



**SLIATE**

**SRI LANKA INSTITUTE OF ADVANCED TECHNOLOGICAL EDUCATION**

(Established in the Ministry of Higher Education, vide in Act No. 29 of 1998)

**Higher National Diploma in Building Services Engineering/ Higher National Diploma in Engineering (Civil, Electrical, Mechanical)/ Higher National Diploma in Food Technology / Higher National Diploma in Information Technology / Higher National Diploma in Quantity Surveying / Higher National Diploma in Technology (Agriculture)**

**Second Year, Second Semester Examination – 2017**

**BSE2201, EN2204, FT2205, IT2405, QS22082, CC2201**

**English for Technology IV- B**

**Instructions for Candidates:**

**Answer only Four (04) Questions.**

**Question No One (01) is compulsory.**

**All questions carry equal marks.**

**No. of questions: 05**

**No. of pages : 05**

**Time : Two (02) hours**

**Question 01**

Write an essay on one of the following topics in about 300 words.

- Alcohol and its effect on Sri Lankan culture and economy.
  - Why we should consume organic food
  - The influence of technology on employment.
  - How to minimize massive destruction of forest caused by unethical constructions
- [25 Marks]

**Question 02**

(I) Change the following sentences into reported speech.

1. Sunil said, "I shall go to the library today."
2. My mother said, "I like sewing."
3. He said, "I have already finished my homework."
4. She said, "I met my class teacher yesterday."
5. Nimal said to me, "Please help me to find the way to the library."
6. "How do you come to school?", the teacher inquired.
7. The principal told the students, "Come to school on time."
8. "Open your bag." The teacher asked the student.
9. The Prime Minister said, "We will give more jobs this year."
10. "Did you do your homework?" Kamal inquired.

(2×10=20 Marks)



(II) Write 5 meaningful and grammatically correct sentences using the given words.

1. Enable
2. Capacity
3. Exchange
4. Productive
5. Obligated

(1×5 Marks)

[25 Marks]

**Question 03**

(I) Fill in the blanks with the most suitable phrasal verbs given below.

(called off, drop in, make up, broke into, given up, came across, take off, got through, cut off, looks after.)

1. She ..... her sister's children.
2. The meeting has been ..... due to the bad weather.
3. While I was reading a magazine, I ..... an interesting article.
4. The electricity was ..... as they had not paid their bills.
5. We will ..... to see you on our way home.
6. Thieves ..... their house and stole all their money.
7. You must ..... your hats before you enter the temple.
8. He has ..... his A/L examination well.
9. He has ..... drinking alcohol and he's a changed man now.
10. He could not ..... his mind to apply for the post.

(1.5×10 = 15 Marks)

(III) Complete the sentences with the most suitable gerunds.

(being, stealing, doing, visiting, lending, telling, painting, dancing, hiding, committing, getting)

1. He confessed ..... the book.
2. I don't mind ..... you my pen.
3. He finished .....
4. The parents are cleaver at ..... their children's faults.
5. I hate ..... up late.
6. Are you thinking of ..... Paris?
7. He apologized for ..... so late.
8. I always postpone ..... my homework until the last possible moment.
9. He goes on ..... me the same thing over and over again.
10. They really enjoyed ..... the Kandyan style.

(1×10 Marks)

[25 Marks]

#### Question 04

You are applying for a foreign scholarship which is relevant to your current profession. Paying attention to the work experience and higher educational qualifications, prepare a CV and the covering letter to be sent for the above scholarship. [25 marks]

#### Question 05

Read the following passage and answer the questions.

Many people know that trash is a big problem on planet Earth. What many people don't know is that trash has become a problem in outer space too. Years of space exploration have left tons of "space junk" in orbit around the planet.

According to *BBC News*, there are more than 22,000 pieces of junk in space around the earth. And these are just the items that we can see from the surface of the earth by telescopes or radars. There are also millions of smaller pieces of junk that we can't see.

Objects, like bits of old space rockets or satellites, move around the planet at very high speeds, so fast that even a very small piece can break important satellites or become dangerous to people, particularly astronauts. If the tiniest piece of junk crashed into a spacecraft, it could damage the vehicle. That's because the faster an object moves, the greater the impact if the object collides with something else.

To make things worse, when two objects in space collide, the two objects break into many smaller pieces. This happened in 2009 when a working United States satellite collided with a Russian satellite that was no longer functioning. The collision caused the satellites to break into more than 2,000 pieces, increasing the items of space junk.

To help minimize additional space junk, countries around the world have agreed to limit the time their space tools stay in orbit to 25 years. Each tool must be built to fall safely into the earth's atmosphere, or the mass of gases that surround the earth, after that. In the upper parts of the atmosphere, it will burn up.

Many scientists are also proposing different ways to clean up space junk. In England a metal harpoon is being tested that can be fired into space trash, grip the trash, and then pull the space junk into the earth's atmosphere where it would burn up.

The Germans have been planning a space mission with robots that would collect pieces of space trash and bring them back to Earth so that they can be safely destroyed.

In 2007 the Chinese tried to blow up one of its older satellites with a missile. Unfortunately, the explosion only created thousands of smaller pieces, adding junk in space!

"In our opinion the problem is very challenging, and it's quite urgent as well," said Marco Castronuovo, an Italian Space Agency researcher who is working to solve the problem. One reason that it's **urgent** is that countries are sending more and more objects into space. Many of these objects are tools that help people use their cell phones or computers.



"The time to act is now; as we go farther in time we will need to remove more and more fragments," he says.

1. What has left tons of "space junk" in orbit around the earth?
  - A. robots sent on space missions
  - B. space exploration process
  - C. lack of recycling
  - D. missiles in outer space
  
2. Countries around the world have agreed to limit the time their space tools stay in orbit to 25 years. As explained in the passage, what problem does this solution address?
  - A. the increasing amount of space junk in orbit around the earth
  - B. space agencies exploring space
  - C. Chinese efforts to blow up a satellite
  - D. objects moving around the planet at very high speeds
  
3. Trash has become a problem in outer space too. What evidence from the text best supports this statement?
  - A. The Chinese tried to blow up one of its satellites with a missile in 2007.
  - B. In England, a metal harpoon is being tested that can be fired into space, gripping space trash and pulling it back into the earth's atmosphere to burn up.
  - C. The Germans have been planning a space mission with robots to collect some space trash and bring it back to Earth.
  - D. According to *BBC News*, there are more than 22,000 pieces of junk in space around the earth.
  
4. Why have countries agreed to build space tools that must fall safely into the earth's atmosphere?
  - A. so that the tools can remove pollution from the atmosphere after returning from space
  - B. so that the tools burn up in the atmosphere and don't become space junk
  - C. so that the tools pollute the atmosphere instead of outer space
  - D. so that the tools can analyze the different gases that make up the atmosphere after returning from space

5. What is the main idea that the author is trying to convey through this passage?

- A. different missions scientists are trying in space
- B. the effects that tiny pieces of space junk could have on the earth
- C. the dilemma of space junk and scientists' attempted solutions.
- D. the problem of trash affecting planet Earth

6. What does the word **urgent** in paragraph 9 most nearly mean?

- A. hard to solve
- B. unnecessary
- C. needs immediate attention
- D. minor

7. Choose the answer that best completes the sentence below.

Years of space exploration have left tons of "space junk," \_\_\_\_\_ many scientists are trying to find a way to clean up outer space.

- A. so
- B. instead
- C. because
- D. similarly

(2×7 marks)

8. Mention 3 reasons for space junk to be harmful as mentioned in the passage. (3 Marks)

9. According to the passage, mention 3 effective solutions for space junk (3 Marks)

10. find words from the passage, that have the similar meaning to the words given below. (5 Marks)

- a. Vital
- b. Reduce
- c. Ruin
- d. Blast
- e. Boundary

[25 Marks]

