GuyAI
מבית GOOL בגרויות

סוג הבחינה: בחינת גמר ממלכתית
מועד הבחינה: אביב 2025 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: 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.

A Smart Cane for Better Walking

I

Many people have trouble walking because of old age or disability. These people's independence is reduced, and they are at high risk of injuries from falling. One common solution is to use a walking cane*. Recently, an engineer named Ahmad Alghazi invented a smart walking cane called the "CAN Go" cane. Alghazi's grandmother had walking problems, and he saw how hard her daily life was. As a result, he started to develop the smart cane.

*cane - מקל הליכה

II

The CAN Go cane is made from strong, light materials, and **it** has several smart features. Inside the cane there are sensors that track* the person's movements. The cane has a SIM card, so it can be used for phone calls instead of a regular phone. It also has an emergency button and GPS. Like a smartphone, the cane gets automatic software updates. Charging the cane is easy: like other devices, the user just plugs it into any electricity socket* at home.

*track - לנטר

*electricity socket - שקע חשמלי

III

Because it is smart, the CAN Go cane can help people with walking problems in special ways. The user can set a walking goal for each day. The sensors in the cane track the number of steps the person takes, and when the goal is reached, a light on the cane turns green. This encourages users of the CAN Go cane to walk more and stay healthy. In addition, the cane can be useful in the case of a fall: the person can push the emergency button and call for help. If the person cannot reach the button, the cane automatically makes the phone call. The GPS in the cane helps emergency services find the person quickly. The GPS is helpful in another way: it allows the user to find the cane if it gets lost.

IV

The CAN Go cane is more expensive than a regular cane, and some people may not be able to afford it. Hopefully, in the future, this problem will be solved, and more people will enjoy this special technology.

Adapted from: Forbes

Answer the following questions in English. (35 points)

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ענו על השאלות הבאות באנגלית.

A. Why may walking be hard for people? List two reasons: (paragraph I)

1. ____

2. ____

(2 נקודות)

B. List two negative results for people who have trouble walking: (paragraph I)

1. ____

2. ____

(4 נקודות)

C. Why did Ahmad Alghazi decide to invent a smart walking cane? (paragraph I)

(4 נקודות)

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

1. ____ The CAN Go cane needs to connect to a regular phone to make phone calls.

2. ____ The CAN Go cane is charged in the same way other electrical devices are charged.

3. ____ The CAN Go cane is able to monitor the person's walking with the help of sensors.

4. ____ The CAN Go cane is very strong because it is made of heavy materials.

(8 נקודות)

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

(2 נקודות)

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

a. The CAN Go cane can be used to call for help in case of an emergency.

b. The CAN Go cane has several benefits for people who have trouble walking.

c. The CAN Go cane encourages people to walk more by helping them set goals.

d. The CAN Go cane is comfortable to use because it is made of strong materials.

(4 נקודות)

G. What happens if the user falls but is not able to push the emergency button? (paragraph III)

(4 נקודות)

H. Which feature makes it easy to find the cane if it gets lost? (paragraph III)

(3 נקודות)

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

(a) Circle the correct answer:

The price of the CAN Go cane is similar to the price of a regular cane. 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.

Wind: A Clean Source of Electricity

I

Wind energy is a type of clean energy that comes from wind. In 2022, wind energy provided 10% of the electricity in the United States. Wind energy became popular in the 1990s, compared to solar energy, which became popular earlier, in the 1980s. However, today, wind energy produces more electricity than solar energy. In 2023, wind energy produced 7.5% of the world's electricity, while solar energy produced 5.5%. Wind energy is cheaper than many other power sources. Since 2009, its cost has gone down by 70%. Today the cost of wind energy is around 30 dollars for every megawatt-hour*, which is cheaper than coal or natural gas.

*megawatt-hour - מגהוואט-שעה - יחידת מידה לאנרגיה

II

Every year in the United States, wind energy reduces the amount of polluting CO2 in the atmosphere by 336 million metric tons. This is the same amount of CO2 that is produced by 73 million cars. Wind energy is also good for employment. Today, around 150,000 people are employed in the wind energy industry in the United States. Experts predict that by 2050, the wind energy industry will create many additional jobs. For all these reasons, wind energy is a smart choice.

Adapted from: U.S. Department of Energy

Answer the following questions in English. (25 points)

ענו על השאלות הבאות באנגלית.

A. How much electricity came from wind in 2022 in the United States? (paragraph I)

(3 נקודות)

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

	Type of energy	When it became popular	How much of the world's electricity it provided in 2023
1.	wind energy	___	___
2.	___	In the 1980s	___

(8 נקודות)

C. What does 70% represent? Circle the correct answer. (paragraph I)

a. The decrease in the price of wind energy since 2009.

b. The increase in the use of wind energy for electricity in 2023.

c. The increase in the price of wind energy for every megawatt-hour.

d. The decrease in the price of all power sources since 2009.

(4 נקודות)

D. Complete the following sentence: (paragraph I)

It is _____ to use wind energy than to use coal or natural gas.

(3 נקודות)

E. How much CO2 is produced by 73 million cars? (paragraph II)

(3 נקודות)

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

(a) Circle the correct answer:

In the future, there will be an increase in the number of people who are employed in wind energy companies. 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. habit

2. pressure

3. amount

4. square

5. calendar

6. encourage

___ a chart that shows the days, weeks, and months of the year

___ an action that a person does regularly

___ how much there is of something

(9 נקודות)

2. 1. supply

2. survive

3. law

4. gravity

5. appliances

6. monitor

___ to stay alive, especially in difficult situations

___ electrical devices that are used at home, like a washing machine

___ to watch or check something carefully

(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. libraries. / Many students / in quiet / like to study

(2 נקודות)

2. .young / is better for / than / Playing outside / children / watching movies

(2 נקודות)

3. to Italy / Last year / our friends. / to visit / we traveled

(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 Your Car

Answers:

a. If you hear strange noises when braking, it might be time to fix them.

b. Wash your car often with soap and water and wax it every few months to protect the paint.

c. Replace it every 19,000 to 24,000 kilometers to keep the engine working smoothly.

d. It might be because there is a small hole in it, or because the wheel is damaged.\ne. All exterior and interior lights should be checked every month.

f. Turn it off and let it cool down. Then check if there is enough coolant or call for help.

g. You should check the level once a month. You should also check it before a long trip.

h. Try to repair it with a special tire repair kit, or call someone to help you replace it.

.1 How can I make sure my car continues to look clean and new?

(2 נקודות)

.2 How often should I check my car's oil level?

(2 נקודות)

.3 Why is one of my tires losing pressure?

(2 נקודות)

.4 When should I replace my car's air filter?

(2 נקודות)

.5 How do I know if my car's brakes need repair?

(2 נקודות)

.6 What should I do if my car's engine overheats?

(2 נקודות)

.7 How do I fix a flat tire if I don't have a spare tire?

(2 נקודות)

.8 Which lights on my car should I check regularly?

(2 נקודות)

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

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