



1) Write a paragraph on (only one of the following) : (10 degrees)

- One of the engineering branches.
- The most important invention in the last 50 years.
- Famous place or places you would like to visit.

2) Read the following passage and answer the questions : (10 degrees)

Scientists believe that twenty years from now we will be seeing driverless buses on the streets of major cities. This might seem unbelievable, but bus design experts are working in laboratories trying to design driverless buses. An automated means of transport wouldn't only be really reliable but also cheaper and environmentally friendly because the buses would run on electricity or by fuel.

Research has shown that nearly 60% of the running cost of a bus is spent on the driver. Therefore, the use of a driverless bus would inevitably reduce operating costs. The vehicle is able to navigate by combining satellite technology with a special system. This system uses magnets which are positioned in the road. Driverless buses will probably make our everyday lives easier. However, we must consider what will happen to the bus drivers who will eventually find themselves unemployed if this project becomes a reality.

A) Answers the following questions:

- What are bus design experts trying to do?
- What is meant by (environmentally friendly)?
- Mention one of the drawbacks of driverless buses?

B) Choose the correct answer:

4- It's expected that traveling on driverless buses will be.....

- a- smoother b- harder c- tougher d- more difficult

5- Driverless buses will certainly..... operating costs.

- a- decrease b- double c- increase d- raise

3) Language Structure : (10 degrees)

A. Do as Shown :

- He shall know of their murderous plan! (Begin with: The heroine Screamed....).
- I've often thought about how (get) more by (spend) less money. (Correct the verbs).
- Father (need) a holiday now as he (work) very hard for a long time. (Correct the verbs).
- Sorry, I can't accept your invitation. I (meet) Aunt Elizabeth for lunch on Friday.
(Correct the verbs using future sense).
- Give me that dictionary on the top shelf,? (Add tail question).
- After he (tell) her that, the receptionist (ask) him to sign the register. (Correct the verbs).
- He never got bored country life. (Put preposition).

(10 degrees)

B. Correct the following sentences:

1. Shall you ask Mr. Brown to join me here, please?
2. Tell the landlord that I will not pay the rent until he mends the roof.
3. You might become nothing at all, if you don't begin to work soon.
4. New books are sometimes expensive. Yes, but this book is one of the cheaper books.
5. Many of these old people can no longer do very many outdoor works.
6. Come to dinner some evening next week and bring anyone you like with you.
7. I hope you don't yet have difficulties with these words.
8. The strawberries we had for tea were very good, hadn't they?
9. Where are you going tonight? I'm going no body.
10. We live here for many years so we know the district well.

4) Definition :

A. Define the following terms :

(10 degrees)

- Textile engineering - Science - Marine engineering
- Genetic engineering - Electrical engineering.

B. Write the names of the following definitions:

(10 degrees)

- 1) The study of physical systems at temperatures less than 183 °C.
- 2) A branch of engineering deals with separating metals from their ores and preparing them for use.
- 3) The study of the way information is moved and controlled by the brain or by the machinery.
- 4) A branch of engineering applies engineering analysis and techniques to the production of goods and services.
- 5) A computer that works directly with a physical quantity such as weight or speed.

5) Translation :

A. Translate the following terms into Arabic :

(10 degrees)

- Extractive metallurgy - Integrated Circuits - Transformers - Ignition systems
- Building codes - Botany - Guided missiles
- Astrophysics - Bioclimatology - Distribute Electricity

B. Translate into English :

(10 degrees)

- ♦ تتضمن التكنولوجيا استخدام الأدوات والآلات والمواد والمعلومات ومصادر الطاقة لتيسير العمل وزيادة إنتاجيته.
- ♦ وتساعد التكنولوجيا الإنسان بتوفير مزيد من الغذاء والدواء ووسائل الوقاية من الأمراض .