0,1647

OPEN UNIVERSITY OF SRI LANKA ENGLISH FOR GENERAL ACADEMIC PURPOSES ENGINEERING TECHNOLOGY (LSE3204) FINAL EXAMINATION 2015 / 2016



Date:	24" April 2016	Index No:	
Time:	03 hours	Registration No:	
		Centre:	
		National Identity	Card No:
Instructio	ns: Answer all quest	ions.	
Reading a	nd Comprehension		
Time: 6	0 minutes		
_	,		
Question	No:	Marks Obtained	Maximum
1		***************************************	15
2		***************************************	25
Communi	cation Skills - Writin	<u>ng</u>	
Time: 1	20 minutes		
3			15
4		***************************************	25
5		*****	20
Tot	al		$\overline{100}$
		=======================================	· . ==
	•		
			•
•	•		
Name of the	Examiner ;	***************************************	• • • • • • • • • • • • • • • • • • • •
Signature of	the Examiner :		
			·

......

For	examiners
use	only

Part A - Reading and Comprehension Fill in the blanks in the passage given below. Use only ONE word in each blank space. A common symbol that can be seen on garbage bags, dump trucks and trash cans is of recycling. The phrase 'Reduce, Reuse, Recycle' is taught children all (1)..... over world (2)..... the hope of creating (3)..... clean environment. We all know (4)..... recycling is a simple way in (5)..... every person can contribute to making (6)..... better world. But surely there must (7)..... more benefits of recycling (8)..... just reducing the amount of trash we throw away. After all, it takes (9)..... effort to collect, separate and dispose (10)..... trash. One of the biggest reasons why recycling (11)..... been promoted is that it reduces the strain (12)..... environment. By utilizing waste products in a constructive size (13)...., can slowly decrease the our landfills. As the population grows, it (14)..... (15)..... become difficult for the landfills to hold so much trash and this would result in environmental pollution and create many health problems. (15 marks) *********

1.

.........

.

.........

.........

.......

........

......

For examiners

use only

2. Read the following passage and write answers to the questions given below.

In a healthy farm system, agriculture works in harmony with the natural environment. This begins with healthy soil that stores water and nutrients and provides a stable base to support plant roots. In a sustainable or eco-friendly system, soil is kept in balance. Crops are rotated through the fields to replace nutrients in the soil. Where there is livestock, animals graze the land, then waste from those animals is used to fertilize the soil. The idea is that as farmers take from the land they also give back. Industrial or factory farms disregard that need for balance. Land is used continuously and not given proper rest. Crops are not rotated in a way that replenishes the soil. Manure and chemical fertilizers are used to "feed" the soil, but through over-application these substances become a problem.

Factory farms concentrate an unnatural number of animals in one place, which creates an unmanageable amount of waste. For example, a single hog excretes up to 17.5 pounds of manure and urine each day. Put 1,000 hogs together, and that's six million pounds of waste each year. On a factory farm containing 35,000 hogs, over four million pounds of waste are produced each week, and over 200 million pounds each year. Whereas on a sustainable farm animal waste can be a tool, in factory-farm amounts it becomes a major pollutant. The creation and disposal of such enormous quantities of waste has a devastating effect on the air, water and soil surrounding factory farms. Unlike human waste, livestock manure is not processed for sanitation. On factory farms it is commonly mixed with water and held in pits (called "lagoons"), and then spread or sprayed on cropland. But the system often suffers from an excess of manure: the lagoons can leak or spill, for instance, or the manure is over-applied to fields, which can cause it to run off into surface waters.

1

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

18

19

20

21

22

23

24

25

26

_ 17

For examiners use only 27 Manure carries with it other substances that are used on industrial *********************** 28 farms. These include antibiotics and artificial growth hormones, which ****************** 29 contaminate waterways and affect the plants and animals that live in ************************ 30 them. Salt, a common component of manure from industrial dairies, can 31 damage soil quality and contributes to erosion. Nutrients and heavy ********************* metals present in animal feed are also excreted by livestock, and so end 32 33 up being applied to cropland. These include zinc, copper, chromium, *********** 34 arsenic, cadmium and even lead. In balanced amounts, some of these ********************* elements can be good for soil and promote plant growth. But as factory 35 *********************** 36 farms over-apply manure to fields, a significant quantity of nutrients builds up in the soil and can actually reduce the soil's fertility. This 37 *********** 38 damage is difficult to reverse, and ultimately puts fertile cropland out of ******************* 39 use. 40 Factory farms emit harmful gases and particles such as methane and hydrogen sulfide, which can contribute to global warming and harm 41 ****************** 42 the health of those living or working nearby. Air pollution results from 43 the overuse of machinery, the mismanagement of manure, and the 44 irresponsible feeding practices that characterize industrial farming. 45 Chemical fertilizers and pesticides have turned agriculture into a 46 leading source of water pollution in the United States. Runoff from 47 factory farms kills fish, degrades aquatic habitats and threatens drinking **************** 48 water supplies. Additionally, factory farms use tremendous amounts of 49 water, which cuts into our precious supplies of water that are not 50 contaminated (Adapted from Grace Communication Foundation food programme)

For examiners use only Questions 1) Name two functions of healthy soil? (02 marks) 2) Give two examples for practices which keep soil in balance in a sustainable system. (02 marks) 3) Give two examples for practices by Industrial farms which disrupt the balance in soil. (02 marks) 4) Are the following statements 'True', "False' or 'Not Given'? Support your answer giving appropriate line No./Nos. i) Human waste is usually processed for sanitation. True False

Line No./ Nos.....

()](\display) For examiners

ii)	A farm containing 1000gs n		se only
	urine each day.	produce 17.5 pounds of manure and	
	True True	False	***************************************
	Truc	raise	
	Line No./ Nos		***************************************
	Lane No./ Nos		************
•••	A state of the state of		•••••
iii)	1	nones are used in industrial farming.	************
	True	False	***************************************
	**		
	Line No./ Nos		

iv)	Manure from industrial farm		*************
	True	False	
	Line No./ Nos		************
		(04 marks)	***************************************
		passage. Choose the most suitable	***********
head	ing for each of the 05 paragra	phs and write the paragraph number	
	at 1 1' my	1 11 11	
agair	ist the heading. There are mor	re headings than paragraphs given in	***************************************
	uestion.	re headings than paragraphs given in	
		Paragraph No.	
	uestion.		
the q	uestion. Paragraph Water pollution		
the q	uestion. Paragraph		
the q	uestion. Paragraph Water pollution		
a) b)	Paragraph Water pollution Impact on soil quality Types of farming		
a)	uestion. Paragraph Water pollution Impact on soil quality		
a) b)	Paragraph Water pollution Impact on soil quality Types of farming		
a) b) c) d)	Paragraph Water pollution Impact on soil quality Types of farming Animal waste Feed crops		
a) b) c)	Paragraph Water pollution Impact on soil quality Types of farming Animal waste		
a) b) c)	Paragraph Water pollution Impact on soil quality Types of farming Animal waste		

			For examiners			
			use only			
6)	Acco	ording to paragraph 03, what makes a fertile land out of use?				
		(02 marks)	***************************************			
		(02 2232 220)	•••••			
7)	Wha	t are the causes of air pollution mentioned in the passage?	••••••			
			••••••			
			••••••			
		(02 marks)	••••••			

8)	Wha	t do the following words refer to in the passage?	***************************************			
	i)	these substances in Paragraph 01 line 11	***************************************			

	ii)	it in Paragraph 02 line 18				

	iii)	them in Paragraph 03 line 30				

		(03 marks)	***************************************			

9)	Give	Give another word / group of words which mean the same as.				
	i)	devastating in Paragraph 02 line 20	***************************************			
			•••••			
	ii)	excess in Paragraph 02 line 24	••••••			
	iii)	degrades in Paragraph 05 line 45	11			
		(03 marks)				
			1000000000000000000000000000000000000			

11.647

For examiners use only

	Con	Communication Skills - Writing				
3)	Give					
		the following instructions in the present passive voice. Use sequence markers. (d) has been done for you.				
	i.	Plan the road.				
	ii.	Measure the quality of the soil.				
	iii.	Clean the route and level the surface.				
	iv.	Put thick layers of concrete on the route.				
	v.	Lay the top surface.				
	vi.	Mark the pedestrian crossings.				
	a)	***************************************				
	,		***************************************			

	b)	***************************************	***************************************			
	٠,		***************************************			
		***************************************	***************************************			
	c)	***************************************	***************************************			
	c)	***************************************	***************************************			
		***************************************	***************************************			
	-47	TENE ON AN AN AN AN AN	••••••			
	ď)	Thereaster thick layers of concrete are put on the road.				
	e)	•••••••••••••••••••••••••••••••••••••••				
		***************************************	***************************************			
		•••••••••••••••••••••••••••••••••••••••				
			••••••			

01,6/17

				1.01 examiners
•				use only
	f)		***************************************	
		*****	•••••••••••••••••••••••••••••••••••••••	•••••
			(15 marks)	
			(15 marks)	
4)	Write	an e	essay on <u>one</u> of the following topics using the given	
',	guide		soldy on one of the following topics using the given	
	Surac	A:	The positive impact of tourism on Sri Lanka.	••••••
		120	the good to ampace of total and of the Landing.	•••••
		B:	The benefits of having a developed road system in a	
			country.	
	TT .		owing guidelines when writing your essay.	***************************************

	Your	essay s	should contain	
	i)	at lea	st 05 paragraphs.	••••••
		•	an introduction	••••••
		•	03 body paragraphs	
		•	a conclusion	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	ii)	Each	paragraph must contain at least 4 sentences.	***************************************
	iii)	Use t	he space provided.	***************************************
			(25 marks)	

				•••••
				•••••
				•••••

01647.

For examiners

use	only

	•••••
	••••••

	•••••

	••••••
	·

oning?

	For	examiners	
1	use	only	
		•••••	•••

		***************************************	·
		***************************************	•••
		4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	•••
		***************************************	•••
			•••
			• •
		***************************************	•
		***************************************	•••
		***************************************	•••

		***************************************	•••
		•••••	•••
		***************************************	• • •
		***************************************	• • •
		•••••	•••
-		•••••	•••

		•••••	٠.
		•••••	••

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

				use only
5)	Here is a c	onversa	tion between Priyantha a student who has just	100000000000000000000000000000000000000
	received his	s CA 1	esults and Mauri, a new student at the Open	***************************************
	University.			
	Mauri	t t	Hello Priyantha, Nice to see you. How did you	
			perform in the CA test?	
	Priyantha	:		
			•	
				•••••
	Mauri	:	That is great! Congratulations on your good	
			results.	
			?	
	Priyantha	:	Well. The reading passage was quite challenging.	***************************************

	Mauri	ě	Really?	•••••
	Priyantha	•	Yes. We had to face a speech test. It was a good	
			experience.	
	Mauri		I'll be following the English course next year.	
			What advice would you give me?	***************************************
				••••••
	Priyantha	:		

For examiners

			For examiners
			use only
Mauri	ć t		
		?	•••••••
Priyantha	:	M mmm You can get necessary	•••••••••••••••••••••••••••••••••••••••
		information about registration from the Student	***************************************
		Affairs Division.	•••••••••••••••••••••••••••••••••••••••
			••••••
Mauri	•	Thank you and see you later.	

Priyantha	:	You're welcome. Bye.	••••••
		(20 marks)	
			••••••
		÷	••••••
			•••••••

			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	•		
	•		
,			***************************************