# EASTERN UNIVERSITY, SRI LANKA

HRST YEAR SECOND SEMESTER EXAMINATION IN SCIENCE - 2013/2014 (April/May 2016)

### ENGLISH LEVEL-I

**Time: 02Hours** 

1. 17

7 OCT 2017

1. No : ....

nations to the candidates:

Duration: Two (02) Hours Answer all the questions on this paper itself. Marks will be deducted for wrong spellings and grammar. Read each question carefully and answer them. This paper consists of 12 pages. Write your Index Number clearly on the space given.

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### had the following text and answer questions that follow:

is essential to our daily lives, but noise is not. Noise is generally used as an unwanted ar sound which produces unpleasant effects and discomfort on the ears. Sound becomes ad when it either interferes with normal activities such as sleeping, conversation, or and diminishes one's quality of life. Not all noise can be called noise pollution. If it does the regularly, it may be termed as 'Nuisance'

as also believe that it is not only humans who are affected. For example, water animals inted to noise by submarines and big ships on the ocean, and chain-saw operations by companies also create extreme noise to animals in the forests. Generally, noise is addy household gadgets, big trucks, vehicles and motorbikes on the road, jet planes and the hovering over cites, loud speakers etc. Noise (or sound) is measured in the units of and is denoted by the dB. Noise which is more than 115 dB is tolerant. The industrial found in the industries must be 75 dB according to the World Health Organization.

transidered as environmental pollution, even though it is thought to have less damage on than water, air or land pollution. But people who are affected by severe noise pollution tatilities a massive issue that needs attention.

in the sources of noise pollution?

slike food mixer, grinder, vacuum cleaner, washing machine and dryer, cooler, air mers can be very noisy and injurious to health. Others include loud speakers of sound and TVs, iPods and ear phones. Another example may be your neighbor's dog barking dwery day at every shadow it sees, disturbing everyone else in the apartment. C) .....

Places of worship, discos and gigs, parties and other social events also create a lot of the people living in that area. In many market areas, people sell with loud speakers, other out offers and try to get customers to buy their goods. It is important to note that where events are not often, they can be called 'Nuisance' rather than noise pollution.

D) .....

Printing presses, manufacturing industries, construction sites, contribute to noise pall large cities. In many industries, it is a requirement that people always wear earplugs ton their exposure to heavy noise. People who work with lawn mowers, tractors and noisy are also required to wear noise-proof gadgets.

E) .....

Think of aero planes flying over houses close to busy airports like Heathrow (London) (Chicago), over ground and underground trains, vehicles on road—these are constantly lot of noise and people always struggle to cope with them.

Effects of noise pollution

Generally, problems caused by noise pollution include stress related illnesses, interference, hearing loss, sleep disruption, and lost productivity. Most importantly, three major effects we can look at:

F) .....

The immediate and acute effect of noise pollution to a person, over a period of impairment of hearing. Prolonged exposure to impulsive noise to a person will dam eardrum, which may result in a permanent hearing impairment.

G) .....

Marine scientists are concerned about excessive noise used by oil drills, submarines a vessels on and inside the ocean. Many marine animals, especially whales, use hearing food, communicate, defend and survive in the ocean. Excessive noises are causing

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stand deaths to whales. For example, the effect of a navy submarine's sonar can be felt is away from the source. This is not only about whales, but the larger marine life are all admone way or the other.

effects of noise include anxiety and stress reaction and in extreme cases fright. The indical manifestations are headaches, irritability and nervousness, feeling of fatigue and two work efficiency. For example, being pounded by the siren of fire fighters, police or time in your city all night everyday leave people (especially elderly people) stresses and the morning. It is worth noting that these effects may not sound troubling, but the truth is, in, the consequences can be very worrying.

Source Edited: http://eschooltoday.com/pollution/noise-pollution/what-is-noise-pollution.html

Fil the subheading with suitable words given in the brackets

Events, Commercial and Industrial Activities, Transportation, Noise Pollution, Marine Animals, Household Sources, Effects on General Health)

A)	
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» D)	
E)	1
F)	
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Marks: 08

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2.	Give the Summary of the text in 30-40 words	
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		Marks
3.	What is noise pollution, according to the text?	
		Marks
4.	Is noise different from nuisance? How?	
		Marks
5.	What is the unit of measurement by which noise is measured ?	
	·····	
	*	Marks
6.	List some of the main sources of noise pollution? (Answer in point form	n is encou

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Marks: 03

How, according to the text sound pollution affects human being?

How could the sound pollution be controlled or prevented? Suggest your answer based on the information directly or indirectly inferred from the text?

Marks: 03

Total: 30 Marks

the words given below to fill in the missing information in the answering space induced below the text numbered from 1 to 15:

nder, from, hydraulic, constituents, by, low, homogenized, heated, semi-wet, notions, closely categories, strong, grains, located)

atis a fine (1)......which sets after a few hours when mixed with water, and indens in a few days into a solid, (2) ......material. Cement is mainly to bind fine sand and coarse aggregates together in concrete. Cement is a binder, i.e. it hardens when water is added. There are 27 types of common at which can be grouped into 5 general (4)..... and 3 strength classes: inty, high and very high. In addition, some special cements exist like sulphate resisting storiation is a strength classes. cement, low heat cement and calcium aluminate cement.

Cement plants are usually located (5)..... either to hot spots in the market of with sufficient quantities of raw materials. The aim is to keep transportation costs (6).... Basic constituents for cement (limestone and clay) are taken from quarries in the Basically, cement is produced in two steps: first, clinker is produced (7)..... rawm In the second step cement is produced from cement clinker. The first step can be add semi-dry or (8).......process according to the state of the raw material.

The raw materials are delivered in bulk, crushed and (9)..... into a mixture of fed into a rotary kiln. This is an enormous rotating pipe of 60 to 90 m long and up to diameter. This huge kiln is (10)..... by a 2000°C flame inside of it. The slightly inclined to allow for the materials to slowly reach the other end, where it is cooled to 100-200°C.

Four basic oxides in the correct (11)..... make cement clinker: calcum (65%), silicon oxide (20%), alumina oxide (10%) and iron oxide (5%). These elements homogeneously (called "raw meal" or slurry) will combine when heated (12)..... flame at a temperature of approximately 1450°C. New compounds are formed: a aluminates and ferrites of calcium. Hydraulic hardening of cement is due to the hydra these compounds.

Source edited from: http://www.cembureau.eu/about-cement/cement-manufacturing

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Marks: 15

ing the flow chart given below, write a paragraph using the date presented in the

	lanual sorting		8cling
	ASTIC BOTTLES	<u>s</u>	Crushing
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Semi-finite products	Regenerati	99	

whttp://www.polystyrene-compactor.com/category/waste-plastic-recycling/

£170-80

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## Q4: Using the following phrases construct meaningful sentences:

Marks will not be given for grammatical inaccuracy, wrong spelling and incorrect purch marks

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Environmental pollution	
Annual research forum	
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Critical thinking	
Soft skills development	
Data analysis	
oftware	
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h)	Theory and application
i)	Climate change
j)	Scientific advancement

## Marks: 20

**Q5:** Your Faculty sent you on a short training course on "Soft Skills Improvement" con. by the Career Guidance Unit of the Eastern University and at the end of the training your certificate of attendance which you have lost. Request for a copy of the certificate of attenby writing <u>a letter to the course organiser</u> and tell him/her:

How you lost your certificate.

Why you need the certificate now.

What you need him to do for you.

Words: 150

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