GuyAI
מבית GOOL בגרויות

סוג הבחינה: בחינת גמר ממלכתית
מועד הבחינה: אביב 2026 מועד ב'
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: 1. 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) 2. מונחון 700 מילים של מה"ט. (ניתן גם להשתמש במונחון מהט מתורגם לשפת האם)

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 הבחינה, גם אם המחברת ניתנה לכם. הוראות כלליות: 1. יש לקרוא בעיון את ההוראות וההנחיות 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.

A Filter for Microplastics

I

Today, many of the materials we use are harmful to humans. One of these materials is microplastics. These are tiny pieces of plastic less than five millimeters in length. Microplastics are found in many everyday products such as cosmetics, plastic bags, plastic bottles, and synthetic clothing. Contact with microplastics may increase the risk of heart disease, cancer, and hormone problems in humans.

II

Every year, millions of tons of microplastics reach the environment. One way this happens is through washing machines. There are microplastics in synthetic clothes, and when we wash **them**, microplastics enter the water in the machine. The water from washing machines is often used to water crops. Humans eat the crops, and in this way, microplastics reach their bodies and harm their health.

III

All washing machines have filters. However, their holes are too big to catch tiny microplastics. To help solve the problem of microplastics in washing machines, researchers from Germany have invented a special filter for catching microplastics. The researchers got the idea for the filter from how fish eat. Many fish swim with their mouths open, and water with plankton* enters their mouths. A filtering system inside the mouth keeps the plankton inside and filters out the water. Just like the mouth of a fish, the new filter for microplastics has the shape of a funnel*. A net with very small holes catches the microplastics, and they move down the inside of the funnel, just like plankton move down a fish's mouth. To keep the filter clean, the system frequently cleans out the microplastics from the bottom of the funnel. This is similar to how a fish swallows plankton.

*plankton - פלנקטון - יצור ימי זעיר שמשמש כמזון עבור סוגים רבים של דגים

*funnel - משפך

IV

The new system filters out 99% of the microplastics in a washing machine, and it is cheap to produce because it does not have any complex mechanical parts. Right now, customers can buy the filter and add it to their washing machines. However, the researchers hope that appliance companies will start installing the filter in all their washing machines. This will surely improve everyone's health.

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Adapted from: University of Bonn

Answer the following questions in English. (35 points)

ענו על השאלות הבאות באנגלית.

A. What are microplastics? (paragraph I)

(4 נקודות)

B. Complete the following sentence: (paragraph I)

Cosmetics, plastic bags, and synthetic clothing all have _____ in them.

(3 נקודות)

C. Which three health problems can be caused by microplastics? (paragraph I)

1. ____

2. ____

3. ____

(3 נקודות)

D. What is the **main idea** of paragraph II? Circle the correct answer:

a. Synthetic clothes and other everyday products contain harmful microplastics.

b. Microplastics move from the water in washing machines to crops and so harm humans.

c. Because washing machines use a lot of water and power, they harm the environment.

d. Millions of tons of microplastics are used every year to make synthetic clothing.

(4 נקודות)

E. What does the word **them** in line 6 refer to?

(2 נקודות)

F. Why are regular filters in washing machines not useful for removing microplastics from the water? (paragraph III)

(4 נקודות)

G. Check (✓) the TWO statements that are true: (paragraph III)

1. ____ A filter in a fish's mouth keeps water inside and gets rid of microplastics.

2. ____ The new filter for microplastics works like a fish's mouth.

3. ____ The new filter includes a net with tiny holes to catch microplastics.

4. ____ Microplastics are tiny, so the filter does not need frequent cleaning.

(8 נקודות)

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

(a) Circle the correct answer:

The new filter works well. TRUE / FALSE

(b) Support your answer from the text:

(4 נקודות)

I. How will the new filter reach more people in the future? (paragraph IV)

(3 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.

Too Much Noise

I

Modern cities are very noisy. Noise is not only unpleasant – it is also harmful. Noise above 75 decibels* can cause people stress, sleep problems, and heart disease. In cities, harmful noise comes mainly from transportation. Noise from road traffic, including cars, buses, and trucks, reaches 85 decibels and affects 92 million Europeans. Another kind of transportation noise comes from trains. This noise affects 18 million Europeans and can reach 75 decibels. Airplanes are noisy, too. They can produce 130 decibels and affect 2.6 million people in Europe.

*decibels - דציבלים - יחידה למדידת עוצמת רעש

II

Asia has some very noisy cities. Moradabad, India, and Islamabad, Pakistan are two of the noisiest cities in the world today, but they are not as noisy as Dhaka in Bangladesh. In the past, Chinese cities such as Shanghai were also very noisy, but the situation has improved. For many years, big construction projects were a major source of noise in China's cities. However, many of these construction projects ended in 2020 and noise levels dropped. In addition, in 2024 China installed 32 million square meters of special roads that reduce noise. China was able to make cities quieter. Maybe other countries can do the same.

Adapted from: Iberdrola

Answer the following questions in English. (25 points)

ענו על השאלות הבאות באנגלית.

A. What level of noise can be harmful to humans? (paragraph I)

(3 נקודות)

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B. What kind of transportation noise affects the highest number of Europeans? (paragraph I)

(3 נקודות)

C. Fill in the following table about noise from transportation: (paragraph I)

	Source of noise	Level of the noise	How many people the noise affects in Europe
1.	___	___	million 18
2.	___	decibels 130	___

(8 נקודות)

D. Today, which of these cities is the noisiest? Circle the correct answer. (paragraph II)

a. Islamabad

b. Shanghai

c. Dhaka

d. Moradabad

(3 נקודות)

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

(a) Circle the correct answer:

Construction projects are a major source of noise in China today. TRUE / FALSE

(b) Support your answer from the text:

(4 נקודות)

F. What does **32 million** represent? Circle the correct answer. (paragraph II)

a. The area of the roads China built in 2024 to reduce noise levels

b. The amount of noisy construction projects in China since 2020

c. The number of people who suffer from noise in Chinese cities today

d. The area of China that was affected by noise before 2024

(4 נקודות)

3. Part III- Vocabulary and Unscrambling Sentences

Total Points: (24 points)

Part A (18 points)

In each question match three of 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 שלושה פריטים 1-6 להגדרות מימין.

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

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1. 1. noon

2. consumer

3. desk

4. access

5. average

6. village

___ a person who buys and uses products and services

___ a table that is used for working or studying

___ the middle of the day

(9 נקודות)

2. 1. survey

2. account

3. laugh

4. engine

5. solution

6. compare

___ a machine that makes a vehicle or device move

___ a list of questions that people answer to give information

___ to look at things to see how they are similar or different

(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. a big / about sleep. / My friend / experiment / participated in

(2 נקודות)

2. is / than / driving a car. / Taking the bus / cheaper

(2 נקודות)

3. the salary / want / People / because / to work / in high-tech / is good. / companies

(2 נקודות)

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.5 Part IV – INSTRUCTIONS (16 points)

Read the questions below and match them to the answers that follow. (2 points each)

קראו את השאלות שמופיעות והתאימו אותן לתשובות. (2 נק' לכל אחת)

Preventing Accidents at Home

Answers:

a. Never use damaged electrical cords and ask an expert to check the wiring in your house.

b. Make sure the floor is not messy, and if water spills on the floor, clean it up right away.

c. Put a tall fence around it or keep it covered so no one falls into the water.

d. Install a handrail for people to hold onto as they walk up, and make sure the light is strong.\ne. Use a safe, stable ladder. Never climb on chairs or tables.

f. Avoid putting chairs under the windows so people can't climb up and fall out.

g. Install smoke detectors and fire alarms and test them regularly.

h. Put them in a high cabinet with a lock.

.1 How can I prevent falls in my home?

(2 נקודות)

.2 What should I do if I need to climb up to reach something high?

(2 נקודות)

.3 What is a good way to reduce the risk of fire in my home?

(2 נקודות)

.4 How can I keep medicines away from children?

(2 נקודות)

.5 How can I prevent electrical accidents?

(2 נקודות)

.6 What should I do if the windows in my house are not protected with bars?

(2 נקודות)

.7 How can I make the stairs in my house safe?

(2 נקודות)

.8 What do I need to do if I have a swimming pool?

(2 נקודות)

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

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