GuyAI
מבית GOOL בגרויות

סוג הבחינה: בחינת גמר ממלכתית
מועד הבחינה: קיץ 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: 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.

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 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.

Milking Cows with Robots

I

Dairy farming* has changed over the years. Farmers used to milk cows by hand, but after the invention of the milking machine, it became common to milk cows using machines. Today, machines are not enough to produce the necessary amounts of milk. This is because the demand for milk products has increased, while at the same time, it has become hard to get workers to operate the machines because very few people want to work on farms.

*Dairy farming - משק החלב

II

Recently, a new technology was developed to solve these problems: smart milking robots. These robots allow farmers to produce large amounts of milk with fewer workers. With regular milking machines, a human worker connects the machine to the cow, and after the milking is finished, the worker disconnects the machine and cleans the cow's udders. Smart robots can do these jobs without the help of a human, using special sensors and artificial intelligence (AI).

III

Smart robots make dairy farms more efficient in other ways, too. They use sensors to collect data about the cows and the milking. Using AI, the robots analyze the data and then share the results with farmers, so **they** can make good decisions. For example, the robots collect information about each cow's health. If a cow's behavior or milk production show that she is not healthy, the robots warn the farmer so the farmer can quickly decide how to treat the cow. The robots also learn about each cow's needs – for example, what time of day she prefers to be milked. The robots can then milk each cow at a different time of day, and as a result, the cows are more comfortable and produce more milk.

IV

Smart robots allow dairy farmers to make more money with less work. This is why sales of the robots are increasing by 15% every year. But the robots are important not only for farmers: they also help feed the billions of people living on our planet today.

Adapted from: Research Dive

Answer the following questions in English. (35 points)

ענו על השאלות הבאות באנגלית.

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A. How was milking done in the past? (paragraph I)

(2 נקודות)

B. What makes it challenging for farmers to find employees? (paragraph I)

(4 נקודות)

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

(a) Circle the correct answer:

People today consume less milk products than in the past. TRUE / FALSE

(b) Support your answer from the text:

(4 נקודות)

D. List three actions that workers do when operating a regular milking machine: (paragraph II)

1. ____

2. ____

3. ____

(3 נקודות)

E. Which two features enable milking robots to work independently? (paragraph II)

1. ____

2. ____

(4 נקודות)

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

a. Milking robots can milk cows independently without help from humans.

b. Milking robots help dairy farmers keep the cows healthy at all times.

c. Milking robots have replaced regular milking machines on many farms.

d. Milking robots have special abilities that help dairy farms work well.

(4 נקודות)

G. What does the word **they** in line 13 refer to?

(2 נקודות)

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

1. ____ The robots milk cows according to a schedule that is suitable for each cow.

2. ____ The robots help dairy farmers know when a cow needs medical treatment.

3. ____ The robots milk the cows in a way that may cause them sickness or pain.

4. ____ The robots give data to the farmers, and the farmers analyze the data using AI.

(8 נקודות)

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I. What are the two benefits of using smart robots on dairy farms? (paragraph IV)

1. ____

2. ____

(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.

Too Much Fishing

I

Overfishing* in oceans is a major problem. Compared to 70 years ago, when humans took less than 20 million tons of fish out of the oceans each year, today the numbers can reach 85 million tons a year. Modern fishing nets are huge: they are eighteen football fields long and have a capacity of 500 tons of fish. Because today's fishing nets are so big, they also catch a lot of other animals accidentally*. For example, every year, shrimp boats in the Gulf of Mexico accidentally catch 35 million red snapper fish. In the Caspian Sea, for every 1000 kilograms of sturgeon, 75 seals are caught accidentally. Sometimes these animals are returned to the ocean, but many die.

*overfishing - דיג יתר

*accidentally - בטעות

II

Because of overfishing, fish populations are at risk. In the Mediterranean Sea, 62% of fish populations may disappear, and in the Black Sea, the same percent are at risk. The decrease in fish numbers has negative effects on human life. In Alaska, 7,000 employees in the fishing industry lost their jobs between 2022-2024. In addition, as fish numbers continue decreasing, less people will be able to eat fish, and they will lose its important health benefits. Overfishing is harmful and must be stopped.

Adapted from: Sutori, Overfishing Infographic by Aquaholics

Answer the following questions in English. (25 points)

ענו על השאלות הבאות באנגלית.

A. What does **85 million** represent? Circle the correct answer. (paragraph I)

a. the annual amount of fish that people took out of the oceans 70 years ago

b. how many humans all around the world eat fish today

c. the annual amount of fish that people take out of the oceans today

d. how much money the fishing industry makes every year

(3 נקודות)

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B. How much fish can today's fishing nets hold? (paragraph I) (2 points) (a)

What is the length of today's fishing nets? (paragraph I) (2 points) (b)

(4 נקודות)

C. Fill in the following table about animals that are caught accidentally: (paragraph I)

	Place	Which kind of animal are fishermen trying to catch?	Which kind of animal do fishermen catch accidentally?
1.	___	shrimp	___
2.	The Caspian Sea	___	___

(8 נקודות)

D. What percentage of fish populations are at risk of disappearing in the Black Sea? (paragraph II)

(3 נקודות)

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

(a) Circle the correct answer:

Overfishing harms people's income. TRUE / FALSE

(b) Support your answer from the text:

(4 נקודות)

F. Complete the following sentence: (paragraph II)

Eating less fish will be bad for people's _____.

(3 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. direction

2. earthquake

3. responsible

4. heavy

5. sum up

6. season

___ a strong movement of the ground

___ to tell the main points in a short way

___ when something has a lot of weight

(9 נקודות)

2. 1. get rid of

2. conclusion

3. provide

4. necessary

5. instruction

6. software

___ the program used by a computer

___ to throw away or remove something

___ to give or supply something

(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. to buy / save / an apartment. / Many / money / young couples

(2 נקודות)

2. an unhealthy / Going to sleep / habit. / is / late

(2 נקודות)

3. English / I / slowly / because / do not understand / Please / well. / speak

(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)

How to Store Food Safely

:Answers

.a. Yes, you can put it back in the freezer, but first you need to cook it

.b. Keep the door closed. If it is fixed within 24 hours, the food may still be good

.c. Keep them at room temperature, away from sunlight

d. If the 'use by' date on the package has passed, do not use it.\ne. No, let it cool to room temperature first.

.f. Set it below 5° Celsius and use a thermostat to monitor it

.g. Leave it in the fridge overnight or use the microwave

.h. Put the meat in a sealed container on the bottom shelf

.1 How do I know that food is no longer safe to eat?

(2 נקודות)

.2 How can I make sure the temperature in my fridge is right?

(2 נקודות)

.3 How should I store raw meat in the fridge?

(2 נקודות)

.4 Can I refreeze meat after defrosting it?

(2 נקודות)

.5 What is the best way to defrost food safely?

(2 נקודות)

.6 What should I do if my freezer stops working?

(2 נקודות)

.7 Is it safe to put hot food directly into the fridge?

(2 נקודות)

.8 How should I store fruits and vegetables like bananas and tomatoes?

(2 נקודות)

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

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