

סוג הבחינה: בגרות
מועד הבחינה: קיץ תש"ף, 2020
מספר השאלון: 016582

אנגלית

שאלון ז' (MODULE G) גרסה ב'

הוראות לנבחן

- א. משך הבחינה: שעה וארבעים וחמש דקות
- ב. מבנה השאלון ומפתח ההערכה: בשאלון זה שני פרקים.
- | | | | | | |
|-----------|---|-------------|---|---------|--------|
| פרק ראשון | – | הבנת הנקרא | – | 60 | נקודות |
| פרק שני | – | משימת כתיבה | – | 40 | נקודות |
| | | | – | 100 | נקודות |
| | | | – | סך הכול | |
- ג. חומר עזר מותר בשימוש: אחד המילונים או אחת המילוניות מן הרשימה שבאתר הפיקוח על הוראת האנגלית ובאתר של אגף הבחינות במשרד החינוך.
- נבחן "עולה חדש" רשאי להשתמש גם במילון דו-לשוני: אנגלי-שפת אימו / שפת אימו-אנגלי. השימוש במילון אחר טעון אישור של הפיקוח על הוראת האנגלית.
- ד. הוראות מיוחדות:
- (1) עליך לכתוב את כל תשובותיך בגוף השאלון (במקומות המיועדים לכך).
 - (2) כתוב את כל תשובותיך באנגלית ובעט בלבד.
 - (3) כתוב את הנוסח הסופי של מטלת הכתיבה בעמוד 9. אם תצטרך, תוכל להשתמש גם בעמוד 10.
 - (4) בתום הבחינה החזר את השאלון למשגיח.
- הערה: על כתיב שגוי יופחתו נקודות מן הציון.

שים לב: אין להוסיף דפים למחברת הבחינה.

ההנחיות בשאלון זה מנוסחות בלשון זכר ומכוונות לנבחנות ולנבחנים כאחד.

בהצלחה!



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

Read the article below and then answer questions 1-8.

ROBOTS IN HEALTHCARE

I When Moxi the robot arrived at a hospital in Texas two years ago, it didn't get a very warm welcome. The nurses didn't think it would be much help to them, and they were sure patients would not like having a robot around. However, the patients were fascinated, and the nurses soon discovered that Moxi could take over a lot of their boring jobs, such as getting medical supplies, taking blood samples to the laboratory, and bringing medicines from the pharmacy. These errands normally take up about a third of a nurse's day, but with Moxi to help them, the nurses could spend the extra time looking after patients.

II Moxi has a flexible mechanical arm that can pick up anything from a piece of paper to a heavy bottle. Its designers also gave it human-like features — the height of an average person, a round white head, and two small eye-shaped lights that seem to blink as it glides toward you. And indeed, doctors, nurses and patients all treat Moxi as a member of the staff. "We actually talk to it," laughs Gordon Brown, a nurse at the hospital. "Not that we get an answer, but who knows, maybe in the future we will."

III While healthcare robots like Moxi do relatively simple jobs, others are taking on far more complex tasks in hospitals. One highly sophisticated model, called da Vinci, has been designed for use in operating rooms, where it helps surgeons do the precise and delicate work involved in surgery. Since the da Vinci first appeared on the market, it has been used in over two million operations worldwide. "It's not easy to get used to doing an operation this way — sitting at a computer screen and controlling a robot that's using the surgical instruments," says Dr. Barbara Stanton, a surgeon at a London hospital. "But we can now do complicated procedures we couldn't do before. My colleagues and I have also found that we get a lot less exhausted, and can work much more efficiently."

IV Of course, there are also people who need care at home. For them, human-like robots are becoming available that can provide such services as heating up a meal, giving medicine, and checking temperature and blood pressure. Perhaps most importantly for those living alone, the robots are capable of holding simple conversations. These innovations are being led by Japan — a country with the world's highest percentage of elderly people in need of care.



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V Elsewhere, such solutions have been met with concern. "Healthcare robots could cost human caregivers their jobs," says sociologist Kevin Wallace. "Even worse, the sick and the elderly, who need human contact the most, would be getting much less of it. Moreover, the purchase price of these robots is likely to be extremely high." Nevertheless, Wallace believes that robots will eventually be introduced at every stage of healthcare. "After all, those already on the market have proved to be incredibly reliable and efficient," he explains. "Given the need to provide care for an increasingly ageing population, the advantages will clearly outweigh the disadvantages."

QUESTIONS (60 points)

Answer questions 1-8 in English according to the article. In questions 1, 2, 4 and 8, circle the number of the correct answer. In the other questions, follow the instructions.

1. What do we learn from paragraph I?

- i) Why patients did not welcome Moxi.
- ii) Why the nurses were wrong about Moxi.
- iii) Why patients were fascinated by Moxi.
- iv) Why Moxi had to look after patients.

(7 points)

2. What can we understand from paragraph II?

- i) Why Moxi will be able to talk in the future.
- ii) How Moxi should be treated.
- iii) How doctors and nurses learn to use Moxi.
- iv) What makes Moxi useful.

(7 points)

3. Why might people talk to Moxi? (paragraph II)

COMPLETE THE ANSWER.

Because the robot

(8 points)



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4. What does Dr. Stanton say about the da Vinci? (paragraph III)

- i) Surgeons were involved in designing it.
- ii) It will eventually be able to do surgery on its own.
- iii) Learning to use it presents a challenge to surgeons.
- iv) It is suitable for all types of surgery.

(7 points)

5. COMPLETE THE SENTENCE.

In lines 20-21, Dr. Stanton describes ways in which

.....

(8 points)

6. What can we understand about Japan from paragraph IV? Give ONE answer.

COMPLETE THE SENTENCE.

We can understand why

.....

(8 points)

7. COMPLETE THE SENTENCE.

In lines 27-30, Wallace gives several reasons why healthcare robots

.....

(8 points)

8. In paragraph V, Wallace predicts that healthcare robots (-).

- i) will eventually become cheaper
- ii) will become more reliable
- iii) will be used more frequently
- iv) will depend on contact with caregivers

(7 points)

לא תכתב פי هذه المنطقة

לא לכתוב באזור זה



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PART II: WRITTEN PRESENTATION (40 points)

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

9. Write a composition describing how your school years have helped you prepare for life as an adult.

בהצלחה!

Use this page and the next (pages 7-8) for writing a rough draft.

لا تكتب في هذه المنطقة

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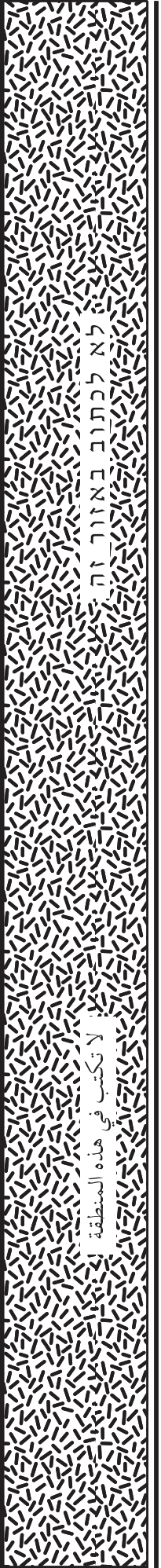
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Write your final version here. If necessary, you may use page 10 as well.

Multiple horizontal lines provided for writing the final answer.





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Lined writing area with horizontal lines for text entry.

בהצלחה!

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

لا تكتب في هذه المنطقة

לא לכתוב באזור זה