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OPEN UNIVERSITY OF SRI LANKA

COURSE IN ENGLISH FOR TECHNOLOGY 2008/2009 LSL 1201/ LSL 1301 (LSL 3201)

PART I

FINAL EXAMINATION

Date: 21st April 2009

Time: 03 hours

Index No:

Centre:

Instructions: Answer All Questions.

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Question No:	Marks Obtained	Maximum
Part A 1	15
2	10
Part B 3	20
4	12
Part C 5	18
6	<u>25</u>
Total		100
	=====	====

Signature of Examiner :

Name :

- 7) Bandara parents are doctors, do not wish to be a doctor.
a) Who c) whose
b) whom d) that
- 8) Sometimes animals in laboratory experiments.
a) used c) are used
b) using d) being used
- 9) The conference went according to plan the confusion over what was said by the last speaker.
a) except for c) excepting for
b) accept for d) excepted for
- 10) The boy hurt when he jumped off the running bus.
a) him c) himself
b) his d) hisself
- 11) Do you know ?
a) where the library c) where library is
b) where the library is d) library where is
- 12) The lower the speed is the density of smoke from oil burning in the combustion engine.
a) the great c) the greatest
b) the greater d) the very great
- 13) Shirani bought a handbag yesterday.
a) leather black small
b) black leather small
c) small black leather
d) leather small black

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14) Technological advances in every sphere of activity today.

- a) have seen
- b) seeing
- c) is seen
- d) was seen

15) The lecturer

- a) told students to submit their assignment at the end of the week.
- b) said students to submit their assignment at the end of the week.
- c) told the students to submit their assignment at the end of the week.
- d) said to the students to submit their assignment at the end of the week.

(15 marks)

2. Fill in the blanks in the following passage with suitable words . Use only ONE word in each blank space.

Metals are used for a variety of engineering purposes, depending on the properties of the metals. Certain common metals (1)..... malleable and also have ductile properties. If (2)..... metal is malleable, it (3)..... be hammered or pressed (4)..... a new shape. Copper is (5)..... good example of this. It (6)..... also a ductile material because (7)..... can be stretched into another shape. (8)..... properties are found in lead, although (9)..... is less ductile than copper. Copper (10)..... a good conductor of electricity and is frequently used in electrical conductors.

10
(15 marks)

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Part B - Writing

3. Read the instructions given below and write them in the past passive voice. Use sequence markers.

1. Set up the electric circuit.

.....
.....

2. Set the variable resistor so that the voltmeter reads '0' volts.

.....
.....

3. Join the two terminals with a piece of copper wire.

.....
.....

4. Use the variable resistor to increase the voltage.

.....
.....

5. Light the lamp to prove that copper wire conducts electricity.

.....
.....

(20 marks)

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11. to allow consumers to recognize different types of plastic. This allows
12. the sorting of these recyclable plastics from other solid waste and helps
13. to make the process viable. The imposition of cash deposits on non -
14. refillable liquid containers also encourages consumers to return the
15. plastic container to a collection center for recycling. Plastics are not
16. usually re-formed into their original products. The PET of plastic drink
17. bottles may be reused as plastic tiles, carpet backing or as containers for
18. non - food products, while recycled HDPE may appear in garbage cans,
19. flowerpots or so - called 'plastic lumber' used for fencing, Polystyrene,
20. cleaned and palletized, is most commonly used for insulation and
21. packaging. Where plastics are not separated for recycling, they are
22. shredded and converted into products in which the properties of a
23. specific. type of plastic are not required. Despite the availability of
24. technology to recycle plastics, it is not generally viable without selective
25. collection or some form of automatic sorting. Separation from domestic
26. garbage is not economical and as a result only about 20 percent of the
27. easily recycled plastics are recycled.

(Source: The Environmental Dictionary – *David Kemp*)

Questions

1. According to Paragraph 01 why is it necessary to recycle plastics?

(02 marks)

2. Why is it not possible to return all thermoplastics to their original state?

(03 marks)

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3. Why is recycling of certain plastics done on a coding system?

(03 marks)

4. What is the advantage of imposing a cash deposit on non - refillable liquid containers?

(02 marks)

5. Explain in your own words why only 20% of the plastics that could be recycled, is recycled?

(03 marks)

6. Explain the meaning of the following word/phrases in your own words.

i) conserving in Paragraph 01 line 01

ii) converted in Paragraph 01 line 22

(02 marks)

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7. What do the following words refer to in the passage?

i) these in Paragraph 01 line 06

ii) this in Paragraph 01 line 11

iii) they in Paragraph 01 line 21

(03 marks)

6. Read through the following passage and answer the questions given below.

1 Mobile phones are commonly used by people all over the world.
2 However in a study undertaken by Italian researchers questions are again
3 raised about mobile phones and their possible effects on the brain, and
4 their link to cancers. If industry estimates are to be believed as many as
5 730 million cell phones will be sold this year, to add to the 2 billion
6 already in use around the world.

7 More than 500 million of these are a type that emits
8 electromagnetic fields (EMFs) known as Global System for Mobile
9 communications or GSM radio phones and their possible effects on the
10 brain are unclear and controversial. Many studies have looked at the
11 effects of EMFs on the body, but few have focused on their effects on the
12 brain. Such effects could be harmful, neutral, or even beneficial and
13 might be particularly important for individuals with suffering from
14 illnesses, such as epilepsy.

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15 In their study Dr. Paolo Rossini of Fatebenefratelli hospital in
16 Milan and his colleagues used Transcranial Magnetic Stimulation or TMS
17 to check brain function while people were using such phones. Fifteen
18 young male volunteers used a GSM 900 cell phone for 45 minutes and the
19 researchers found that in 12 of the 15, the cells in the motor cortex
20 adjacent to the cell phone showed excitability during phone use but
21 returned to normal within an hour. The outside layer of the brain and the
22 motor cortex is known as the 'excitable area' because magnetic
23 stimulation has been shown to cause a muscle twitch.

24 The researchers say they have not shown that using a cell phone is
25 bad for the brain in any way, but warn that people with conditions such as
26 epilepsy, linked with brain cell excitability, could be affected. They say
27 more studies are needed to understand what this means in order to
28 provide safe rules for the use of cell phones. A range of studies from
29 across the globe have come up with a mixed bag of results as to the
30 dangers of using cell phones are not clearly identified yet.

Questions

1. a) According to paragraph 01 what was the research about?

(02 marks)

- b) By whom was the research carried out?

(01 mark)

