



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

Scientists have already developed brain implants that improve vision or allow disabled people to use their thoughts in order to control prosthetic limbs like arms, legs or hands, or operate a wheelchair. In 2012 CE, research on monkeys showed that a brain implant improved their decision-making abilities. How will humans benefit from this research? Scientists hope to develop a similar device to help people who have been affected by brain damage, which could be caused by dementia, a stroke or other brain injuries.

In 2010 CE, neuroscientists confirmed that it was possible to communicate with some patients in a coma, by using a special brain scanner called an MRI. They suggested that, in the future, more meaningful dialogue with patients in a coma would be possible. Two years later, it has finally happened. The scanner, used on a man who has been in a coma for more than twelve years, proves that he has a conscious, thinking mind – a fact that had previously been disputed by many. Doctors plan to use similar brain-scanning techniques in the future to find out whether patients are in pain, or what they would like to be done in order to improve their quality of life.

A new cancer drug is being trialled in Plymouth, UK, which doctors hope will extend the lives of cancer patients and reduce their symptoms overnight. It is taken as a single pill every morning, and so far patients have shown none of the usual side effects such as the sickness and hair loss that are experienced when undergoing other forms of cancer treatment. The new treatment works by blocking a protein which causes cancerous cells to grow. It will improve patients' life expectancy and quality of life much more quickly than any other treatment.

**Question Number One ( 54 points )**

1. Brain damage could be caused by many reasons. Write down three of them. (12 points)
2. The text states that the new cancer drug will improve two aspects of patients life more quickly than any other treatment. Write down these two aspects of patent's life. (8 points)
3. Quote the sentence which states the aims of using brain-scanning techniques by doctors in the future. (5points)
4. Find a word in the article which means "(unconscious state) (5 points)
5. What does the underlined pronoun ( he ) refer to? ( 6 points)
6. A new cancer drug is being trialled in Plymouth hospital by doctors to achieve two expected benefits .Write down these two expected benefits. ( 6 points )
7. Since the beginning of the 20<sup>th</sup> century life expectancy is increasing constantly. Suggest three reasons that lead to increase life expectancy of people. (6 points)
8. It is thought that robots are particularly suited to storing and delivering medicine. Think of this statement and, in two sentences, write down your point of view. (6 points)

**SEE PAGE TWO/....**

**Question Number Two (40 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 . ( 20 points)**

**dementia, symptoms, tiny, tablets, appendage, self-confidence**

1. After losing his leg in an accident, Safwan visited a specialist doctor to build his -----
2. Doctors believe that brain damage is caused by -----, a stroke or brain injuries.
3. It's important to encourage young people and help them develop -----
4. Doctors look at the ----- before they decide how to treat the patient.
5. It's amazing how huge trees grow from ----- seeds.

**B. Choose the suitable item from those given to complete each of the following sentences. ( 20 points )**

1. Many local companies will ----- our national football team.  
( sponsor , sponsored , sponsorship , sponsoring )
2. My teacher thinks I can get a scholarship , but I am -----.  
( sceptic , sceptical , scepticism, sceptically )
3. Ibn Basal was a ----- man and all of his writing came from his own 'hands-on' experience of working the land.  
( practise , practical , practically , practitioner)
4. Teachers ----- punctuality from their students.  
( expectantly , expectation , expectancy , expect)

**Question Number Three (40 points)**

**A. Choose the correct form of the verb from those given below to complete each of the following sentences. ( 20 points)**

1. Dr. Marwan ----- a course on prosthetics three years ago.  
( had attend , was attended , attend , attended )
2. Safwan ----- to the invitation yet.  
( didn't replied, hadn't replied , ,doesn't replied , hasn't replied)
3. In two years' time, I ----- medicine.  
( will be studied , have studied , will study, will be studying)
4. Different goods among countries ----- by traders.  
( can transport, could transport , can be transported , transport)
5. We had ----- with each other for a long time.  
(been communicated, been communicating , communicating, be communicated)

**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. (20 points)**

1. "The students are very happy about the English exam in my school."  
Marwan said that -----
2. Move that car to make the students leave  
If you -----.
3. "I will send my homework to my teacher through emails."  
Safwan said that -----
4. It is normal for Rashed to go swimming every morning .  
Rashed -----

### Question Number Four ( 30 points)

**A. Choose the suitable item from those given to complete each of the following sentences.**

1. I ----- to go shopping in the local supermarket, but it closed two years ago, so now I have to drive into town to shop.  
( use , am not used , used , didn't used )
2. Are you ----- in Jordan yet ? You've only been here for two months.  
( use to live , used to live , used to living , use to living)
3. I am planning ----- medicine abroad.  
( study, studied , studying , to study )
4. My grandparents ----- send mails when they were my age.  
( am not used to , didn't use to, are used to, is used to )

### Question Number Five ( 30 points)

**A. EDITING ( 10 points )**

**Imagine you are an editor in the Jordan Times. You are asked to edit the following lines that has five mistakes. Find out these five mistakes and correct them.**

In order to cope with the increase in demand for **treatment**, the KHCC has begun an **expantion** programme. Building **starts** in 2011 CE. The hospital will have more than doubled its capacity by 2016 CE, increasing space for new **canser** cases from 3,500 per year to 9,000.

**B. GUIDED WRITING ( 6 points)**

**Read the information in the table below , and then write two sentences about the results of spending too much time at computers . Use the appropriate linking words .**

Results of spending too much time at computers
<ul style="list-style-type: none"><li>• hurt eyes</li><li>• damage hands</li><li>• cause headaches</li><li>• cause sleep problems</li></ul>

**C. FREE WRITING ( 14 points )**

1. The dramatic progress in medicine that characterized the 20<sup>th</sup> century is due to many reasons. Write a report to your school magazine explaining some of these reasons , mentioning the positive effects of such a progress on people's health.
2. The average life expectancy of Jordanians is increasing constantly. Write an essay discussing the causes that have increased the average of life expectancy , mentioning the positive consequences of such increase on the whole country.

### **Question Number One**

1. – dementia - a stroke - other brain injuries
2. patients' life expectancy - patients' quality of life
3. Doctors plan to use similar brain-scanning techniques in the future to find out whether patients are in pain, or what they would like to be done in order to improve their quality of life.
4. a coma
5. a man
6. extending the lives of cancer patients - reducing their symptoms overnight
7. advances in education – immunization – using modern medical apparatus
8. I agree with this statement because these tasks require accuracy and speed ,something that is very suitable for robots.

### **Question Number Two**

- A. 1- appendage 2- dementia 3- self- confidence 4- symptoms 5- tiny  
B. 1- sponsor 2- sceptical 3- practical 4- expect

### **Question Number Three**

- A. 1- attended 2- hasn't replied 3- will be studying 4- can be transported 5- been communicating.  
B. 1- The students were very happy about the English exam in his school.  
2- move that car , the students leave .  
3- he would send his homework to his teacher through emails.  
4- is used to swimming every morning.

### **Question Number Four**

- 1- used 2- used to living 3- to study 4- didn't use to

### **Question Number Five**

- A. treatment - expansion - started - , - cancer  
B. open answer  
C. open answer