



OPEN UNIVERSITY OF SRI LANKA
COURSE IN ENGLISH FOR SCIENCE / B.ED LSE 1303

PART I

FINAL EXAMINATION 2007/2008

Date: 11th July 2008

Time: 03 hours



Index No:

Centre:

Instructions: Answer All Questions.

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Question No:	Marks Obtained	Maximum
Part A 1	15
2	15
Part B 3	15
4	21
Part C 5	14
6	<u>.....</u>	<u>20</u>
Total	=====	100 ===

Signature of Examiner :

Name :



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Part A - Grammar and Vocabulary

1. Complete the sentences given below by underlining a, b, c, or d.

1) Fossil fuels are derived bio mass of animals that died millions of years ago.

- a) to
- b) in
- c) from
- d) on

2) Deforestation causes a harmful effect soil.

- a) on
- b) in
- c) at
- d) for

3) The statistics of the course a drop in attendance.

- a) shows
- b) show
- c) showing
- d) is showing

4) Absence of oxygen can lead fainting.

- a) on
- b) into
- c) to
- d) at

5) Automobile makers are designing cars that produce pollutants than before.

- a) few
- b) a few
- c) fewest
- d) fewer

6) Animals have many ways of protecting from their enemies.

- a) themselves
- b) itself
- c) itselves
- d) theirselves

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13) Environmental pollution is one of the major hazards
the world today.

- a) face c) facing
- b) faces d) faced

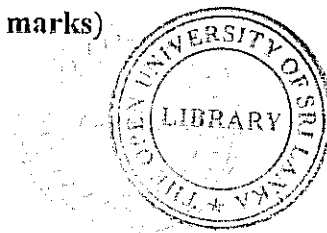
14) the rising costs, hydropower development has many
advantages over other forms of conventional electricity
generation.

- a) Although c) However
- b) In spite d) Despite

15) The lecturer by the end of the week.

- a) told to the students to submit their assignment
- b) told the students to submit their assignment
- c) said to the students to submit their assignment
- d) said the students to submit their assignment

(15 marks)



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

Carbohydrates are a naturally occurring group of compounds made of carbon, hydrogen and oxygen. They (1)..... generally known as sugars. Carbohydrates (2)..... a basic role in bio – chemistry (3)..... the storage and production (4)..... energy of all living organisms. Photosynthesis (5)..... plants produce the sugar (6)..... carbohydrates, converting solar energy (7)..... chemical energy. This chemical energy (8)..... be stored in an organism as (9)..... derivative of glucose. (10)..... oxidation of glucose releases energy when (11)..... is needed. It is (12)..... oxidation of glucose (13)..... provides energy (14)..... human beings so (15)..... they can function normally.

(15 marks)



Dotted lines for answer writing

3.

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Hand writing, spelling, punctuation and grammar will be taken into consideration when awarding marks.

Part B - Writing



3.

Rewrite the given instructions in the past passive form

- a) Heat a short length of platinum wire in the flame.
- b) Pour about 20ml of a saturated solution of common salt into a 25ml graduated cylinder.
- c) Record all observations in your note book.
- d) Compress and flatten the coil.
- e) Light a burner and adjust it to give a blue flame of moderate height.

(15 marks)

- i)
- ii)
- iii)
- iv)
- v)

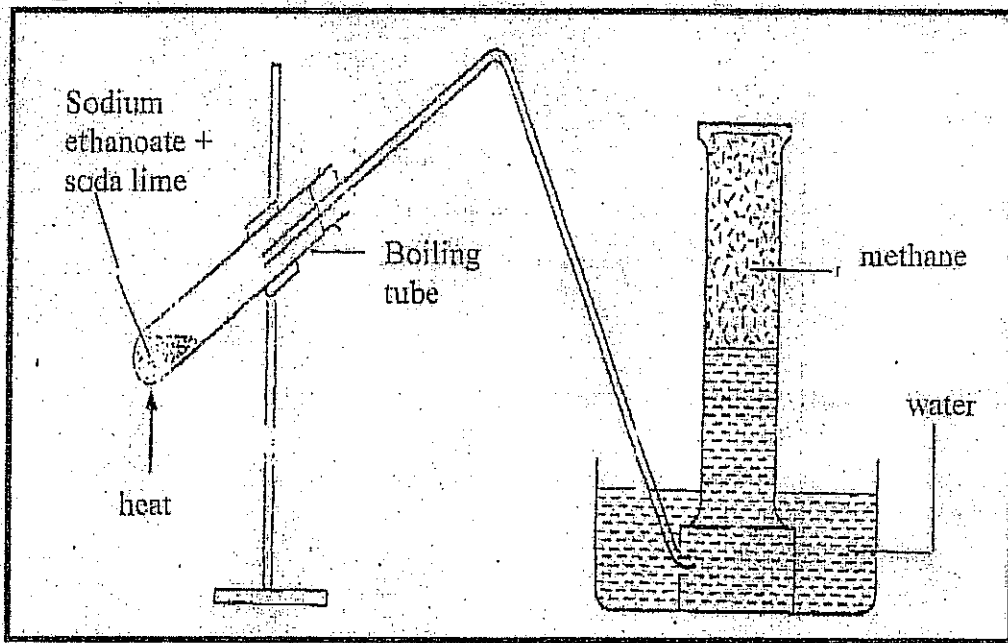
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4. Study the diagram given below and write

- a) A list of equipment used
- b) A description of the process using
 - i) the given words and
 - ii) sequence markers



PREPARATION OF METHANE



a) **List of Equipment used**

- i)
- ii)
- iii)
- iv)
- v)
- vi)

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Description of Process

- 1
.....(put)
- 2
..... (heat)
- 3
..... (send)
- 4
.....(collect)

(21 marks)

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

Part C - Reading

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

1 Rocks are made up of minerals. Where as a mineral is a
2 homogenous substance with specific structure and composition, a rock
3 may contain several minerals in varying proportions. Any specific rock
4 is therefore flexible and includes materials showing a range of
5 composition and texture.

6 Classification of rocks is based on broad generalities. There are
7 three broad categories of rocks, igneous, sedimentary and metamorphic .

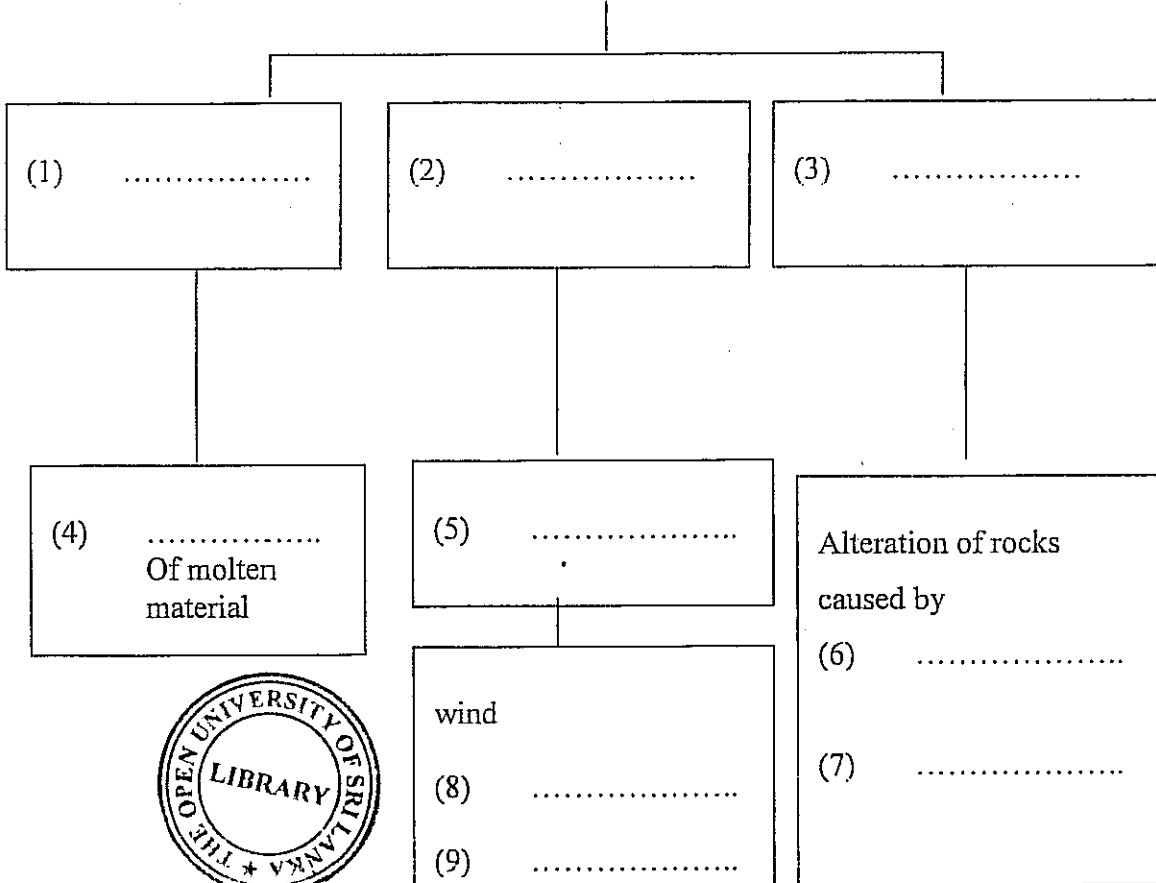
8 Igneous rocks form as a result of cooling of molten material.
 9 Sedimentary rocks form at the surface of the earth due to erosion – the
 10 action of wind, water and ice which causes rocks to break up and scatter
 11 their components. Later they are compressed and become rocks and
 12 show a layered structure

13 Metamorphic rocks form by the alteration of other kinds of rocks
 14 caused by intense heat and / or pressure. These rocks are classified
 15 according to their degree of alteration and the nature of the rocks from
 16 which they are formed.

Question

- 1) Complete the following table with information from the passage.

Classification of rocks



(09 marks)



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2. What is the difference between a mineral and a rock?

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(03 marks)

3. What do the following words refer to?

i) their in Paragraph 02 line 11

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ii) these rocks in Paragraph 03 line 14

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(02 marks)

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

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1 Sri Lanka has approximately a 1585 kilometer long coastline.
2 The country's development has been closely related to maritime
3 activities, since its foreign occupation five centuries ago. Even today
4 many people have settled along the coastal areas. The trade and
5 commerce that provided the original reason for settlement have now
6 being replaced by fishing, tourism and other economic activities. The
7 development of fishing harbours, commercial harbours, landing facilities,
8 recreational facilities have all contributed to a growing coastal
9 population. Sri Lanka's coastal region provides 70 percent of her supply
10 of fish and 80 percent of her tourist's income.

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11 The high population density and the concentration of commercial,
12 industrial, transport and tourist activities in the coastal regions have
13 caused problems. Severe pressure is put on the coastal resources,

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14 especially along the western and south – western coasts. Coastal fishery
15 resources are also over exploited. The construction of tourist hotels has
16 led to pollution and degradation of the beaches and the adjoining lands.
17 Another serious result of tourism has been the removal of sand from
18 beaches for construction purposes.

19 Attempts should be made and economic incentives be given to
20 shift the emphasis from fisheries and tourist development to managing
21 the resources.

(Source – National Environment Action Plan 1998 – 2001)

Questions

1. According to the passage what is the reason / reasons given for the
settlement of population in the coastal areas?

a) in the past

b) at present

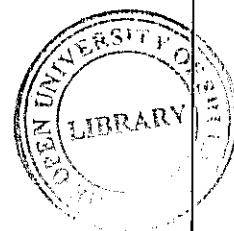
(03 marks)

2. Is this statement 'True' or 'False'?

The country's development is connected to coastal activities from
recent times.

Support your answer with a sentence from the passage.

(02 mark)



3. Line 12 mentions 'problems'.

a) What causes the problems?

(03 marks)

b) What are the problems created?

(04 marks)

c) What solution does the writer offer?

(03 marks)





4. What do the following words / phrases refer to in the passage?

i) its in Paragraph 01 line 03

ii) her in Paragraph 01 line 09

(02 marks)

5. Give another word / group of words which means the same as

i) approximately as used in Paragraph 01 line 01

ii) over exploited as used in Paragraph 02 line 15

iii) incentives as used in Paragraph 03 line 19

(03 marks)