



(I)Textbook:

A- Answer the following questions:

- 1) What is the difference between science and technology?
- 2) How are the products of technology related to one another?
- 3) What are the conventional source of energy?
- 4) What are the restrictions of power supply?
- 5) What is the process of fission?

B. Put True (✓) or False (X):

- (1) A layer of air surrounds the earth.
- (2) A layer of air is called an atmosphere.
- (3) Air can be seen.
- (4) Air is a visible substance.

(II) Grammar and Structure:

A. Choose the correct answer;

1. She (goes - go - went) to Alex last summer.
2. I usually (wake up - woke up - wakes up) early.
3. (Either - Neither - Both) fixed and variable resistors are made.
4. This e-mail (sends - sent - was sent) by my best friend.
5. Your stomach pain is the (effect – affect – effective) of over eating
6. (Although - But - And) Ahmed likes bananas; I don't like them at all.
7. I'm not going anywhere today (because - because of - so that) the rain.
8. The letter (being – is – is being) typed now by the secretary.
9. The instructor (will answer - answer - answers) the questions tomorrow.
10. In old days people (travel – traveled – travels) on horsebacks.
11. English (is speaking - speaks - is spoken) all over the world.
12. He looked (up - into - about - after) the new words in his dictionary.
13. The focus control is (for – to – on) focusing the electron lens.
14. If we had taken your advice, we (saved - would save - will save –would have saved) a lot of time.
15. (Unless - Because - Although) all metals are conductors, some metals do not conduct.

III: Reading comprehension

Read the following passage and then answer the questions:

Solar power is technology that uses energy from the sun. The sun's heat and light can be turned into electricity. Scientists are now working on ways to use solar power instead of petrol for vehicles. Solar-powered vehicles have batteries which are charged by the sun's rays. Unfortunately, the batteries run out very quickly and it takes a long time to charge them again. Some British students who were studying science in Oxford decided to build a solar-powered bicycle and enter an international race. They had to raise money for the project and train for the race. **Local** companies helped by giving them money and equipment. The race was in a place where the land is flat and the sun shines strongly. The riders had to do 7 laps of the course. Then they had a two-hour break to recharge their batteries. Finally, they had to do 5 more laps. Each lap was 4 km long. The team finished second and they were very pleased with the result.

A) Answer the following questions:

1. Where does the solar energy come from?
2. What disadvantages do solar-powered vehicles have?
3. How could the students raise money for their project?

B) Choose the correct answer from a, b, c or d:

4. How long was the race?
a) 52 km. b) 48 km. c) 12 km. d) 4 km.
5. The underlined word "**Local**" means something which.....
a) has money b) involves many countries
c) relates to a particular place d) makes technology

IV- Writing a paragraph

Write a paragraph on only ONE of the following topics:-

1. Mechanical Engineering.
 2. Science and Technology.
 3. Solar Energy.
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Good Luck



Faculty of Engineering
Subject: English

Mechanical (Manufacture)
3rd year Makeup 2014
Time: 2 hour

(I) Textbook:

A- Answer the following questions:

- 1) Technology is different from science in a sense the property of the country which develops it.
- 2) Almost all innovations are produced from previous innovations.
- 3) Fuel.
- 4) When the fissionable material has been exhausted.
- 5) Heavy atoms split into half.

B. Put True (✓) or False (X):

- 1) (✓) 2) (X) 3) (✓) 4) (✓)

II- Grammar and Vocabulary

A. Choose the correct answer;

- 1) went 2) wake up 3) Both 4) was sent 5) effect
- 6) Although 7) because of 8) is being 9) will answer 10) traveled
- 11) is spoken 12) up 13) for 14) would have saved 15) Although

III- Reading Comprehension

Answer the following questions:-

1. From the sun.
2. Solar-powered vehicles have batteries which are charged by the sun's rays. Unfortunately, the batteries run out very quickly and it takes a long time to charge them again.
3. Local companies helped by giving them money and equipment.

B) Choose the correct answer from a, b, c or d:

4. b) 48 km.
5. c) relates to a particular place.

IV- Writing a paragraph

Writing is assessed by the examiner.