבד.
 - כתוב את הנוסח הסופי של מטלת הכתיבה בעמוד 9. אם תצטרך, תוכל להשתמש גם בעמוד 10.
 - בתום הבחינה החזר את השאלון למשגיח.
- הערה: על כתיב שגוי יופחתו נקודות מן הציין.
- שים לב: אין להוסיף דפים למחברת הבחינה.

ההנחיות בשאלון זה מנוסחות בלשון זכר ומכוונות לנבחנות ולנבחנים כאחד.

בהצלחה!



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PART I: WRITTEN RECEPTION (60 points)

(ACCESS TO INFORMATION FROM WRITTEN TEXTS)

Read the article below and then answer questions 1-8.

FARMS OF THE FUTURE?

- I** Take the elevator down to the basement of an old factory in Liverpool, England, and suddenly you enter a different world: There in front of you are long green walls of lettuces and herbs, all growing one above the other in 3-meter high towers that have been placed side by side. The vegetables are being grown in small quantities of water to which the necessary nutrients have been added. Light is provided by special low-cost electric lighting. Jens Thomas and Paul Myers, the two scientists who set up the Liverpool project, believe that farms like this in city buildings could play an important role in the future of agriculture.
- II** In the USA and Asia, entrepreneurs are planning to develop urban farms on rooftops and in empty rooms in office buildings. Like Thomas and Myers, they see such farms as a way of meeting the rising demand for food as the world's population increases. There is considerable evidence that conventional farming methods will not be able to meet that demand. According to a report by the Food and Agricultural Organization of the United Nations (FAO), overuse of chemicals has led to a deterioration in the quality of existing farmland. Within just a few years, the report notes, over 25% of the fields will be unsuitable for growing crops.
- III** Some experts believe that solutions will soon be available. "Robots are currently being developed that will significantly increase the amount of crops being sent to market," says agronomist Greg Dillinger. "Unlike older farm machines, they can pick fruit and vegetables without crushing them." In addition, he says, robots are being introduced that can deliver the exact amount of chemicals needed by crops, thereby preventing further damage to farmland. As for urban farms, Dillinger does not believe they could have a significant role in preventing a food crisis: "Small quantities of a few crops is all they will ever be able to provide."

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IV Not surprisingly, advocates of urban farming reject the criticism. "Almost anything can be grown on these farms," says Robert Jackson, a student working at the Liverpool project. "But it makes sense to grow crops like lettuce, which rot quickly. In fact, some 30% of lettuce grown on conventional farms don't even reach the shops for this reason. Our solution means a much shorter distance to consumers' tables." Conventional farms, admits Jackson, will always be our main source of crops. Nevertheless, he is optimistic that urban farms will eventually provide a wide enough range of vegetables to make a useful contribution to the food supply.

QUESTIONS (60 points)

Answer questions 1-8 in English according to the article. In questions 1, 3, 6 and 8, circle the number of the correct answer. In the other questions, follow the instructions.

1. What are we told about the lettuces and herbs grown in the factory basement? (paragraph I)

- i) Why they were chosen for the project.
- ii) What enables them to grow there.
- iii) What nutrients they need there.
- iv) How they are being studied.

(6 points)

2. What do we learn about Thomas and Myers from paragraph I?

COMPLETE THE SENTENCE.

We learn why they

(7 points)

3. What do the two scientists and the entrepreneurs mentioned in lines 5-10 have in common?

- i) They run successful projects.
- ii) They have set up projects in several countries.
- iii) They have the same goal.
- iv) They have tried conventional farming methods.

(6 points)

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4. What do we learn from the FAO report? Give ONE answer from lines 10-14.

COMPLETE THE SENTENCE.

We learn why (8 points)

5. How can the new robots described by Dillinger help prevent a food crisis? Give TWO answers from paragraph III.

COMPLETE THE ANSWERS.

(1) By

(2) By (2x7=14 points)

6. In Dillinger's opinion, urban farms (-). (paragraph III)

- i) should use more advanced technology
- ii) should only grow a limited number of crops
- iii) can't avoid using chemicals
- iv) won't have much effect on the food supply

(6 points)

7. According to Jackson, why is it important to have a "shorter distance to consumers' tables" (lines 25-26)?

COMPLETE THE ANSWER ACCORDING TO PARAGRAPH IV.

Because there are crops that (7 points)

8. What does Jackson explain about urban farms? (paragraph IV)

- i) Which conventional farming methods they should adopt.
- ii) What role they could play in the future.
- iii) What consumers think of them.
- iv) How they will help develop new types of vegetables.

(6 points)

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PART II: WRITTEN PRODUCTION (40 points)

(WRITTEN PRESENTATION)

Write 120–140 words in English on the following topic.

8. Should schools give more lessons on environmental issues?

Write a composition stating and explaining your opinion.

בהצלחה!

Use this page and the next (pages 7–8) for writing a rough draft.

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