מדינת ישראל
משרד החינוך
אגף החינוך המוכר
הפיקוח על בתי הספר
המוכרים העל־יסודיים
מכון הנרייטה סאלד

מועד הבחינה: קיץ תשפ"א, 2021
מספר השאלון: 016582S

אנגלית

רמה מוגברת

גִרסה ב'

הוראות לנבחנת

א. <u>משך הבחינה</u>: שעה וארבעים וחמש דקות.

ב. <u>מבנה השאלון ומפתח ההערכה</u>: בשאלון זה שני פרקים.

פרק ראשון	—	הבנת הנקרא	— 60 נקודות
פרק שני	—	משימת כתיבה	— 40 נקודות
		סך הכול	— 100 נקודות

ג. <u>חומר עזר מותר בשימוש</u>: אחד המילונים או אחת המילוניות מן הרשימה שבאתר הפיקוח על הוראת האנגלית ובאתר של אגף הבחינות במשרד החינוך.

ד. <u>הוראות מיוחדות</u>:

(1) כתבי את <u>כל</u> תשובותייך בגוף השאלון (במקומות המיועדים לכך).

(2) כתבי את כל תשובותייך ב<u>אנגלית</u> וב<u>עט בלבד</u>.

(3) כתבי את הנוסח הסופי של מטלת הכתיבה בעמוד 8. אם תצטרכי, תוכלי להשתמש גם בעמוד 9.

(4) בתום הבחינה החזירי את השאלון למשגיחה.

<u>הערה</u>: על כתיב שגוי יופחתו נקודות מן הציון.

<u>שימי לב</u>: אין להוסיף דפים למחברת הבחינה.

בהצלחה!

/המשך מעבר לדף/

PART I: WRITTEN RECEPTION (60 points)

(ACCESS TO INFORMATION FROM WRITTEN TEXTS)

Read the article below and then answer questions 1-7.

FIGHTING FOREST FIRES — THE ISRAELI WAY

I Last year, forest fires burned for months across countries all over the world. In Australia, Brazil, and the USA, enormous areas of forest were destroyed, air pollution rose dramatically, and hundreds of thousands of people were forced to leave their homes. In the Mediterranean region as well, including Israel, there was an increase in forest fires. All these countries have long had to deal with extensive fires during hot dry summer months. However, 2020 saw longer periods of hotter and drier weather. In some places, years of neglect had left dead trees and fallen leaves lying in forests, enabling fires to spread much more easily.

II Given the terrible consequences of forest fires, great efforts have been made to find ways to put them out soon after they are detected. This need has been especially pressing in Israel — a small country with large centers of population located near forests. It is therefore not surprising that many innovative solutions have been developed in this country. One such innovation comes from the Israeli company FlyTech: The company has adapted drones* to fly close to forest fires and collect data on their intensity and the direction in which they are spreading. Firefighters all over the world are already using FlyTech's drones to decide how best to fight each fire — for example, where to cut down trees to prevent it from spreading.

III High tech has also been used in putting out forest fires. The usual way is to drop water on the burning forest from an airplane flying above it. Unfortunately, when the water is released from high up, it spreads out over a large area rather than landing directly on the fire. The airplanes must therefore fly low, close to burning trees, which is extremely hazardous to the pilots. Now the Israeli company Elbit has developed a method for delivering water accurately from airplanes flying high above the fires.

* drone — מטוס זעיר ללא טייס

/המשך בעמוד 3/

IV Novel Israeli technology also helps deal with the dangerous consequences of fires. One of these is the smoke that can stay in the air for days and even weeks after a fire is extinguished. Depending on the weather and the direction of the wind, this can present a real health risk to people living nearby. These days, the Israeli technology known as ClimaCell provides detailed information on local air pollution in affected areas. The technology is currently being used in Australia, enabling communities to decide when it is safe to go outside.

V Some fire prevention solutions are also being implemented in Israel – and they aren't high-tech. Keren Kayemeth LeIsrael (KKL), which has planted pine forests in Israel for over a hundred years, is currently replacing these trees with oaks and carob trees. The new trees are not only less flammable but can also grow again the following year even if badly damaged by fire. In addition, KKL encourages farmers to bring their goats and sheep to the forests, to feed on the grasses and dry leaves. "The risk of forest fires will always be there," says tree expert Professor Gideon Amichai. "But as you see, it can be reduced by working with nature."

QUESTIONS (60 points)

Answer questions **1-7** in English according to the article. In questions **5** and **6**, circle the number of the correct answer. In the other questions, follow the instructions.

1. What do we learn from paragraph I?

PUT A √ BY THE TWO CORRECT ANSWERS.

..... i) Why forest fires can occur all year round.

..... ii) Why forests have been neglected.

..... iii) How forest fires can affect people's lives.

..... iv) Where forest fires burnt for the longest time.

..... v) Which countries have dealt with fires most effectively.

..... vi) How 2020 was different from previous years.

(2×7=14 points)

/המשך בעמוד 4/

2. What do we learn from lines 9-13? Give ONE answer.

COMPLETE THE SENTENCE.

We learn why Israel ..... .

(8 points)

3. How can the information from FlyTech's drones help firefighters do their job better? (paragraph II)

COMPLETE THE SENTENCE.

It can ..... .

(8 points)

4. What do we learn about Elbit's method for putting out forest fires? (paragraph III)

COMPLETE THE SENTENCE.

It does not require pilots to ..... .

(8 points)

5. What are we told about the ClimaCell technology? (paragraph IV)

i) How it checks the direction of winds and smoke.

ii) How it helps protect people from smoke in the air.

iii) How it is used to put out fires.

iv) How it helps reduce the air pollution caused by fires.

(7 points)

/המשך בעמוד 5/

6. What do we learn from paragraph V about pine trees?

i) What methods were used to plant them.

ii) Why KKL planted them in the forests.

iii) How long they live.

iv) What makes them dangerous.

(7 points)

7. What is the purpose of the measures being taken by KKL? (paragraph V)

COMPLETE THE SENTENCE.

Their purpose is to ..... .

(8 points)

/המשך בעמוד 6/

PART II: WRITTEN PRODUCTION (40 points)

(WRITTEN PRESENTATION)

Write 120-140 words in English on the following topic.

8. What is the ideal job for a woman these days?
Write a composition stating and explaining your opinion.

בהצלחה!

Use this page and the next (pages **6-7**) for writing a rough draft.

/המשך בעמוד 7/

/המשך בעמוד 8/

Write your final version here. If necessary, you may use page **9** as well.

/המשך בעמוד 9/

בהצלחה!

זכות היוצרים שמורה למדינת ישראל
אין להעתיק או לפרסם אלא ברשות משרד החינוך