GuyAI
מבית GOOL בגרויות

סוג הבחינה: בחינת גמר ממלכתית
מועד הבחינה: אביב 2025 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 הבחינה, גם אם ניתנה לכם. הוראות כלליות: 1. יש לקרוא בעיון את ההוראות וההנחיות בבחינה, לוודא 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.

Electric Roads

I

Electric cars are better than regular cars because they help reduce harmful pollution. However, charging the battery of an electric car is a big problem. There are not enough charging stations, and charging an electric car takes a long time compared to filling a tank of gas. As a result, many people choose to buy a regular car instead of an electric one.

II

A company named Electreon has invented an electric road that can help solve this problem. When an electric car drives on this special road, the road charges the car's battery. These electric roads use a method called "induction charging*," which is already used today for the wireless charging of mobile phones. In electric roads, coils** are placed under the road. The coils are connected to the city's electricity. When an electric car drives over the road, energy from the coils under the road moves through the air to the car's battery. Such roads will hopefully encourage more people to buy electric cars because they will not have to worry so much about charging **them**.

*induction charging - שיטה להטענה אלחוטית

**coils - סלילים

III

Detroit, a city in the United States of America, started to use an electric road in 2023, and Germany is planning to start building them over the next few years. However, building electric roads is very expensive, costing millions of dollars per kilometer. Because of this, cities need to carefully choose where to build them. For example, it can be useful to build electric roads in busy areas where many buses, trucks, and cars drive. This will help increase the number of electric vehicles and will reduce air pollution. Even in the future, because of their high cost, not all roads in a city will be electric. As a result, drivers of electric cars will still need charging stations, but they will not need them as often as today.

IV

If we want to clean up the air in our cities, we need to do much more than install electric roads. However, changing how people travel by using these roads can help us come closer to our environmental goals.

Adapted from: BBC Future

Answer the following questions in English. (35 points)

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ענו על השאלות הבאות באנגלית.

A. Why is it good to have more electric cars on the road? (paragraph I)

(2 נקודות)

B. List two reasons why charging electric cars is a problem for drivers: (paragraph I)

1. ____

2. ____

(4 נקודות)

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

a. Electric cars are becoming more popular because they are good for the environment.

b. A new kind of road uses induction charging to charge electric cars that drive on the road.

c. Induction charging is a method that is already used to wirelessly charge mobile phones.

d. Some people do not drive electric cars because charging the battery is a problem.

(4 נקודות)

D. Which part of the electric road transfers energy to the car's battery? (paragraph II)

(3 נקודות)

E. What does the word **them** in line 11 refer to?

(2 נקודות)

F. Answer the following questions according to paragraph III:

(i) In which country is an electric road already being used today?

(ii) In which country will electric roads be built in the near future?

(4 נקודות)

G. Why isn't it easy to build many electric roads? (paragraph III)

(4 נקודות)

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

1. ____ Choosing to build electric roads in the busy parts of a city is a good idea.

2. ____ Air pollution will decrease only if all the roads in a city are electric.

3. ____ In the future, it will be possible to change all the roads in a city into electric roads.

4. ____ In the future, drivers will use electric charging stations but less often than today.

(8 נקודות)

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

(a) Circle the correct answer:

To solve the problem of pollution, it is enough to just build electric roads. 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.

Cleaning Up Our Oceans

I

Plastic is a serious problem for our oceans. Every year, over 11 million tons of plastic enter the oceans, with 80% coming from polluted rivers. In an area called the Great Pacific Garbage Patch, there are about 2 trillion pieces of plastic weighing 96,000 tons. In the Indian Ocean, the second most polluted ocean, there are about 1.3 trillion plastic pieces weighing 94,000 tons. Plastic in the ocean causes global losses of up to 19 billion dollars yearly.

II

The Ocean Cleanup Project (OCP) is an organization that aims to remove 90% of plastic from the oceans by 2040. The OCP has developed a technology called System 03 for cleaning up the ocean. Every time System 03 is used, it cleans up 10,000 kilograms of plastic. In 2024, 50,000 kilograms of plastic were removed from the North Pacific with the help of System 03. The OCP has developed another system, called the Interceptor, for cleaning up rivers. The OCP has made a list of the 1,000 most polluted rivers in the world. Today the OCP operates Interceptors in eight of the 1,000 rivers on this list. Hopefully, the OCP will continue the important job of cleaning up our oceans.

Adapted from: The Ocean Cleanup

Answer the following questions in English. (25 points)

ענו על השאלות הבאות באנגלית.

A. Where does most of the plastic in oceans come from? (paragraph I)

(3 נקודות)

B. What is the annual cost of plastic pollution to the world's economy? (paragraph I)

(3 נקודות)

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C. Fill in the following table: (paragraph I)

	Ocean area	Amount of plastic	Weight of plastic
1.	The Great Pacific Garbage Patch	___	___
2.	___	About 1.3 trillion plastic pieces	___

(8 נקודות)

D. What does 90% represent? Circle the correct answer. (paragraph II)

a. The percent of plastic pollution that was collected by the OCP in 2024.

b. The percent of plastic in rivers that can be stopped from reaching oceans in 2024.

c. The percent of plastic in oceans that the OCP hopes to clean up by 2040.

d. The percent of plastic that is expected to reach our oceans in the year 2040.

(4 נקודות)

E. How much plastic does System 03 clean up every time it is used? (paragraph II)

a. 3 kilograms

b. 1,000 kilograms

c. 50,000 kilograms

d. 10,000 kilograms

(3 נקודות)

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

(a) Circle the correct answer:

The Interceptor is already used in most of the rivers on the OCP's list. 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 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. schedule

2. prove

3. manual

4. above

5. exterior

6. decrease

___ to show that something is true by giving facts or information

___ to become smaller in size, number, or amount

___ a plan that shows when events or tasks will happen

(9 נקודות)

2. 1. arrive

2. employer

3. recycle

4. hardware

5. disease

6. researcher

___ a person or company that gives people jobs

___ the physical parts of a computer

___ a person who studies something to find new information

(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. grow / every / Beautiful / in my garden / summer. / flowers

(2 נקודות)

2. the park / children / In the afternoon / and mothers. / is filled with

(2 נקודות)

3. can be helpful / language / when you travel. / Knowing / a second

(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)

Taking Care of Mold in Your House

Answers:

a. Every time someone takes a shower, wipe the walls of the bathroom.

b. Use vinegar or liquid soap to wipe away the mold and dry the area well.

c. Make sure not to water the plants too often and put them in a place with enough sunlight.

d. Mold may be growing because there is moisture and not enough fresh air in your home.\ne. Mold can cause health problems such as asthma and can damage walls and furniture.

f. Keep your home dry by fixing water leaks and by keeping the humidity under 60%.

g. Never wipe mold with a dry cloth. Wiping with a dry cloth will create more mold.

h. If you clean up the mold but it continues growing, call an expert to take care of it.

1. Why is there mold on the walls and ceilings of my house?

(2 נקודות)

2. Why is it bad to have mold in my house?

(2 נקודות)

3. How can I prevent mold from growing in my house?

(2 נקודות)

4. What can I do to prevent mold from developing in the bathroom?

(2 נקודות)

5. What is the best way to clean mold if I see it?

(2 נקודות)

6. What should I avoid when I clean mold?

(2 נקודות)

7. What should I do if the mold in my house keeps coming back?

(2 נקודות)

8. How can I prevent mold from growing in the plants in my house?

(2 נקודות)

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

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