

**FINAL**  
Examination Paper

(COVER PAGE)

Session : August 2019

Programme : Diploma in Electrical and Electronic Engineering (DEEI)  
Diploma in Mechanical Engineering (DMEN)

Course : ENL1102 : Technical English

Date of Examination : December 10, 2019 (Tuesday)

Time : 2:00 pm – 4:00 pm Reading Time: Nil

Duration : 2 Hours

Special Instructions :

This paper consists of **SIX (6)** questions. Answer any **FOUR (4)** questions in the answer booklet provided. All questions carry equal marks.

Materials permitted : Nil

Materials provided : Nil

Examiner (s) : Dolly Singh and Shobhanambigha Sivaguru

Moderator : Mr Muhammad Izzat Bin Rahim

*This paper consists of 8 printed pages, including the cover page.*

DIPLOMA IN ELECTRICAL & ELECTRONIC ENGINEERING PROGRAMME (DEEI)  
 DIPLOMA IN MECHANICAL ENGINEERING PROGRAMME (DMEN)  
 ENL1102: TECHNICAL ENGLISH  
 FINAL EXAMINATION: AUGUST 2019 SESSION

**Instructions:** This paper consists of **SIX (6)** questions. Answer any **FOUR (4)** questions in the answer booklet provided. All questions carry equal marks.

**Question 1: READING COMPREHENSION (25 marks)**

**Read the following passage and answer the questions that follow.**

Garbage cans are not magical portals. Trash does not disappear when you toss it in a can. Yet, the average American throws away an estimated 1,600 pounds of waste each year. If there are no magic garbage fairies, where does all that trash go? There are four methods to managing waste: recycling, landfilling, composting, and incinerating. Each method has its strengths and weaknesses. Let's take a quick look at each. 6

Recycling is the process of turning waste into new materials. For example, used paper can be turned into paperboard, which can be used to make book covers. Recycling can reduce pollution, save materials, and lower energy use. Yet, some argue that recycling wastes energy. They believe that collecting, processing, and converting waste uses more energy than it saves. Still, most people agree that recycling is better for the planet than landfilling. 12

Landfilling is the oldest method of managing waste. In its simplest form, landfilling is when people bury garbage in a hole. Over time the practice of landfilling has advanced. Garbage is *compacted* before it is thrown into the hole. In this way more garbage can fit in each landfill. Large liners are placed in the bottom of landfills so that toxic garbage juice doesn't get into the ground water. Sadly, these liners don't always work. Landfills may pollute the local water supply. Not to mention that all of that garbage stinks. Nobody wants to live next to a landfill. This makes it hard to find new locations for landfills. 21

As landfill space increases, interest in composting grows. Compositing is when people pile up organic matter, such as food waste, and allow it to decompose. The product of this decomposition is compost. Compost can be added to the soil to make the soil richer and better for growing crops. While composting is easy to do onsite somewhere, like home or school, it's hard to do after the garbage gets all mixed up. This is because plastic and other inorganic materials must be removed from the compost pile or they will pollute the soil. There's a lot of plastic in garbage, which makes it hard to compost on a large scale. 30

One thing that is easier to do is burning garbage. There are two main ways to incinerate waste. The first is to create or harvest a fuel from the waste, such as methane gas, and burn the fuel. The second is to burn the waste directly. The heat from the incineration process can boil water, which can power steam generators. Unfortunately, burning garbage pollutes the air. Also, some critics worry that incinerators destroy valuable resources that could be recycled.

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Usually, the community in which you live manages waste. Once you put your garbage in that can, what happens to it is beyond your control. But you can make choices while it is still in your possession. You can choose to recycle, you can choose to compost, or you can choose to let someone else deal with it. The choice is yours.

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### Part I (10 marks)

**This list of words has been extracted from the passage. Match them to the most appropriate meaning in context – write the alphabet representing the meaning in the answer booklet.**

- |                 |   |
|-----------------|---|
| 1. portals      | a. reclamation of land in low-lying areas                         |
| 2. incinerating | b. the product or result of an action                             |
| 3. landfilling  | c. unwanted or unusable material                                  |
| 4. composting   | d. the state of having, owning, or controlling something          |
| 5. inorganic    | e. contaminate  |
| 6. harvest      | f. destroy by burning   |
| 7. possession   | g. decayed organic material used as a fertilizer                  |
| 8. waste        | h. to break down into component elements or simpler constituents. |
| 9. decompose    | i. a doorway, gate, or other entrance                             |
| 10. pollute     | j. relating to or denoting compounds which are not organic        |

**Part II (10 marks)**

Read the questions carefully and choose the best answer based on the passage above – write the alphabet representing your choice of answer in the answer booklet.

1. Which best explains why the author begins the text by talking about magical garbage fairies?
  - (a) He is putting a common misconception to rest.
  - (b) He is trying to get the reader's attention.
  - (c) He is addressing his concern in a serious way.
  - (d) He is supporting his argument with evidence.
  
2. Which best defines the meaning of *incineration* as it is used in the text?
  - (a) To bury waste materials in a large hole
  - (b) To allow waste products to decompose and become fertilizer
  - (c) To burn waste materials and harvest the energy
  - (d) To turn waste materials into products like book covers
  
3. Which was **not** cited in the third paragraph as an issue with landfilling?
  - (a) Landfills are smelly.
  - (b) Usable materials are wasted in landfills.
  - (c) Landfills may pollute the water supply.
  - (d) It is difficult to find locations for landfills.
  
4. Which conclusion could best be supported with text from the passage?
  - (a) Each method of waste management has its drawbacks.
  - (b) Recycling is without a doubt the best way to handle waste.
  - (c) Incineration is the best way to process waste.
  - (d) All large cities should create massive compost piles.

5. Which best expresses the main idea of the fourth paragraph?
- (a) Landfills take up a lot of space.
  - (b) Composting is good for the soil but it can be hard to do.
  - (c) The process of composting is very complicated and scientific.
  - (d) There is a lot of plastic garbage in landfills.
6. Which best expresses the meaning of the word *compacted* as it is used in the third paragraph?
- (a) Garbage is burned before it is thrown in a hole.
  - (b) Garbage is put in trucks before it is thrown in a hole.
  - (c) Garbage is crushed smaller before it is thrown in a hole.
  - (d) Garbage is put in a can before it is thrown in a hole.
7. Which best expresses the author's main purpose in writing this?
- (a) To convince readers to recycle and compost
  - (b) To persuade readers that recycling is a waste of resources
  - (c) To compare and contrast recycling and landfilling
  - (d) To inform readers of methods of waste management
8. Which is **not** included in this text?
- (a) A description of how trash is collected
  - (b) A description of the uses of compost
  - (c) A description of the two methods of incinerating trash
  - (d) A description of how landfills have advanced over time
9. Which best explains why composting is not feasible on a large scale?
- (a) People wouldn't want to touch all of that gross rotting food.
  - (b) It would smell too bad in densely populated cities.
  - (c) It would attract rodents that would spread disease.
  - (d) Plastic would get into the compost and turn it into a pollutant.

10. Which title best expresses the main idea of this text?
- (a) *The Magic of Recycling: Bringing Back What Was Once Lost*
  - (b) *Methods of Waste Management: Pros and Cons*
  - (c) *Recycling, Landfilling, or Composting: Which is Best For You?*
  - (d) *Do Your Part: How to Save the Earth by Recycling and Composting*

**Part III (5 marks)**

**Read the questions carefully and answer them. You must explain and justify your ideas.**

1. Which **two** methods of waste management do you believe are best for society?  
(2.5 marks)
  
2. Which **two** methods of waste management do you believe are worst for society? Refer to the text to support your argument.  
(2.5 marks)

**Question 2: LETTER WRITING (25 marks)**

You are the manager of Steve Sports Equipment. You received a complaint letter from Ms Mellisa Mackenzie, Director of Health Air, Inc. In her letter she was upset with the new ventilator (Puritan Bennet Mall) which was not functioning as expected. She could not get the high-volume alarm circuit to work therefore the water pressure was very low. This has caused her a lot of inconvenience as the clients were not able to take their showers after their regular work-out in the gym.

Write an **ADJUSTMENT LETTER** to Ms Mellisa and inform her of your decision pertaining to this problem. You are encouraged to invent details in your letter.

**Question 3: REPORT WRITING (25 marks)**

For the past few months, the staff in your company have been reporting late for work. Your manager has noticed this worrying trend and has asked you, the HR executive, to send him a report on this issue along with some recommendations to overcome this problem.

Some necessary information:

- July 3% late for 5 times or more in a month.
- August 10% late for 5 times or more in a month.
- September 20% late for 5 times or more in a month.
- October 25% late for 5 times or more in a month.
- Working hours: 9am to 6pm

**Question 4: ESSAY WRITING (25 marks)**

Write an essay of about **350-400 words** on **ONE (1)** of the following topics

1. Compare or Contrast between living at home and living on campus?
2. What are the causes of stress among students?

**Question 5 (25 marks)**

**Part A: OUTLINE (15 marks)**

Write out an outline for **ONE (1)** of the topics below

1. What are the effects of social media on society?
2. What are the differences between computer games and smartphone games?

*Follow the given outline format –*

Thesis statement: \_\_\_\_\_ *Do not write here* (3 marks)

Topic sentence 1: \_\_\_\_\_ *Do not write here* (2 marks)

Supporting sentences:

A: \_\_\_\_\_ *Do not write here*

B: \_\_\_\_\_ *Do not write here*

C: \_\_\_\_\_ *Do not write here* (3 marks)

Topic sentence 2: \_\_\_\_\_ *Do not write here* (2 marks)

Supporting sentences:

A: \_\_\_\_\_ *Do not write here*

B: \_\_\_\_\_ *Do not write here*

C: \_\_\_\_\_ *Do not write here* (3 marks)

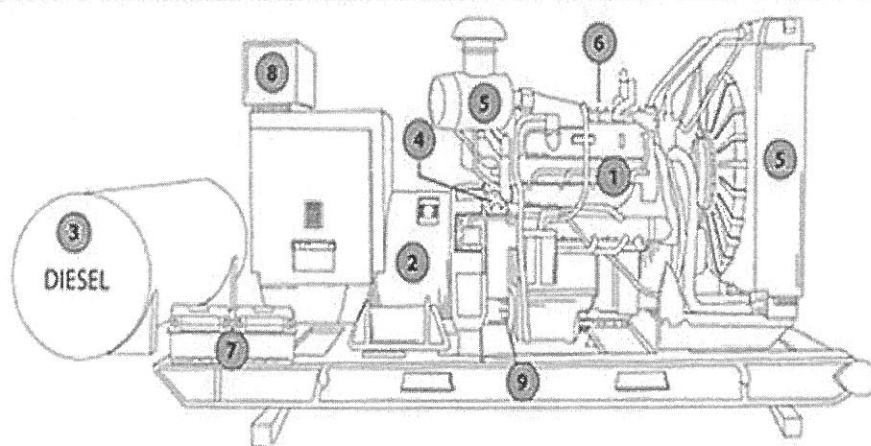
Concluding statement: \_\_\_\_\_ *Do not write here* (2 marks)

**Part B: PARAGRAPH WRITING (10 marks)**

Choose **ONE (1)** of the topic sentences from your outline in Part A and write a **120-150 word** paragraph, based on your supporting details.

**Question 6: EXTENDED DEFINITION (25 words)**

In about **250-280** words, write the technical description of an *electric generator* as shown in the picture below. Provide a definition for the object, an overview of the whole description of the parts, and a description of the mechanism in use.



1. Engine
2. Alternator
3. Fuel System
4. Voltage Regulator
5. Cooling & Exhaust Systems
6. Lubrication System
7. Battery Charger
8. Control Panel
9. Main Assembly Frame

**-THE END-**

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