

# פתרון בחינת הבגרות באנגלית

## שאלון ו' (MODULE F)

מספרי השאלון: 406 ,016107

גרסה ב'

### מוגש על ידי:

אורית הולנדר, מיכל חכמון, גניה אטד,

נחמה מצנר, דנה דרורי וארז צרפתי

מורים לאנגלית ברשת בתי הספר של

יואל גבע

### הערות:

1. התשובות המוצגות כאן הן בגדר הצעה לפתרון השאלון.
2. תיתכנה תשובות נוספות, שאינן מוזכרות כאן, לחלק מהשאלות.

- א. סוג הבחינה: בגרות לבתי ספר על-יסודיים  
ב. בגרות לנבחני משנה  
ג. בגרות לנבחנים אקסטרניים  
מועד הבחינה: תשס"ח, מועד ב  
מספר השאלון: 406, 016107

## אנגלית

### שאלון ו'

(MODULE F)

### גרסה ב'

### הוראות לנבחן

- א. משך הבחינה: שעה ורבע
- ב. מבנה השאלון ומפתח ההערכה: בשאלון זה שני פרקים.  
פרק ראשון – הבנת הנקרא – 60 נקודות  
פרק שני – משימת כתיבה – 40 נקודות  
סה"כ – 100 נקודות
- ג. חומר עזר מותר בשימוש: מילון אוקספורד אנגלי-אנגלי-עברי או מילון הראפס אנגלי-אנגלי-ערבי: قاموس " هاراب " إنجليزي – إنجليزي – عربي  
נבחן "עולה חדש" רשאי להשתמש גם במילון דו-לשוני: אנגלי-שפת-אמו / שפת-אמו-אנגלי.  
השימוש במילון אחר טעון אישור הפיקוח על הוראת האנגלית.
- ד. הוראות מייוחדות:  
(1) עליך לכתוב את כל תשובותיך בגוף השאלון (במקומות המיועדים לכך).  
(2) כתוב את כל תשובותיך באנגלית ובעט בלבד. אסור להשתמש בטיפקס.  
(3) בתום הבחינה חזור את השאלון למשיגך.

הערה: על כתיב שגוי יופחתו נקודות מהציון.

ההנחיות בשאלון זה מנוסחות בלשון זכר ומכוונות לנבחנות ולנבחנים כאחד.

**בהצלחה!**

/המשך מעבר לדף/

**PART I: ACCESS TO INFORMATION FROM WRITTEN TEXTS (60 points)**

Read the text below and then answer questions 1-6.

**HELP OUR ROBOTS SAVE THE WORLD**

Robots have come a long way since the days when they were science-fiction creatures designed to help their masters cope with everyday chores. Today they are very real indeed, and capable of assisting in much more important tasks. Here at the Institute for Environmental Robotics (INSTER), we are dedicated to creating robots that can  
5 help us meet the most urgent challenge of all – protecting the environment. Founded in 2003, INSTER is a non-profit organization that relies for its funding on people like you, who care about the planet.

INSTER uses the latest in robotic technology to help solve ecological problems and protect endangered species. Take the whooping crane, for instance. This endangered  
10 bird owes its existence mainly to zoos, where the eggs are hatched in incubators. But biologists noticed that eggs hatch more successfully in the nest. So we made robotic eggs that look real enough to fool even the most devoted whooping crane mothers; then we slipped them into nests in the birds' natural habitat. The "eggs" constantly measure temperature and humidity, and record when the parent turns them and sits on  
15 them, allowing zoologists to mimic the process in the incubators.

We've also got robotic dogs detecting chemical pollutants in industrial areas. Built in our lab with the help of high-school students, the dogs are programmed to work together, communicating with each other and comparing signals. As soon as they identify a certain level of pollution in the ground, they bark out a popular tune. The  
20 project not only locates pollutants, but at the same time gets youngsters interested in ecological issues.

Then there are times when all a researcher needs is a good pair of eyes. Humans tend to miss a lot, especially when they're being baked by a hot sun or bitten by poisonous snakes out in the field. Since robots are immune to such distractions, we already have  
25 some hidden beneath desert sands and in swamps, sending back information about the organisms living in these inaccessible and dangerous environments.

In the future, we plan to develop robots that will record the behavior of bears, gorillas, and giant pandas in nature. Further plans include getting more youngsters involved in our cause. But none of this will be possible without your help. Your donation is  
30 urgently needed to enable us to continue our efforts to harness advanced technology for the good of the planet. So why not make a contribution to this important work? For detailed information on our unique and exciting projects, go to [www.inster.org](http://www.inster.org).

(Adapted from <http://discovermagazine.com/2007/sep/4-robots-that-are-saving-the-world>)

**QUESTIONS** (60 points)

Answer questions 1-6 in English, according to the text. In questions 4 and 6, circle the number of the correct answer. In the other questions, follow the instructions.

1. What do we learn about INSTER from lines 1-7? Give TWO answers.

COMPLETE THE ANSWERS.

(1) Why INSTER **was founded** .....

(2) Why INSTER **needs funding** .....

תשובות נוספות - ראה נספח

(2×8=16 points)

2. COMPLETE THE SENTENCE ACCORDING TO LINES 8-15.

The robotic eggs are used to find out how to .....

**make the eggs hatch more successfully** .....

תשובות נוספות - ראה נספח

(8 points)

3. What are we told about all the robots described in lines 8-26?

PUT A ✓ BY THE TWO CORRECT ANSWERS.

..... i) How popular they are with researchers.

..... ii) How INSTER designed them.

✓..... iii) How they help collect information.

..... iv) Which technologies they help develop.

..... v) How long they've been in use.

✓..... vi) Where they are used.

(2×7=14 points)

/המשך בעמוד 4/

4. How are the robots described in lines 16-21 different from the other robots described in the text?

- (i) They provide more information.
- (ii) They are useful mainly to students.
- (iii) They are technologically advanced.
- (iv) They have an educational purpose.

(7 points)

5. What point is made in lines 22-26?

COMPLETE THE SENTENCE.

INSTER's robots are doing things that **humans tend to miss** .....

תשובות נוספות - ראה נספח

(9 points)

6. What do the writers explain in the last paragraph?

- (i) How readers of the newsletter can help INSTER.
- (ii) Which of INSTER's projects is the most expensive.
- (iii) Which of INSTER's new projects is aimed at youngsters.
- (iv) What people like about INSTER's website.

(6 points)

**נספח**  
**שאלון ו'**  
**(MODULE F)**

**תשובות אפשריות נוספות**

**שאלה סעיף 1**

**why INSTER creates robots.**

**או**

**why INSTER is dedicated to creating robots.**

**שאלה סעיף 2**

**why INSTER relies on people who care about the environment.**

**או**

**why INSTER relies on people for its funding.**

**שאלה 2**

**The robotic eggs are used to find out how to protect the whooping crane.**

**או**

**The robotic eggs are used to find out how to mimic the natural process of egg hatching.**

שאלה 5

**INSTER's robots are doing things that humans find difficult.**