University of Bejaia | Year: 2017/2018 | Family name.....
Department of Technology | Duration: 1h30 | First name.....
Level: 1st year LMD | Section/Group.....

First Term Catch Up Exam of English

Text:

Electrical engineering is one of the newer branches of engineering, and dates back to the late 19th century. It is the branch of engineering that deals with the technology of electricity. Electrical engineers work on a wide range of components, devices and systems, from tiny microchips to huge power station generators. Early experiments with electricity included primitive batteries and static charges. However, the actual design, construction and manufacturing of useful devices and systems began with the implementation of Michael Faraday's Law of Induction, which essentially states that the voltage in a circuit is proportional to the rate of change in the magnetic field through the circuit. This law applies to the basic principles of the electric generator, the electric motor and the transformer. The advent of the modern age is marked by the introduction of electricity to homes, businesses and industry, all of which were made possible by electrical engineers. Some of the most prominent pioneers in electrical engineering include Thomas Edison (electric light bulb), George Westinghouse (alternating current), Nikola Tesla (induction motor), Guglielmo Marconi (radio) and Philo T. Farnsworth (television). These innovators turned ideas and concepts about electricity into practical devices and systems that ushered in the modern age.

I- Reading Comprehension: (5 pts)

1- Give a suitable title to the text.

.....

2- Answer the following questions:

a- What is electrical engineering?

.....

.....

.....

b- Who are the pioneers in electrical engineering?

.....

.....

.....

3- Give synonyms to the following words:

a- applies = **b-** devices =

4- Give opposites to the following words:

a- modern = /= **b-** wide =/=

II- Mastery of Language: (13 pts)

1- Give the appropriate word corresponding to the phonetic transcription.

- /æktʃuəl/ :
- /bɪgæn/ :
- /fild/ :
- / kərənt/ :

2- Choose among the list the suitable word to complete the sentence.

- Ann walks	A- heavy	B- heavily
- Betty is a ..... woman.	A- beautiful	B- beautifully
- Jinn speaks Chinese	A- fluent	B- fluently
- David arrived	A- late	B- lately
- Sue learned Japanese	A- quick	B- quickly

3- Classify the following words according to the pronunciation of the final "s":
Deals – charges – applies – businesses – states – components – pioneers – devices.

/s/	/z/	/iz/

4- Say whether the following sentences in bold are relative clause, dependent clause or independent clause.

- **You are not going to pass the test** unless you start working much harder.
  .....
- **Since I came to Germany** I have not once played tennis.
  .....
- Do you know the girl, **who is talking to Tom?**
  .....

5- Give the correct form of the verbs in the following sentences:

- He does not answers to my emails.

.....

- Alicia writed a love poem on a restaurant napkin yesterday.

.....

- The cats lies in the shade under our cars.

.....

III- Writing Expression: (2pts)

Fill in the gaps with the following words: branched – transmission – electronics – signal processing

Since its early beginnings, the field of electrical engineering has grown and ..... out into a number of specialized categories, including power generation and ..... systems, motors, batteries and control systems. Electrical engineering also includes ....., which has itself branched into an even greater number of subcategories, such as radio frequency (RF) systems, telecommunications, remote sensing, ..., digital circuits, instrumentation, audio, video and optoelectronics.

Best of Luck

University of Bejaia
Department of Technology
Level: 1st year LMD
Year: 2017/2018

Correction of the 1st English Catch up Exam.

I- Reading Comprehension: (5 pts)

1- Give a suitable title to the text.

Electrical engineering.

2- Answer the following questions: (2pts) * 1 x 2

a- What is electrical engineering?

- It is the branch of engineering that deals with the technology of electricity.
- Electrical engineers work on a wide range of components, devices and systems, from tiny microchips to huge power station generators.

b- Who are the pioneers in electrical engineering?

- Thomas Edison (electric light bulb)
- George Westinghouse (alternating current)
- Nikola Tesla (induction motor)
- Guglielmo Marconi (radio)
- Philo T. Farnsworth (television).

3- Give synonyms to the following words: 1 pt (0.5x2)

a- applies = carries out b- devices = instruments, equipment

4- Give opposites to the following words: 1 pt (0.5x2)

a- modern = /= ancient b- wide =/= small

I- Mastery of Language: (13 pts)

1- Give the appropriate word corresponding to the phonetic transcription.

2pt (4x0.5)

- /æktʃuəl/: actual
- /bɪgæn/: begin
- /fild/: field
- / kərənt / : current

2- Choose among the list the suitable word to complete the sentence. 2.5pts (0.5x5)

- Ann walks heavily.
- Betty is a beautiful woman.
- Jinn speaks Chinese fluently.
- David arrived late. (lately).
- Sue learned Japanese quickly.

3- Classify the following words according to the pronunciation of the final "s":

4 pts (0.5x 8)

/s/	/z/	/iz/
states – components	Charges – applies – pioneers- deals	Businesses – devices

4- Say whether the following sentences in bold are relative clause, dependent clause or independent clause. **3pts (1x 3)**

- **You are not going to pass the test** unless you start working much harder. **Independent clause.**
- **Since I came to Germany** I have not once played tennis. **Dependent clause**
- Do you know the girl, **who is talking to Tom? Relative clause**

5- Give the correct form of the verbs in the following sentences: **1.5 pts (0.5x 3)**

- He does not **answer** to my emails.
- Alicia **wrote** a love poem on a restaurant napkin yesterday.
- The cats **lie** in the shade under our cars.

II- Writing Expression: 2pts (4x0.5)

Fill in the gaps:

Since its early beginnings, the field of electrical engineering has grown and **branched** out into a number of specialized categories, including power generation and **transmission** systems, motors, batteries and control systems. Electrical engineering also includes **electronics**, which has itself branched into an even greater number of subcategories, such as radio frequency (RF) systems, telecommunications, remote sensing **signal processing**, digital circuits, instrumentation, audio, video and optoelectronics.

Best of Luck