

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ  
المملكة الأردنية الهاشمية

The Hashemite Kingdom Of Jordan - Ministry Of Education  
General Secondary Certificate Examination – 2017  
General English

الدورة الشتوية / المستوى الثالث / الكتاب الجديد

Date: \ \ 2017

Time: 1 Hour And A Half

Read the following article carefully, and then in your ANSWER BOOKLET answer all the questions that follow. Your answers should be based on the article.

Text one

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Scientists have successfully invented a prosthetic hand with a sense of touch. It is an exciting new invention, which they plan to develop. It is possible that, in the not-too-distant future, similar artificial arms and legs will have taken the place of today's prosthetic limbs.

Dennis Sorensen, a 39-year-old from Denmark, was the first person to try out the new invention. After losing his left hand in an accident, he had been using a standard prosthetic hand for nine years. The new hand, which was developed by Swiss and Italian scientists, was a huge improvement. With it, Sorensen could not only pick up and manipulate objects, but he could also feel them. 'When **I** held an object, I could feel if it was soft or hard, round or square', he explained. He said that the sensations were almost the same as the ones he felt with his other hand.

Unfortunately, Sorensen was only taking part in trials, and the equipment is not ready for general use yet. He was only allowed to wear it for a month, for safety reasons. So now he has his old artificial hand back. However, he hopes that soon he will be wearing the new type of hand again. He is looking forward to the time when similar artificial limbs are available for the thousands of people who need them. He will have helped to transform their lives.

**Question Number One (20 points)**

- 1-Find a word that is the opposite of '**natural**' in the first and third paragraphs.
- 2-The new prosthetic hand has many positive qualities. Write two of these qualities.

3-Quote the sentence that shows the nationalities of the scientists who invented a new artificial limb.

4-Dennis Sorensen has now his old artificial hand back for many reasons. Write two of these reasons.

5-Who does the underlined pronoun( I ) refer to?

6-Having prosthetic limbs can improve someone's life in many ways. Think of this statement, and in two sentences, write down your point of view.

7-Prosthetic limbs might cause some problems. Explain this statement, suggesting three problems that could be caused by these artificial limbs.

## Text Two

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Ten-year-old Adeeb al-Balooshi, from Dubai, is going to travel to seven countries on a tour which has been organised and funded by Sheikh Hamdan bin Mohammad, Crown Prince of Dubai.

The boy caught Sheikh Hamdan's attention with his invention – a prosthetic limb for his father. The Sheikh has taken a special interest in the boy, and hopes the tour that he is sponsoring for Adeeb will give the young inventor more self-confidence and inspire other young Emirati inventors.

Adeeb got the idea for a special kind of prosthetic leg while he was at the beach with his family. His father, who wears an artificial leg, could not swim in the sea as he could not risk getting his leg wet. **This** inspired Adeeb to invent a waterproof prosthetic leg.

Adeeb is going to visit the USA, France, the UK, Ireland, Belgium, Italy and Germany, where he will be staying with relatives. However, while he is in Germany, Adeeb will not be spending all his time sightseeing. He will be working with a specialist doctor to build the appendage. He will also be attending a course on prosthetics and learning about different kinds of medical apparatus.

Adeeb has invented several other devices, including a tiny cleaning robot and a heart monitor, which is attached to a car seat belt. In the case of an emergency, rescue services and the driver's family will be automatically connected with the driver through this special checking device.

He has also invented a fireproof helmet. This special equipment, which has a built-in camera system, will help rescue workers in emergencies. It is for these reasons that Adeeb rightly deserves his reputation as one of the youngest inventors in the world.

**Question number one:**

1. Sheikh Hamdan is interested in funding Adeeb's tour to travel the world for many reasons. Write two of these reasons.
2. What does the suffix -proof in the word fireproof mean ?
3. Mention three of Adeeb's inventions.
4. Quote the sentence which shows three of Adeeb's inventions.
5. Mention two countries that Adeeb is going to visit.
6. Mention two things Adeeb is going to do while he is in Germany.
7. The heart monitor that Adeeb invented is connected with two groups of people in case of emergency. Who are they?
8. What does the underlined pronoun this refer to?
9. Having prosthetic limbs can improve someone's life in many ways. Think of this statement, and in two sentences, write down your point of view.
10. Prosthetic limbs might cause some problems. Explain this statement, suggesting three problems that could be caused by these artificial limbs.

**B. Literature Spot: (3 points)**

**Read the following lines, from *All the World's a Stage* carefully, then answer the questions that follow:**

And all the men and women merely players;  
They have their exits and their entrances,  
And one man in his time plays many parts...  
At first, the infant,  
Mewling and puking in the nurse's arms.  
Then the whining schoolboy, with his satchel  
And shining morning face, creeping like snail  
Unwillingly to school...

1. What is the first stage of a human's life, according to the previous lines?  
(1 point)
2. Which simile does the playwright use to describe the schoolboy as he walks to school?  
(2 points)

**Question Number two (15 points)**

**A. Choose the suitable item from those given in the box to complete each of the following sentences. There are more words than you need. Write the answers down in your ANSWER BOOKLET. (8 points)**

**rely on, immunisation, sceptical, calculations, ailments,**

- 1-Headaches and colds are common ....., especially in winter.
- 2-Many serious diseases can be prevented by ....., which helps the body to build antibodies.
- 3-I don't really believe that story – I'm very .....
- 4-I need to make a few ..... before I decide how much to spend.

**B. Study the following sentence and answer the question that follows. Write the answer down in your ANSWER BOOKLET.**

You must take the jacket which is waterproof.

What does the suffix –proof- in (waterproof) mean ? (3 points)

**C. Complete the following sentences with the suitable words derived from the words in brackets and write the answers down in your ANSWER BOOKLET. (4 points)**

1. Petra is an important..... site. (archaeology)
2. Art, music and literature are all part of our .....(cultural)

**Question number three (12 points)**

**A. Correct the verbs between brackets then write the answers down in your ANSWER BOOKLET. (6 points)**

1. This time next month, my parents..... married for twenty years. (have, be)
2. I ..... understand English, but now I do. (not- use to)
3. Ahmad made a big progress in English. He had ..... it daily for a year. (be, study)

**B. Complete each of the following items so that the new item has a similar meaning to the one before it, and write it down in your ANSWER BOOKLET. (6 points)**

1. I like Geography most of all.  
The subject .....

2. Maher checked his emails, and then he started work.

Before Maher.....

3. Someone broke the window of my car last night.

The window .....

**Question Number Four (8 points)**

**A. The underlined words in the following sentences are not used correctly. Replace these words with the correct ones, and write the answers down in your ANSWER BOOKLET. (2 points)**

The giraffe is a tallest animal in world .

**B. The following sentences are in British English, rewrite them in American English, and write them down in your ANSWER BOOKLET. (4 points)**

1. Have you seen that programme yet ?

2. I am going to have a look at these marvellous paintings .

**C. Study the following sentence and answer the questions that follows. (2 points)**

We all worked together. **Therefore**, we won the competition.

What is the function of using **therefore** in the previous sentence?

**Question Number Five (15 points)**

**A. EDITING (4 points)**

**Imagine you are an editor in the Jordan Times. You are asked to edit the following lines that have four mistakes (one grammar mistake, one punctuation mistake and two spelling mistakes). Find out these four mistakes and correct them. Write the correct answers down in your ANSWER BOOKLET.**

Scientists have already developed brain implants that improve vision or allow disabled people to control brosthetic limbs. How will humans benefit from this research. Scientists hope to develop a similar device to help people which have been affected by brain damage, which could be caused by demencia , a stroke or other brain injuries.

## **B. GUIDED WRITING (4 points)**

**Read the information below, and in your ANSWER BOOKLET, write two sentences using the giving notes below about the advantages of technology in communication. Use the appropriate linking words.**

- give an opportunity to maximize learning
- allow people to perform jobs or tasks at a faster rate
- help people to save money and time.
- provide factual and related information

## **C. FREE WRITING (7 points)**

**In your ANSWER BOOKLET, write a composition of about 120 words on ONE of the following:**

1. Write about the advantages and disadvantages of smart phones\ online shopping\ internet of things\ using technology in communication.
2. Write about traditional crafts in Jordan. Benefits of traditional crafts for people and community. Problems they face. How to help traditional crafts? Examples of traditional crafts.

الإجابات

### **Question Number One:**

#### **Text one**

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1. Artificial
2. could not only pick up and manipulate objects, but could also feel them.
3. The new hand, which was developed by Swiss and Italian scientists, was a huge improvement.
4. Sorensen was only taking part in trials, and the equipment is not ready for general use yet. For safety reasons.
5. Dennis Sorensen
6. I think that having prosthetic limbs can improve someone's life in many ways, for examples they extend the human lifespan and can make a difference to the victims and the people around them. They could change the world of patients and prosthetic joints and limbs offer mobility to patients who may otherwise be immobile.
7. There are many problems that could be caused by these artificial limbs such as: The first problem of prosthetic limbs is the cost. The second problem of prosthetic limbs is the amount of time that they take for the legs to be developed. The third problem is related to the bad side effects of using these limbs on the body and brain.

#### **Text two**

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1. the world tour to help to give him more self-confidence and to inspire other young inventors from the UAE.
2. It means 'to provide protection against'.
3. a fireproof helmet, a tiny cleaning robot, a heart monitor and prosthetic limb.
4. Adeb has invented several other devices, including a tiny cleaning robot and a heart monitor, which is attached to a car seat belt.
5. the USA, France, the UK, Ireland, Belgium, Italy and Germany.

6. He will be working with a doctor to build his new invention of the waterproof prosthetic leg, as well as attending a course to find out more about prosthetics.
7. rescue services and the driver's family
8. His father, who wears an artificial leg, could not swim in the sea as he could not risk getting his leg wet.

**Literature Spot:**

1. the infant
2. creeping like snail

**Question Number two**

- A. ailments\ immunisation\ sceptical\ calculations
- B. provide protection against.
- C. Archaeological \ culture

**Question number three**

- A. Will have been\ didn't use to\ been studying
- B. The subject which I like most of all is geography. \ started work, he had checked his emails.\ of my car was broken last night.

**Question Number Four**

- A. The tallest\ the world
- B. did you see that program yet ?\ I am going to take a look at these marvelous paintings .
- C. showing result \ consequence

**Question Number Five EDITING**

brosthetic limbs ---Prosthetic\ research. ----- ?\ people which----- who\ by demencia ----- by dementia