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OPEN UNIVERSITY OF SRI LANKA

COURSE IN ENGLISH FOR TECHNOLOGY 2008/2009 LSL 1201/ LSL 1301 (LSL 32-01) PART I

FINAL EXAMINATION

Date:

21st April 2009

Time:

03 hours

Instructions:

Answer All Questions.

Index No:

Centre:

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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 E	Examiner	:		
Name		:		

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Part A - Grammar and Vocabulary

					,	*******************************
Com	olete tl	ie sentences given	below by u	nderli	ning a, b, c, or d.	
4 6 1 1 1						
1)	Since	e ancient times man	-	reco	gnised that sunlight i	s a
1)		erful source of energ		1000;	simbou mar yannisiir i	
	a)	is	53.	c)	have	***************************************
-	-		•	d)		
	b)	has		<u>u)</u>	was	
2)	Elect	trons orbit round the	e nucleus		the atom.	
2)	a)	of	·	c)	at .	
	•	in		d)	on	
	b)			u)	Off	
2)	Com	e post – graduate	a otudante	ore in	wolved	
3)			5 Students	arc ii		
		nological research.		۵)	:	
•	a)	on League le la di at	•	c)	in Transport	
	b)	at Distribution of the		d)	from	***************************************
45	Classes	- 4	by the con	nrecci	on of molecules of a	ir
4)		•	by me con			
	a)	created		c)	was created	
	b) .	is created		d)	are created	
		• •		.1		
5)		perature is measure	ed '			*******************
	a)	on		c)	with	
	b)	by		d)	in	
	_				· •	
6)			located at	a	elevation t	
	well			,		`
	a)	low	c)	low		
	b)	lower	d)	very	low	1

		•	•		use omy
7)	Band	lara parent	s are doctors	, do not wish to be	а
;	docto	or.			***************************************
	a) .	Who	c)	whose	
	b) .	whom	d)	that	

8)	Some	etimes animals	in laborator	ry experiments.	•••••••
•	a)	used	c)	are used	•••••
	b)	using	d)	being used	•••••••
			-		,
9)	The o	conference went accordi	ng to plan	the confusion	n
	over	what was said by the las	t speaker.	·	
	a)	except for	c) ·	excepting for	
	b)	accept for	d)	excepted for	•••••
		•			•••••
10)	The l	ooy hurt when	n he jumped o	ff the running bus.	••••••
	a)	him	c)	himself	
	b)	his	d)	hisself	•••••

11)	Do y	ou know?			***************************************
	a)	where the library	c)	where library is	•••••••
	b)	where the library is	d)	library where is	
			•		
12)	The l	il			
	burni				
	a)	the great	c)	the greatest	
	b)	the greater	d)	the very great	•••••
					••••
13)	Shira	mi bought a	handbag yeste	erday.	
	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 c) is seen	
		b) seeing 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 i	in the blanks in the following passage with suitable words. Use	
	only	ONE word in each blank space.	
	Meta	als are used for a variety of engineering purposes, depending on the	
	prop	erties of the metals. Certain common metals (1)	,
	malle	eable and also have ductile properties. If (2) metal is	
	maile	eable, it (3) be hammered or pressed	
	(4)	a new shape. Copper is (5) good	
		nple of this. It (6) also a ductile material because	
		can be stretched into another shape. (8)	
		perties are found in lead, although (9) is less ductile than	
		per. Copper (10) a good conductor of electricity and is	1
		t 1' 1	
	neq	uently used in electrical conductors. (F5 marks)	
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	Part 1	B - Writing	
3.	Read	the instructions given below and write them in the past passive	
		Use sequence markers.	
	1.	Set up the electric circuit.	
	1.	Set up the block to chourt.	

	2.	Set the variable resistor so that the voltammeter reads `o' volte.	************************

	•		***************************************
	3.	Join the two terminals with a piece of copper wire.	
1.5			********************

	•		
		•••••••••••••••••••••••••••••••••••••••	***************************************

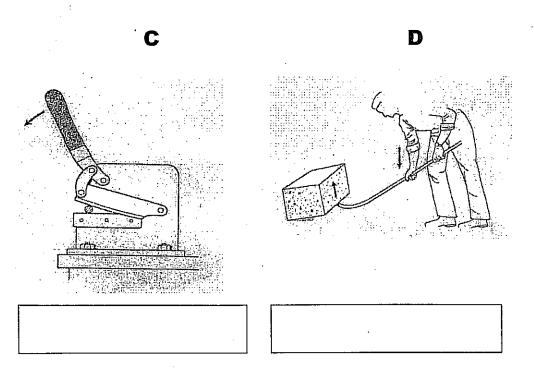
	4.	Use the variable resistor to increase the voltage.	

			•••••••••
	_		
	5.	Light the lamp to prove that copper wire conducts electricity.	***************************************
		•••••	
		•	
		(20 marks)	

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4.	Study the given pictures carefully.	
	i) choose a suitable verb from the list given to fill in the	***************************************
	blanks	
	ii) write correct instructions under each picture	•••••

	Verbs: pull, push press, turn	***************************************
	(12 marks)	,
	Instructions	
1.	the largest pedal to stop the car.	
2.	the gear wheel anticlockwise to raise the drill.	
3.	the bar down to raise the load	
4.	the handle down to cut the metal bar.	
	A 39	
•		



Part C - Reading

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Answers should be written in complete sentences in your own words as far as possible. Marks will be deducted for grammar and spelling mistakes

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

The recycling of plastics is seen as a means of <u>conserving</u> resources, saving money and reducing the flow of waste products to the environment. In theory, all thermoplastics are recyclable, but because of contaminants – for example, colouring pigments- and products contained in plastics and other materials, it is not possible to return all thermoplastics to <u>their</u> original state. The most commonly recycled plastics are PET (polyethylene terephthalate) used in soft drink bottles, HDPE (high density polyethylene) used in larger containers, particularly those for corrosive liquids, and polystyrene used in fast food containers, cups and plates. Recycling of these products is done on a coding system

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use only. to allow consumers to recognize different types of plastic. This allows ***************** the sorting of these recyclable plastics from other solid waste and helps to make the process viable. The imposition of cash deposits on non -refillable liquid containers also encourages consumers to return the plastic container to a collection center for recycling. Plastics are not usually re-formed into their original products. The PET of plastic drink bottles may be reused as plastic tiles, carpet backing or as containers for non - food products, while recycled HDPE may appear in garbage cans, flowerpots or so - called 'plastic lumber' used for fencing, Polystyrene, cleaned and palletized, is most commonly used for insulation and Where plastics are not separated for recycling, they are packaging. shredded and converted into products in which the properties of a specific. type of plastic are not required. Despite the availability of technology to recycle plastics, it is not generally viable without selective collection or some form of automatic sorting. Separation from domestic garbage is not economical and as a result only about 20 percent of the easily recycled plastics are recycled. (Source: The Environmental Dictionary – David Kemp) Questions According to Paragraph 01 why is it necessary to recycle plastics? (02 marks) 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
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	
A sec.	recycled, is recycled?	Trace of the second
		da a series

	(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) <u>these</u> in Paragraph 01 line 06	111111111111111111
		••••••
	ii) <u>this</u> 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	
٠	below.	•••••
	Mobile phones are commonly used by people all over the world.	
	However in a study undertaken by Italian researchers questions are again	
•	raised about mobile phones and their possible effects on the brain, and	• • • • • • • • • • • • • • • • • • • •
	their link to cancers. If industry estimates are to be believed as many as	1 * 1 1 * * * * * * * * * * * * * * * *
	730 million cell phones will be sold this year, to add to the 2 billion	
	already in use around the world.	
	More than 500 million of these are a type that emits	
	electromagnetic fields (EMFs) known as Global System for Mobile	• • • • • • • • • • • • • • • • • • • •
	communications or GSM radio phones and their possible effects on the	
	brain are unclear and <u>controversial</u> . Many studies have looked at the	
	effects of EMFs on the body, but few have <u>focused</u> on their effects on the	
	brain. Such effects could be harmful, neutral, or even beneficial and	***************************************
	might be particularly important for individuals with suffering from	
	illnesses, such as epilepsy.	

use only. In their study Dr. Paolo Rossini of Fatebenefratelli hospital in 15 16 Milan and his colleagues used Transcranial Magnetic Stimulation or TMS to check brain function while people were using such phones. Fifteen 17 young male volunteers used a GSM 900 cell phone for 45 minutes and the 18 researchers found that in 12 of the 15, the cells in the motor cortex 19 adjacent to the cell phone showed excitability during phone use but 20 returned to normal within an hour. The outside layer of the brain and the 21 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 bad for the brain in any way, but warn that people with conditions such as 25 epilepsy, linked with brain cell excitability, could be affected. They say 26 more studies are needed to understand what this means in order to 27 provide safe rules for the use of cell phones. A range of studies from 28 across the globe have come up with a mixed bag of results as to the 29 dangers of using cell phones are not clearly identified yet. 30 Questions According to paragraph 01 what was the research about? 1. a) (02 marks) By whom was the research carried out? b) (01 mark)

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2.	Is this	s statement `True' or `False'?	
	`Only	about 730 million cell phones have been sold around the world.'	***************************************
	Suppo	ort your answer.	

		(02 marks)	
3.	a)	What does EMF stand for?	
		(01 mark)	
	b)	Why is it mentioned in the passage?	
			• • • • • • • • • • • • • • • • • • • •
		(02 marks)	
4.	a)	According to the passage what was the result of the study made	
		by Dr. P. Rossini and his Colleagues?	
The sect			
	. *		
	•		
		(03 marks)	
	b)	What is opinion of these researchers?	
	υ,	What is opinion of those fosculonois.	
	•	(02 montrs)	
5.	Ermio	(03 marks)	
٥.	Expia	in the following in your own words.	
		'A range of studies from across the globe have come up with a	•••••••
		mixed bag of results' (lines 27 & 28)	
			• • • • • • • • • • • • • • • • • • • •
		(03 marks)	,

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. ·			Use only.
6.	What d	o the following words refer to in the passage?	• • • • • • • • • • • • • • • • • • • •
0.	YY HUL G	3 40 424-11-11-11	******
	i)	these in Paragraph 01 line 07	************
	1)	these in I diagraps	****
		their study in Paragraph 03 line 15	
	ii)	then study in turugruph	
	***	they in Paragraph 04 line 24	
	iii)	they in Paragraph 04 line 2.	
	•	(03 marks)	
		·	
7.		in the meaning of the following word/phrases in your own	
	words		
.*	Property of	6. 100 time 10	
÷	i)	controversial in Paragraph 02 line 10	
	i english Cultimater Anno english		
	ii)	linked in Paragraph 02 line 11	
		·	
	iii)	linked in Paragraph 04 line 26	
		(03 marks)	
8.	Give	a title to the passage. (Do not exceed eight words)	
•			
		(02 marks)	
	·		
			.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
			.,