GuyAI
מבית GOOL בגרויות

סוג הבחינה: בחינת גמר ממלכתית
מועד הבחינה: קיץ 2024 מועד א'
סמל השאלון: 99911
שם התלמיד/ה: _____

# אנגלית

## מכינה טכנולוגית · מכינה טכנולוגית

## הוראות

**א.** משך הבחינה: שלוש שעות.

**ב.** מבנה השאלון ומפתח ההערכה: בשאלון זה ארבעה חלקים: חלק א' - הבנת הנקרא - 35 נקודות חלק ב' - הבנת הנקרא - 25 נקודות חלק ג' - אוצר מילים וכתיבת משפטים - 24 נקודות חלק ד' - הוראות - 16 נקודות

**ג.** חומר עזר מותר בשימוש: מילון דו-לשוני (אנגלית - שפת אם) רגיל או אלקטרוני. המילון יהיה ללא חומר האסור בשימוש או אפשרות לגלישה באינטרנט. חל איסור להשתמש בתרגומון מכל סוג שהוא (לדוגמא: קוויקשנרי).

**ד.** הוראות מיוחדות: הוראות מיוחדות: 1. יש למלא את כל הפרטים הנדרשים בדף המקדים המצורף לשאלון זה. 2. תשובות יש לכתוב רק בתוך שאלון זה ולא במחברת בחינה, גם אם ניתנה לכם. הוראות כלליות: 1. יש לקרוא בעיון את ההנחיות ואת השאלות בבחינה, ולוודא שהן מובנות לכם. ניתן לענות על השאלות לפי הסדר הרצוי לכם. 2. יש לכתוב את התשובות בעט כחול או שחור בלבד ובכתב יד ברור. 3. אין לסמן או להדגיש תשובות במרקר. 4. אין לתלוש דפים משאלון הבחינה.

השאלות בשאלון זה מנוסחות בלשון רבים, אף על פי כן על כל תלמידה וכל תלמיד להשיב עליהן באופן אישי.

## בהצלחה!

# השאלות

**1.** Part I - READING COMPREHENSION (A)

Read the following passage carefully and answer the questions in English. (35 points)

קראו את הקטע שלפניכם וענו על השאלות שאחריו באנגלית.

## Robots to Fight Loneliness

### I

The number of old people in the world is increasing. Many old people feel lonely. Loneliness can cause poor physical and mental health. Although psychological therapy can help with loneliness, some old people do not have enough money to pay a psychologist, and some cannot leave their homes to go meet with a psychologist.

### II

To help solve the problem of loneliness among old people, an Israeli company, Intuition Robotics, has invented a social robot called ElliQ. ElliQ is a small robot that sits on a table in the old person's house. The robot can talk to the old person, play music, make phone calls or video calls, play word games, and remind the person to take medicine or go to the doctor. When the robot talks to the old person, it lights up and turns its head around to "look" at the person. This makes the person feel like the robot is "alive." The old person interacts with the robot by talking to it or by pushing buttons on a touch screen.

### III

ElliQ is a robot that can learn. Over time, ElliQ learns all about the old person's behavior, habits, interests, and personality. The robot uses this information to help the person. For example, the robot can detect if the person is behaving strangely and can call for medical help. If it sees that the person is sad or lonely, it can decide to start a conversation or call a family member.

### IV

The ElliQ robot is cheap, but there are still old people who cannot pay for it. Therefore, aid organizations in New York decided to give out robots to old people for free. **They** teach the people how to operate the robot and give them technical support at home if the robot stops working. ElliQ may not be suitable for people who want quiet and privacy in their homes. But for many old people, ElliQ is a very useful way to fight the negative results of loneliness.

Adapted from: National Library of Medicine, PubMed Central

Answer the following questions in English. (35 points)

ענו על השאלות הבאות באנגלית.



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**A.** Why is loneliness bad for old people? (paragraph I)

(4 נקודות)

**B.** List two reasons why some old people cannot get the help of a psychologist: (paragraph I)

1. ____

2. ____

(4 נקודות)

**C.** Check (✓) the TWO statements that are true: (paragraph II)

1. ___ ElliQ helps the old person with housework such as washing the dishes and cooking.

2. ___ People who live in small houses cannot have an ElliQ robot because it is too big.

3. ___ ElliQ uses its lights and movements to make the old person feel that it is "alive".

4. ___ If the person wants to talk to family or friends by phone, ElliQ can help make the call.

(8 נקודות)

**D.** List two ways the old person can communicate with ElliQ: (paragraph II)

1. ____

2. ____

(2 נקודות)

**E.** What is the main idea of paragraph III? Circle the correct answer:

a. ElliQ can call for help for the old person if there is a medical emergency.

b. ElliQ can have a conversation with the old person when the person is lonely.

c. ElliQ can help old people change their habits, behaviors, and interests.

d. ElliQ can learn about the person and use this knowledge to help the person.

(4 נקודות)

**F.** Why do organizations in New York give out ElliQ robots for free? (paragraph IV)

(4 נקודות)

**G.** What does the word **They** in line 17 refer to?

(2 נקודות)

**H.** Complete the following sentence: (paragraph IV)

If there are technical problems with the robot, someone can come to the old person's _____ to help solve the problem.

(3 נקודות)



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**I.** Mark the following statement True or False: (paragraph IV) (1+3 points)

(a) Circle the correct answer:

Some people may prefer not to have an ElliQ robot in their homes. TRUE / FALSE

(b) Support your answer from the text:

(4 נקודות)

**2.** Part II – READING COMPREHENSION (B)

Read the following passage carefully and answer in ENGLISH. (25 points)

קראו את הקטע שלפניכם וענו על השאלות שאחריו באנגלית.

## The Amazon Rainforest

### I

The Amazon rainforest is the biggest rainforest in the world. It covers 6.7 million $km^2$, which is twice as big as India. 60% of the Amazon rainforest is in Brazil. In the 1960s, trees in the rainforest started to be cut down, and this is still happening today. Around 1.4 billion trees in the rainforest are cut down every year. The trees are cut down because people want to use the land for farming and raising animals.

### II

Many special kinds of animals live in the Amazon rainforest. For example, the giant otter is an animal that can be found near the Amazon River. Today there are only 2,000-5,000 giant otters left. Another special animal is the gray woolly monkey, which lives in high places in the forest. Today the number of gray woolly monkeys is only half of what it was 50 years ago.

### III

Researchers have found that because there are fewer trees in the rainforest, there is less rainfall in the forest area and there are higher levels of harmful $CO_2$ in air. We must stop cutting down trees in the Amazon rainforest and protect this special treasure.

Adapted from: WWF, Reader's Digest, Smithsonian Magazine

Answer the following questions in English. (25 points)

קראו את הקטע שלפניכם וענו על השאלות שאחריו באנגלית.

**A.** Complete the following sentence: (paragraph I)

The Amazon rainforest is double the size of _____.

(3 נקודות)

**B.** Which country is home to most of the Amazon rainforest? (paragraph I)

(3 נקודות)



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**C.** When did the cutting down of trees in the rainforest begin? (paragraph I)

(3 נקודות)

**D.** What does 1.4 billion represent? Circle the correct answer: (paragraph I)

a. The number of trees that are growing in the Amazon rainforest.

b. The number of people who are living in the Amazon rainforest.

c. The number of trees cut down in the Amazon rainforest every year.

d. The number of trees cut down in the Amazon rainforest in 1960.

(4 נקודות)

**E.** Fill in the following table about animals in the Amazon rainforest: (paragraph II)

| | Animal | Where it lives in the rainforest | The size of the animal population |
|---|---|---|---|
| 1. | ___ | near the Amazon River | ___ |
| 2. | ___ | ___ | half of what it was 50 years ago |

(8 נקודות)

**F.** Mark the following statement True or False: (paragraph III) (1+3 points)

(a) Circle the correct answer:

When trees are cut down, the weather in the rainforest area becomes wetter.

TRUE / FALSE

(b) Support your answer from the text:

(4 נקודות)

**3.** Part III- Vocabulary and Unscrambling Sentences

Total Points: (24 points)

Part A (18 points)

In each question match three items 1-6 to the definitions on the right.

Write the number of the item next to its definition. (3 points each)

בכל שאלה התאימו 3 פריטים 1-6 להגדרות מימין.

כתבו את מספר הפריט ליד ההגדרה שלו. (3 נק' לכל אחד)



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**1.** 1. tool

2. support

3. replace

4. invent

5. challenge

6. source

___ to create a new kind of technology or process

___ to take the place of something else

___ a device that is used to complete a task

(9 נקודות)

**2.** 1. install

2. suggest

3. practice

4. drone

5. harmless

6. customer

___ to offer or to give an idea

___ a person who buys things

___ to do something again and again in order to learn a skill

(9 נקודות)

**4.** Part III- Vocabulary and Unscrambling Sentences

Part B (6 points)

Put the words in the correct order and copy them onto the line below. Pay attention to capitalization and punctuation. (2 points each)

סדרו את המילים בסדר הנכון והעתיקו אותן לשורה למטה. שימו לב לאותיות גדולות ולסימני פיסוק. (2 נק' לכל אחת)

**1.** daily / Old / help with / tasks. / need / people

(2 נקודות)

**2.** for all workers. / important / Communication / are / skills

(2 נקודות)

**3.** increased / Israel / The number / last year. / in / of engineers

(2 נקודות)



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**5.** Part IV – INSTRUCTIONS

Read the questions below and match them to the answers that follow. (16 points)

קראו את השאלות שמופיעות והתאימו אותן לתשובות.

## How to Plant and Maintain a Lawn

Answers:

a. You need to understand the weather conditions in your area and the type of soil you have.

b. It is most effective to water a lawn in the early morning or in the evening.

c. You can step on the grass when it starts growing, but for 6 months you should step on it lightly.

d. Lawns should get around 2.5-3.5 cm of water weekly, and in dry seasons – up to 5 cm a week.\ne. No, leave it a little long because longer grass stays healthier.

f. It usually takes between 10-14 days before the grass begins to grow.

g. No, you should always wait until the grass dries before you cut it.

h. You should clean away all the plants from the area where you want to plant the lawn.

**1.** How should I prepare the ground before I start planting my lawn?

(2 נקודות)

**2.** What do I need to think about when choosing the right kind of grass to plant?

(2 נקודות)

**3.** After I plant the seeds, how long will it take for the grass to start growing?

(2 נקודות)

**4.** When can I start walking on the grass after planting a lawn?

(2 נקודות)

**5.** What time of day is best for watering a lawn?

(2 נקודות)

**6.** How much water does a lawn need every week?

(2 נקודות)

**7.** When I cut the grass, should I cut it very short?

(2 נקודות)

**8.** Is it a good idea to cut the grass right after watering it?

(2 נקודות)

כל מבחני מה"ט עם פתרונות מלאים: www.guyai.co.il/mahat



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