



**OPEN UNIVERSITY OF SRI LANKA**  
**COURSE IN ENGLISH FOR TECHNOLOGY 2008/2009 LSL 2201 (LSL 4201)**  
**PART II**  
**FINAL EXAMINATION**

Date: 21<sup>st</sup> April 2009  
 Time: 03 hours

Index No:  Centre:
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Instructions: Answer All Questions.

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Question No:	Marks Obtained	Maximum
Part A 1	.....	15
2	.....	15
Part B 3	.....	30
4	.....	16
Part C 5	.....	24
<b>Total</b>		<b>100</b>
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Signature of Examiner : .....

Name : .....

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**Part A - Grammar and Vocabulary**

1. (A) **Fill in the blanks in the following sentences with the appropriate form of the words given in the brackets. Spelling mistakes will be penalized.**
- 1) Astronauts wear gold – plated heat shields for .....  
(protect) when they go outside the space ship.
  - 2) You must service your vehicle ..... (regular)  
for efficient fuel consumption.
  - 3) Researchers continue to work on the development of an efficient  
..... (electric) powered automobile.
  - 4) ..... (construct) of houses in many parts  
of the world depends mainly on the availability of building  
materials.
  - 5) The number of traffic deaths have increased .....  
(sharp) during the latter part of the year.
  - 6) Graduates with ..... (engineer) and  
business degrees are in great demand .
  - 7) My neighbour is highly ..... (suspicion) of  
the young men strolling along the road.
  - 8) The students who had received a pass grade in English,  
..... (write) a thank you letter to their lecturer. .
  - 9) Earthquakes which are among the most destructive natural  
disasters cannot be ..... (predict) with  
any accuracy.
  - 10) The admission cards ..... (send) by ordinary mail.

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(10 marks)

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(B) Fill in the blanks in the following sentences with suffixes or prefixes to make the sentence meaningful.

- 1) Our final ..... (examine) will start today.
- 2) Technology plays an important part in the ..... (develop) of a country.
- 3) The..... (management) of funds led to the closure of the industry.
- 4) The lecturer advised the students to ..... (examine) the possibility of conducting a few extra classes.
- 5) Petroleum is a ..... (pure) form of crude oil.

(05 marks)

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

A fuel may be simply defined as any substance, which on burning or decomposing produces heat. This heat may then (1)..... used to produce steam (2)..... drive turbines, generators, engines (3)..... industrial machines. Fuels are (4)..... fact the very basis (5)..... industry. The same quantity (6)..... different fuels would not (7)..... the same amount of heat. (8)..... quality of a fuel can (9)..... measured in terms of (10)..... calorific value. The calorific value (11)..... fuel was earlier expressed (12)..... terms of calories of heat. Now (13)..... calorific value is expressed in (14)..... of mega joules per kilogram (15)..... fuel. One calorie was the amount of heat required to raise the temperature of one gram of water through 1° c.

(15 marks)

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Handwriting, spelling, punctuation and grammatical errors will be taken into account when awarding marks.

**Part B - Writing**

3. Write an essay on any one of the following topics.
- a) The importance of English education in your field of study.
  - b) Public transport in Sri Lanka
  - c) Earthquakes are the most destructive natural disasters known to man. Discuss.

**Your essay should contain**

- i) at least 05 paragraphs including an introduction and a conclusion.
- ii) Each paragraph must contain at least 4 sentences.

(30 marks)

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Part C - Reading

Answers should be written in complete sentences in your own words as far as possible. Marks will be deducted for answers copied from the passages.

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

1 Technological advances are seen in every sphere of activity  
2 today and telecommunication is no exception. Telecommunication  
3 facility is no longer considered a luxury. Much work can be executed  
4 from one's residence if the telecom facility is available. It also helps  
5 to maintain a clean environment. In today's context, the environment  
6 does not mean only the physical environment around us, it also  
7 includes the human or the social environment.

8 Concern on the environmental degradation was highlighted at  
9 the United Nations Conference held at Stockholm in 1970. The new  
10 concept of 'Sustainable Development' was introduced at this  
11 conference and it was once again emphasised at the United Nations  
12 Conference Environment and Development held at Rio de Janeiro in  
13 1992.

14 For the development of any country, infrastructure has to be  
15 in place. Basic infrastructure facilities required for development are  
16 roads, electricity and telecommunication. Thus telecommunication  
17 has become a vital component in our daily lives. The developments  
18 in this field such as radio communication, cellular communication,



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19 satellite communication, use of optical fiber and finally the proposed  
20 information super highway has brought distant global communities  
21 more and more together.

22 Telecommunication interacts not only with the natural  
23 environment but also with both social and cultural environment.  
24 During the last decade telecommunication has advanced quite  
25 rapidly specially the mobile telephones with cellular communication  
26 facilities. A few years back the cellular mobile phone was identified  
27 with the affluent class but times have changed. In Sri Lanka, it has  
28 been found that one has to wait for a long period to obtain a  
29 conventional phone. Hence even an ordinary man who has lot of  
30 dealings with his fellow countrymen resort to acquiring at least a  
31 mobile phone to attend to business activities. Today in Sri Lanka  
32 there are several mobile telephone companies operating which  
33 provide different types of telephones to suit different users.

34 With the introduction of the cellular phone the use of cable  
35 wires has been reduced to a bare minimum thus enhancing the  
36 appearance of the natural environment. Telecommunication taken as  
37 a whole, not only provides a fast communication facility but also  
38 contributes to the mitigation of environmental degradation. People  
39 who are having telephone facilities reduce their vehicular travelling  
40 to a bare minimum thus helping to reduce the emission of harmful  
41 gases from vehicles such as carbon monoxide, carbon dioxide, lead  
42 etc. Congestion of roads will also be reduced.

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43           One should not ignore the possible environmental impact  
44 resulting from expanding the telecommunication facilities. One of  
45 the glaring impacts is the degradation of the scenic beauty of the  
46 physical environment especially in the hill country area where  
47 gigantic telecommunication towers are erected on hilltops.  
48 Degrading environmental impact resulting from the construction of  
49 these towers could be minimised if the cellular companies involved  
50 jointly erect the towers thus reducing the number of towers needed.

51           Laying of telecommunication cables and excavating for such  
52 activities could also cause environmental problems unless they are  
53 done in a systematic and a responsible manner. Unless properly  
54 installed, the overhead wires could affect the scenic beauty of the  
55 area. Special care should be taken when drawing overhead wires or  
56 erecting telecom towers in environmentally sensitive areas, such as  
57 forest reserves, wildlife reserves, migratory paths of birds etc. and  
58 also locating them close to archaeological reserves.

59           It is very necessary that precautions are taken to mitigate  
60 these environmental issues at the initial stages of the development  
61 activities. One should go a little further and see that these issues are  
62 considered at the planning stage itself. Well - integrated, and co-  
63 ordinated mechanism among various controlling agencies is a  
64 prerequisite to avoid unnecessary environmental damage that could  
65 be caused by rapid development of the telecommunication facilities.

(Source: Daily News, May 17, 1999)

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**Questions**

1. According to Paragraph 1, what are the benefits of having telecom facility?

(03 marks)

2. What significant events took place in (a) 1970 and (b) 1992?

(02 marks)

3. According to the following statement how does the use of mobile phones at present differ from the past?

A few years back the cellular mobile phone was identified with the affluent class but times have changed.

(02 marks)

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4. What factors brought global communities together?

(02 marks)

5. What is the main idea in Paragraph 5?

(02 marks)

6. a) What are the harmful effects of expanding telecom facilities?

(02 marks)

b) What solution does the writer give?

(02 marks)

7. Suggest a suitable title for this passage.

(03 marks)

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8. What do the following words refer to?
- i) it in paragraph 01 line 06
  - ii) they in paragraph 07 line 52
  - iii) them in paragraph 07 line 58

(03 marks)

- 9 As used in the passage
- i) Congestion in Paragraph 05 line 42 means the same as
    - a) blocking
    - b) narrowness
    - c) clearing
  - ii) minimised in Paragraph 06 line 49 means the same as
    - a) reduced
    - b) multiplied
    - c) increased
  - iii) initial in Paragraph 08 line 60 means the same as
    - a) important
    - b) beginning
    - c) introduction

(03 marks)

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