

ACADEMIC YEAR 2023 – 2024

Program	Year	Semester	Paper
LTM/PE/DO/ME	1	1	MAIN
MODULE NAME:	TRANSPORT ENGLISH-I-I/TECHNICAL ENGLISH-I/ENGLISH-I		
MODULE CODE:	PENG-I-I/TENG-I/DENG-I/MENG-I	EXAM DATE:	02/01/2024
TEACHER'S NAME:	Salwa Al-Farsi	DURATION:	2 hrs.

Questions to be answered on:	Allowed requirements	Number of pages
Space provided on the question paper	Pen	(Incl. Cover Page): 10

Points of Attention:

- For each question, the maximum earned points are mentioned between brackets at the end of each question.
- Write very clearly! Answers that are not readable are not marked and don't get points!
- Make sure your answers are written to the point.
- All answers should be written **in English**.
- Write all the answers **in blue or black pen only**.
- When finished, submit the question paper together with the answer scripts and the signed cover page to the invigilator.
- Any cheating/copying may result in an instant failing of the examination.

FINAL MARKS

STUDENT NAME:	
STUDENT ID:	

	40
	10

Number of answer scripts:

Invigilator:

Student's signature:

Time of receipt:

READING

[15 Marks]

Read the article and answer the questions that follow.

Historic Solar Flight Shows Promise

Completing the first trip around the world exclusively on solar power, the experimental *Solar Impulse* has shown what may be possible in energy and flight. When it concluded its journey in the summer of 2016, the *Solar Impulse* became the first aircraft to circumnavigate the globe without a drop of liquid fuel. The flight took seventeen months and included stops in seventeen cities. Sun power propelled the pilots across approximately forty-three thousand kilometres of sky, and their landing in Abu Dhabi happened one day after the birthday of Amelia Earhart, who was the first woman to fly alone across the Atlantic in 1932.

Although a significant moment in the history of flight, *Solar Impulse* was always more about energy than aviation. Outlining his vision for the project more than twelve years ago, Bertrand Piccard, one of the pilots on the Solar Impulse, noted that clean energy wasn't being promoted properly. Solar Impulse, then, is an airborne argument for solar technologies. According to the supporters of the project to fly on solar energy alone, it will cut the world's energy consumption in half and protect a warming planet.

Of course, impressive though the flight was, solar-powered commercial air travel at the capacity and speeds the general public would expect isn't yet possible, and probably won't be in most of our lifetimes. *Solar Impulse* can only carry one person at a time – the pilot – and travels at about the speed of a car, seventy-five kilometres per hour, so it isn't likely to appeal to people keen to fly to the beach for their holidays.

A lot of what the achievement of the *Solar Impulse* is demonstrating is probably going to be relevant to earthbound applications before it becomes important to flight. For example, the plane's lightweight materials and other components could be used on the road. Its super-efficient engine ran

on electricity generated from 17,248 solar cells. These were special, energy-dense batteries which, uniquely, stored sun power so the plane could fly at night. It proved that a 24-hour electrical system, powered exclusively by renewable energy, is possible. The project helped develop solar cells that are nearly fifty per cent more efficient than regular ones.

A major supporter of the journey was Masdar, the sustainability testing ground located in Abu Dhabi, Solar Impulse's beginning and ending destination. 'In Abu Dhabi, you can feel the excitement surrounding Solar Impulse,' says Masdar CEO Mohamed Jameel Al Ramahi. 'Being the host city is a source of tremendous national pride.' In particular, he says, the plane's 118-hour flight over the Pacific Ocean 'shattered the myth that solar energy captured by PV panels can't be stored and utilized at night.' Here again is where *Solar Impulse* stands for advances that will more likely appear first on the ground, as power plants look to introduce more renewable energy while balancing the intermittent nature of the sun and wind.

While much of the technology aboard the *Solar Impulse* may be better employed on the ground for now, there is one area that seriously interests the aviation industry. Dan Rutherford, program director for marine and aviation technology at the International Council on Clean Transportation, notes that *Solar Impulse* is not just about the solar power. It's also about using electricity instead of combustion and hydraulics to power flight. 'We've already seen a movement toward more electric aircraft,' Rutherford says, pointing to the Boeing Dreamliner, which has batteries that power its auxiliary system and computers. Between the amazing advancements on the *Solar Impulse* and the most advanced commercial planes there are similarities. Although it may well be a while before we get on board a plane powered by the sun, it isn't going to be that long before trans-Pacific planes are exclusively using electricity to fly (Dummett, et al., 2019).

Question 1. Circle the correct answer.

(4 marks)

1. What was significant about the *Solar Impulse's* journey?
 - A. It was the fastest trip around the world.
 - B. It used liquid fuel for the entire journey.
 - C. It completed the first trip around the world exclusively on solar power.
 - D. It was the first flight to reach the Moon.

2. Whose birthday coincided with the landing of the *Solar Impulse* in Abu Dhabi?
 - A. Mohammed Jameel Al Ramahi
 - B. Bertrand Piccard
 - C. Atlantic
 - D. Amelia Earhart

3. According to Bertrand Piccard, what was the primary focus of the *Solar Impulse* project?
 - A. Advancing aviation technology
 - B. Breaking speed records
 - C. Promoting clean energy
 - D. Reducing travel time

4. According to Masdar CEO, what was significant about the 118-hour flight over the Pacific Ocean?
 - A. It shattered the myth about solar energy storage.
 - B. It demonstrated the limitations of solar energy.
 - C. It set a speed record.
 - D. It broke the sound barrier.

Question 2. Read the statements. Write T if the statement is *True* or F if the statement is *False*. (4 marks)

Statement	T / F
1. Supporters of the project claim that flying on solar energy alone will have no impact on the world's energy consumption.	_____
2. The <i>Solar Impulse</i> project proved that a 24-hour electrical system, powered exclusively by renewable energy, is not possible.	_____
3. Abu Dhabi is Solar Impulse's beginning and ending destination.	_____
4. The technology aboard the <i>Solar Impulse</i> is better suited for ground applications at the moment.	_____

Question 3. Complete the summary below using words from the text. Write *NO MORE THAN TWO WORDS AND/OR A NUMBER*. (4 marks)

- Solar Impulse's* journey took approximately _____ kilometers to complete.
- Solar Impulse* has the capacity to carry _____ person at a time, which is the pilot.
- While much of the technology aboard the *Solar Impulse* may be better employed on the ground for now, one area that seriously interests the aviation industry is the use of _____ instead of combustion and hydraulics to power flight.
- Dan Rutherford points to the _____ as an example of a commercial plane moving towards more electric aircraft.

Question 4. Find a word in the text that defines the following. (3 marks)

Definition	Paragraph	Word
1. produced by or using the sun's light or heat (adj.)	Paragraph 1	_____
2. a person who supports an idea (n.)	Paragraph 2	_____
3. deserving attention or admiration (adj.)	Paragraph 3	_____

(Encyclopedia Britannica, Inc., 2023)

LANGUAGE

[15 Marks]

Question 1. Circle the correct answer.

(5 marks)

1. When two people seem very different but have a good relationship, they are referred to as _____.
A. outgoing B. passing acquaintance C. odd couples D. dependable
2. A small container, often holding ink for a printer or a bullet for a firearm, is called a _____.
A. concert B. concrete C. cardboard D. cartridge
3. A person who performs on the street for money is known as a _____.
A. bond B. concert C. residential D. busker
4. The feeling of a strong desire or need for food is commonly known as _____.
A. congestion B. hunger C. epidemic D. poverty
5. If an area is primarily meant for people to live in, it is referred to as _____.
A. congestion B. arty C. residential D. considerate
6. Which term refers to a person's ability to navigate and find their way easily?
A. Sense of direction B. Sense of duty C. Common Sense D. Sense of belonging
7. When a substance or material is solid and firm, it can be described as _____.
A. cotton B. plastic C. concrete D. cardboard
8. He is such a _____ person, always thinking of others and their feelings.
A. arty B. shy C. considerate D. outgoing
9. The company's profits continue to _____ year after year, showing their strong growth.
A. hang out B. mass-produce C. thrive D. go round
10. If you are _____, you have a strong bond of loyalty and trust with someone.
A. faithful B. considerate C. outgoing D. busker

Question 2. Complete the sentences with the correct form of the verbs in brackets. (5 marks)

1. My mother often _____ (go round to) her neighbor's house to chat.
2. The chef _____ (prepare) a special dish for the occasion.
3. My friend never _____ (complain) about his workload.
4. _____ you ever _____ (climb) a mountain?
5. The little kid _____ (not sleep) when the storm started.
6. I absolutely love _____ (hike) in the mountains.
7. They decided _____ (explore) the ancient ruins during their vacation.
8. Does the alarm clock _____ (wake) you up at the same time every day?
9. I prefer _____ (cycle) to work instead of driving.
10. After the long journey, they _____ (check) into their hotel and immediately went to the beach.

Question 3. Circle the correct answer. (2 marks)

1. She has _____ amazing ability to learn new languages quickly.
A. a B. an C. some D. any
2. The team's effort led to _____ significant improvements in the project.
A. a B. an C. some D. much
3. He received _____ recognition for his outstanding contribution to the field of science.
A. a lack of B. the majority of C. loads of D. not many
4. _____ students attended the advanced mathematics class this semester.
A. Not many B. Not much C. A lack of D. A little

Question 4. Write a meaningful sentence using the words given below.

(0.5 marks for grammar accuracy & 0.5 marks for meaning – 3 marks)

1. energetic (adj.)

2. stepmother (n.)

3. enhance (v.)

WRITING

[10 Marks]

Question 1. Circle the correct answer.

1. What is the key difference between paraphrasing and summarizing?
 - A. Paraphrasing involves rephrasing the source in your own words while summarizing shortens the main ideas.
 - B. Paraphrasing provides a brief overview of the entire source while summarizing focuses on rephrasing a short passage.
 - C. Paraphrasing and summarizing are essentially the same.
2. What should you avoid when paraphrasing in a research essay?
 - A. Reusing the original source's exact wording
 - B. Changing the sentence structure while maintaining the original words
 - C. Replacing keywords with synonyms to enhance clarity
3. In an in-text citation, when the author's name is mentioned in the sentence, what additional information is typically included in brackets to identify the source?
 - A. The author's initials
 - B. The publication year
 - C. The source link

4. What information is essential in a full reference for a book?
 - A. Author's name, publication year and title
 - B. Author's name, publication year, title and publisher
 - C. Just the author's name and publication year
5. What is the purpose of an attention-grabbing hook in an introduction?
 - A. To provide a detailed summary of the essay's main points
 - B. To restate the thesis statement
 - C. To engage the reader and attract their interest in the topic
6. What role does a conclusion play in a research essay?
 - A. To introduce new ideas and concepts
 - B. To summarize the main points and restate the thesis statement
 - C. To suggest further reading for the reader
7. Which of the following is a valid way to create coherence between paragraphs in an essay?
 - A. Jumping abruptly from one topic to another
 - B. Repeating the same information multiple times
 - C. Using transitional words and phrases
8. When should you use a topic sentence in a paragraph?
 - A. Only in the introduction
 - B. At the beginning of each paragraph to introduce its main idea
 - C. Only in the conclusion
9. In an in-text citation for a direct quote, what should you include in addition to the author's name and publication year?
 - A. The page number
 - B. The publisher
 - C. The author's initials
10. Why is it essential to use pronouns like "this," "these," and "it" correctly for cohesion?
 - A. To confuse the reader
 - B. To maintain clarity and connect ideas
 - C. To demonstrate a wide vocabulary

References:

Dummett, P., et al. (2019). *Life: Student's Book: Upper Intermediate*. 2nd ed. National Geographic Learning.

Encyclopedia Britannica, Inc., (2023). The Britannica Dictionary. [Online]. [Viewed 07 November 2023]. Available at: <https://www.britannica.com/dictionary>.

MLO & Bloom's Level of Complexity

Q #	MLO Addressed	Complexity Level	Mark	Remark
Reading Question 1	MLO 2 & 3	Understanding/Analysing	4	
Reading Question 2	MLO 2 & 3	Understanding/Analysing	4	
Reading Question 3	MLO 2 & 3	Understanding/Analysing	4	
Reading Question 4	MLO 2 & 3	Understanding/Analysing	3	
Language Question 1	MLO 1 & 2	Remembering/Understanding	5	
Language Question 2	MLO 1 & 2	Remembering/Understanding /Application	5	
Language Question 3	MLO 1 & 2	Remembering/Understanding /Application	2	
Language Question 4	MLO 1 & 2	Understanding /Application	3	
Writing Question 1	MLO 1	Understanding/Application	10	