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The New secondary school-Ghamra Level/2nd year exp scie+ MT

The second Examination of English

Read the text carefully,then do the following activities:

Scientists test WiTricity – wireless electricity

A team of US researchers has come up with an electricity system that does not need wires. This is a breakthrough in what will hopefully be a wireless future. The scientists, from the Massachusetts Institute of Technology, lit a 60-watt light bulb using magnetic fields. In the test, the power source was just two metres away from the light, but the team hopes they will soon be able to send electricity longer distances through the air. **They** have dubbed their new invention "WiTricity", or wireless electricity. Although wi-fi has been around for some years now, **it** has been limited to the transmission of information, especially between computers and modems, printers and scanners. This is the first time electrical appliances have been powered wirelessly.

This new development means that our houses may be free from tangled wires. Gone will be the days of having to unplug the vacuum to go from room to room, and of having countless plugs hidden behind the TV and stereo. The new source of delivering power to gadgets remotely may also reduce the number of fires caused by poor wiring and overloaded sockets. It turns out the concept is not so new. A century ago, inventor Nikola Tesla struck upon the idea of building a huge tower in New York **that** would wirelessly beam power to the city. Unfortunately, his idea never came to fruition, until today, that is. It will still be a while before we have wireless homes and offices. Safety experts will be checking closely to ensure the power source causes us no harm.

BreakingNewsEnglish.com/13th June,2007

Ex1/Is the text above: a-Narrative. b-Expository. c-Argumentative.

Ex2/Say if these statements (True) or (False) according to the text:

a-Scientists have tested a radio that doesn't have wires inside it.
b-Scientists have sent electricity two meters through the air.
c-Wi-fi is a concept that first originated at the end of last year.
d-WiTricity may reduce the number of household electrical fires.

Ex3/Fill in the chart with information from the text:

The new invention

Name?	Inventor?(who)	Where?	Description.what is it?

Ex4/Answer these questions according to the text:

a-Did scientists use wi-fi to transmit electricity,before?
b-Why does the writer believe that "WiTricity" is safer?

Ex5/What or who do the underlined words refer to in the text:

a-They(§1) b-It(§1) c-That(§2)

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Text exploration:

Ex1/Match words in column(a) with their synonyms in column (b):

A-words	B-synonyms
1-Breakthrough	a-gadgets
2-dubbed	b-called
3-transmission	c-revolution
4-appliances	d-send out

Ex2/Which adjectives can be derived from these words:

Electricity – state – power – America

Ex3/Put the verbs between brackets in their correct forms:

a-If you (to mix) oxygen with hydrogen, you(to get) water.
b-What (to happen) to you if you (to touch) a wire of electricity??

Ex4/ Mark the stress on the following words:

Electricity – invention – technology – economic.

Ex5/Fill in each gap with only one word from the list below:

(energy – natural – experiments – use)

Electricity is one of our greatest……1…… sources and one of the few……2……energy sources.Franklin's electricity……3……were the first scientific venture into the nature and……4…… of electricity and uncovered its true nature.

Written expression: Choose either topic1 or topic2:

Topic1/Your school life is full of scientific experiments…In no more than 15 lines tell us about an experiment you did or you saw(in physics- biology-chemistry……)
These notes may help you:
1-Introduce the experiment/observation.
2-Hypothesis.
3-Describe the steps of experiment.
4-Report the results.

Topic2/Suppose that your friend needs your advice. He/she suffers from stress, sadness, lost of self confidence……Write a letter in which you express your sympathy and give him/her some recommendations.

Good luck for all

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