



**Third year  
Electricity - Electronics**

**Subject: English  
Year: 2012-2013  
Time: 2 hours  
Pages: 2**

### **Part I: Reading comprehension (5 Marks)**

#### **Read the following passage and then answer the questions:**

The average computer user has between 5 and 15 username/password combinations to log in to email accounts, news and entertainment sites, online stores, online banking accounts, or other websites. For people who use email or other internet applications, the number of required username/password combinations may surpass 30. When you add to this list the codes needed to access things like ATMs, home alarm systems, padlocks, or voicemail, the number of passwords becomes staggering. The feeling of frustration that results from maintaining a memorized list of login credentials has grown so prevalent that it actually has a name: password fatigue. Because it is virtually impossible to remember a unique password for each of these accounts, many people leave handwritten lists of usernames and passwords on or next to their computers. Others solve this problem by using the same password for every account or using extremely simple passwords. While these practices make it easier to remember login information, they also make it exponentially easier for thieves to hack into accounts. Single sign-on authentication and password management software can help **mitigate** this problem, but there are drawbacks to both approaches.

#### **A- Answer the following questions**

- 1- Is a dozen of usernames and passwords necessary for obtaining access to a computer system?
- 2- Why is it dangerous to remember many passwords?

#### **B- Choose the correct answer from a, b, c, d or e:**

- 3- The best synonym for the bold **mitigate** is.....?  
a) predict      b) postpone      c) investigate      d) lessen      e) complicate
- 4- The passage discusses all of the following solutions to password fatigue except:  
a) writing the passwords down on a piece of paper      b) voice-recognition software  
c) uni-passing      d) using very simple passwords      e) intelligent encryption
- 5- The underlined "surpass" here means  
a) exceed      b) extend      c) reach      d) detract from      e) lessen

### **Part II-Textbook (5 Marks)**

- 1- Define the inorganic acids.
- 2- What are the electrodes?
- 3- Give the meaning of the following words: a) attached      b) descend
- 4- How could the (GPS) devices serve in saving a man falling into the sea?
- 5- -----, in chemistry, are uniform mixtures of two or more substances. (Complete)
- 6- The printing of paper money in the UK has always been done by the same company. (Choose)→      (√) / (×)
- 7- What characterizes a good insulator?
- 8- What could a space elevator be used for?
- 9- ..... is an electrode connected to the negative terminal of a battery. (Complete)
10. How can acids be classified?

### Part III- Grammar and Structure (5 Marks)

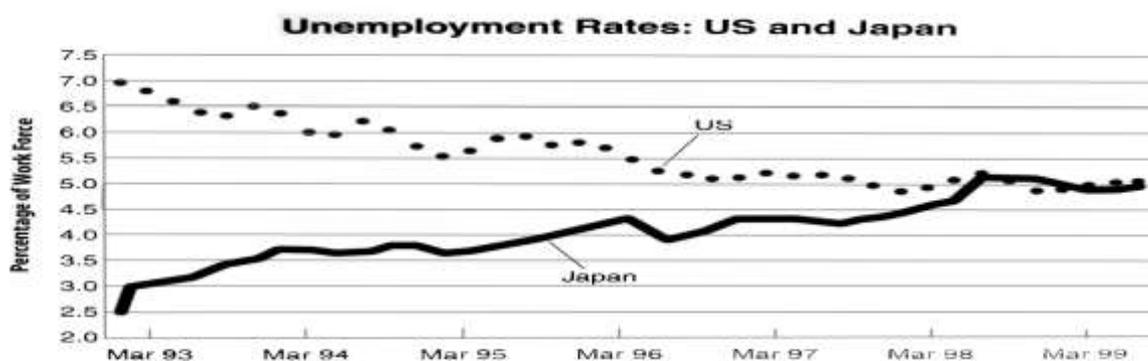
#### Do as shown in brackets:

- 1- We didn't go on holiday. Jane wasn't very keen.....leaving her house. (Complete)
- 2- Our house is (expensive) than my father's car. (Correct)
- 3- A computer prints off a letter to the vehicle owners. (Turn into passive)
- 4- Haven't you learnt the lesson.....? No, I'm ..... trying to. (Complete)
- 5- I have been living in Benha for 1990. (Correct the sentence)
- 6-If you take this medicine, you.....better. (Complete)
- 7- He is rich. He feels sad.(Use: In spite of)
- 8- Let us go to the cinema, .....?(Complete)
- 9- You .....(shouldn't – mustn't – can't) smoke beside petrol tanks.(Choose)
10. It was a very happy day. It was ----- . (Use a superlative)

### Part IV-Composition (5 Marks)

**Write a report for a university lecturer describing the information shown below:**

You should write at least 150 words. You should spend no more than 20 minutes.



*Good Luck*



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Model Answer**

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**Part I: Reading comprehension (5 Marks)**

- 1- No, between 5 and 15.
- 2- Because it is virtually impossible to remember a unique password for each of these accounts.
- 3-d) lessen
- 4- e) intelligent encryption
- 5- a) exceed

**Part II-Textbook (5 Marks)**

- 1- Inorganic acids are acids which do not contain the element carbon.
- 2- The electrodes are two wires or pieces of metal connected to a battery or a cell placed in a vessel containing an electrolyte.
- 3- a) attached = fixed                      b) descend = climb down
- 4- If someone falls into the sea, you hit the overboard button, which logs the position and ensures you to return to the same point and save that man.
- 5- Solutions
- 6- (√)
- 7- Good insulators have a resistance to the flow of electric current as much as  $2.5 \times 10^{24}$  greater than that of good electrical conductors. They also have fewer free electrons.
- 8- A space elevator could raise things into space.
- 9- The cathode
10. Acids can be classified into two groups: acids which contain the element carbon (organic acids), and acids which do not contain the element carbon (inorganic acids).

**Part III- Grammar and Structure (5 Marks)**

- 1- On
- 2- Our house is more expensive than my father's car.
- 3- A letter is printed off to the vehicle owner by a computer.
- 4- Haven't you learnt the lesson yet? No, I'm still trying to.
- 5- I have been living in Benha since 1990
- 6- If you take this medicine, you will be better.
- 7- In spite of being rich he is very sad.
- 8- Let us go to the cinema, shall we?
- 9- Mustn't.
10. It was a very happy day. It was one of the happiest days I've ever had.

**Part IV-Composition (5 Marks)**

It is left to the evaluation of the examiner.