



**Third year  
Mechanical - Power**

**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:**

Ten years ago, personal computers, CD players, satellite dishes, and microwaves were available but hardly commonplace. Most of us were only thinking about them rather than buying them. Now, of course, if we don't have them, there has to be a reason why. Nothing at first seems as so revolutionary as the latest advance; and nothing becomes mundane so quickly. And in the past thirty years ago, latest advances have been coming at us faster than any time in history. The latest advances in 1974 were the pocket calculator and the home freezer. And these were the successes. At the same time, a diet made from processed soya beans was being sold as a coming thing. Banks and telecommunications networks are working on new systems to replace old-fashioned bills and coins with smart cashcards. Now you can put or take your money from your account through the Automatic Teller Machine (ATM).

#### **A) Answer the following questions:**

- 1- What is the main advantage of the smart cashcard?
- 2- Why wasn't it easy to buy a satellite dish ten years ago?
- 3- When did the soya beans diet started to be sold?

#### **B) Choose the correct answer:**

- 4- The underlined adjective "revolutionary" means a.....
- |             |                 |                 |              |
|-------------|-----------------|-----------------|--------------|
| a) bad idea | b) good opinion | c) great change | d) late time |
|-------------|-----------------|-----------------|--------------|
- 5- ----- will replace cash money.
- |        |                |          |                |
|--------|----------------|----------|----------------|
| a) ATM | b) Smart cards | c) Coins | d) Calculators |
|--------|----------------|----------|----------------|

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

#### **A) Answer the following questions:**

- 1- How can acids be classified? Give examples.
- 2- The sides of a card board carton of milk will often curve outwards. Explain giving examples.
- 3- What is the primary application for GPS devices?
- 4-What were the two major developments in paper industry in the UK at the 18<sup>th</sup> century?
- 5- What are the factors influencing the design of Bakelite objects according to your study?

#### **B)Give words/ expressions that are equal in meaning to the followings:**

(Support/ patent/ mind out/ extinguish/ bio-degradable/ alternatives/ reinforce/ monitoring/ associated with/ ensure).

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

#### **A) Do as shown in brackets:**

- 1- Buying a used car can be difficult. Buying a new car can be difficult. (use:as---as).
- 2- He bought the more powerful stereo speaker that he could find. (Correct).
- 3- I called the tourist office to ----- hotels in the town. (Complete using:PhrasalVerb)
- 4- Julia thinks politics is interesting.(Use: "interested in").
- 5- Even though I was really tired, I couldn't sleep. (Use: "In spite of").

#### **B) Choose the correct answer:**

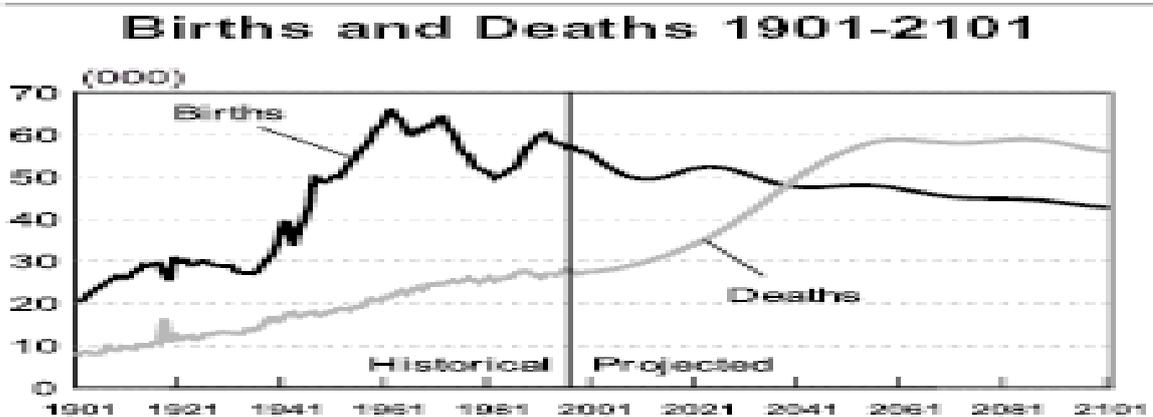
- 1- The enthusiasm with ----- he greeted me made me feel welcome.  
(a) who (b)which (c)whom
- 2- Half of the foods that we are serving to the guests ----- still in the refrigerator.  
(a) are (b)is (c)was
- 3- Water ----- to come into contact with sodium.  
(a) must allow (b) mustn't allow (c) mustn't be allowed
- 4- Steam engine is an engine which ----- steam.  
(a) works by (b) made of (c) contains.
- 5- The new CD player, ----- yesterday, was very expensive.  
(a) purchasing. (b) purchases. (c) purchased.

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

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

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

*Figure 2*



*Good luck*



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Model Answer**

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

- 1- Banks and telecommunications networks are working on new systems to replace old-fashioned bills and coins with smart cashcards. Now you can put or take your money from your account through the Automatic Teller Machine (ATM).
- 2- Because it was hardly commonplace.
- 3- In 1974.
- 4- C) great change
- 5- B) Smart cards

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

**A) Answer the following questions:**

- 1- Acids can be classified into two groups: organic and inorganic acids. Organic acids, such as fruits, lemons, and oranges; Inorganic acids such as sulphuric acid and hydrochloric acid.
- 2- This is caused by the sideways force exerted by the milk. Another example is wooden barrels and water tanks which are usually strengthened with metal bands to resist the sideways force exerted by the liquid in these containers.
- 3- Navigation is the primary application for GPS devices.
- 4-The first development was the introduction of rage engine or Hollander. The second was in the design and construction of the mould used for forming the sheet.
- 5- The design of Bakelite objects was governed to a large extent by the technical requirements of the moulding process.

**B)Give words/ expressions that are equal in meaning to the followings:**

- Support: reinforce\ strengthen.
- Patent: discover, invent, made.
- Mind out: watch out, be careful.
- Extinguish: stop fire, prevent the fire spreading out.
- Bio-degradable: don't break down easily in the environment.
- Alternatives: other(materials).
- Reinforce: strengthen.
- Monitoring: directing, detecting movement.
- Associated: linked to.
- Ensure: make sure , be certain of something.

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

**A) Do as shown in brackets:**

- 1-Buying a used car can be as difficult as buying a new car.
- 2-He bought the most powerful stereo speaker that he could find.
- 3-Find out.
- 4-Julia is interested in politics.
- 5-In spite of being tired, I couldn't sleep.

**B) Choose the correct answer:**

- 1- (b)which
- 2- (a) are
- 3-(c) mustn't be allowed
- 4- (a) works by
- 5- (c) purchased.

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

It is left to the evaluation of the examiner.