

## DET SAMPLE PAPER 08

### Instructions to Candidates

- **Duration Time Allowed:** 45 Minutes
- **Total Questions:** 35 Tasks / Evaluation Parameters
- **Theme Focus Area:** Science & Innovation
- **Integrated Skill Blocks Covered:** Read and Select, Fill in the Blanks, Interactive Reading, Interactive Listening, Listen and Type, Writing Sample, Speaking Sample.

### SECTION A: READ AND SELECT

*Directions: Evaluate each question set and select the real English word from the given options.*

1. Select the real English word:

- A. Innovation
- B. Plornet
- C. Wransic
- D. Tronvel

2. Select the real English word:

- A. Frample
- B. Research
- C. Clorset
- D. Snorvet

3. Select the real English word:

- A. Experiment
- B. Tramble

- C. Plevick
  - D. Gransel
4. Select the real English word:
- A. Wrandle
  - B. Discovery
  - C. Clornet
  - D. Drample
5. Select the real English word:
- A. Technology
  - B. Tronset
  - C. Flarnic
  - D. Bransel
6. Select the real English word:
- A. Vornet
  - B. Laboratory
  - C. Plasket
  - D. Fronick
7. Select the real English word:
- A. Scientist
  - B. Dransic
  - C. Twansel
  - D. Clornet
8. Select the real English word:
- A. Evidence
  - B. Wranset
  - C. Plarnic
  - D. Snorvik
9. Select the real English word:
- A. Tronsel
  - B. Analysis
  - C. Frample
  - D. Clarnic
10. Select the real English word:

- A. Observation
- B. Snorvet
- C. Framble
- D. Plevet

## SECTION B: FILL IN THE BLANKS

1. Scientists conduct \_\_\_\_\_ to test their ideas.
  - A. experiments
  - B. experimenting
  - C. experimented
  - D. experimentally
2. New technologies can improve the \_\_\_\_\_ of daily tasks.
  - A. efficient
  - B. efficiency
  - C. efficiently
  - D. efficiencies
3. Researchers collect \_\_\_\_\_ before reaching conclusions.
  - A. evidence
  - B. evident
  - C. evidently
  - D. evidencing
4. Scientific discoveries often lead to further \_\_\_\_\_ .
  - A. investigate
  - B. investigator
  - C. investigation
  - D. investigative
5. Innovation plays an important role in economic \_\_\_\_\_ .
  - A. growth
  - B. grow
  - C. growing
  - D. grown

## SECTION C: INTERACTIVE READING

**Passage:**

Scientific innovation has transformed modern society. Advances in medicine, transportation, and communication have improved people's quality of life and increased access to information. However, scientists and policymakers must carefully consider the ethical implications of new technologies to ensure they are used responsibly and benefit society as a whole.

1. What is the main idea of the passage?
  - A. Technology should be avoided.
  - B. Scientific innovation provides benefits but requires responsible use.
  - C. Communication is unnecessary.
  - D. Transportation has not improved.
2. Which field is mentioned as benefiting from innovation?
  - A. Agriculture only
  - B. Sports only
  - C. Medicine
  - D. Entertainment only
3. What must scientists and policymakers consider?
  - A. Travel expenses
  - B. Ethical implications
  - C. Social media trends
  - D. Advertising strategies
4. Why should new technologies be used responsibly?
  - A. To reduce competition
  - B. To increase costs
  - C. To benefit society
  - D. To avoid research
5. The author's tone is:
  - A. Informative
  - B. Humorous
  - C. Angry
  - D. Critical

## SECTION D: INTERACTIVE LISTENING

### Audio Transcript Context Flow:

**Daniel:** Did you hear about the new robotics competition at the university?

**Chloe:** Yes, I did. It sounds like a great opportunity for students interested in engineering and technology.

**Daniel:** I read that teams will design and build robots to complete specific tasks.

**Chloe:** That's interesting. It will give students practical experience and encourage teamwork.

**Daniel:** The winning team will receive funding to continue developing their project.

**Chloe:** That could really motivate participants to create innovative solutions.

**Daniel:** Are you thinking about joining?

**Chloe:** Definitely. I think it would be an excellent learning experience.

1. What are Daniel and Chloe discussing?

- A. A science fair
- B. A robotics competition
- C. A sports event
- D. A scholarship program

2. Who is the competition designed for?

- A. Teachers
- B. Business owners
- C. Students interested in engineering and technology
- D. Tourists

3. What will participants build?

- A. Computers
- B. Mobile applications
- C. Robots
- D. Vehicles

4. What benefit does Chloe mention?

- A. Financial rewards only
- B. Practical experience and teamwork
- C. Free travel
- D. Academic credits

5. What will the winning team receive?

- A. A trophy only
- B. Free tuition

- C. Funding for their project
  - D. A vacation package
6. According to Chloe, what could motivate participants?
- A. Competition rules
  - B. Funding opportunities
  - C. University rankings
  - D. Travel opportunities
7. Is Chloe interested in joining?
- A. No
  - B. Maybe
  - C. Yes
  - D. She is unsure
8. How does Chloe describe the competition?
- A. Difficult
  - B. Expensive
  - C. Boring
  - D. An excellent learning experience

## SECTION E : WRITING SAMPLE

### Question 34

*Directions: Write between 80–120 words responding to the objective prompt layout below.*

**Prompt:** Do you think scientific innovation has improved people's lives? Why or why not?

## SECTION F : SPEAKING SAMPLE

### Question 35

*Directions: Record your response, speaking fluently for a duration of 30–90 seconds.*

**Prompt:** Describe a scientific invention or technological innovation that has had a significant impact on society. Explain why it is important.

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# SOLUTIONS

## Section A

- 1 (A) **Innovation** — “Innovation” is a genuine vocabulary noun indicating progressive creative change. Alternate options are standard fake pseudowords.
- 2 (B) **Research** — “Research” represents an authentic English entry describing systematic scholastic investigation.
- 3 (A) **Experiment** — “Experiment” is a valid English entry noun specifying an empirical evaluation profile layout.
- 4 (B) **Discovery** — “Discovery” maps as an official vocabulary item indicating the act of unearthing new findings.
- 5 (A) **Technology** — “Technology” tracks as an official English noun referencing scientific engineering systems.
- 6 (B) **Laboratory** — “Laboratory” is a real, properly formatted English noun mapping dedicated research facility nodes.
- 7 (A) **Scientist** — “Scientist” is a legitimate vocabulary noun indicating a professional researcher.
- 8 (A) **Evidence** — “Evidence” is an established vocabulary entry noun tracking objective proof components.
- 9 (B) **Analysis** — “Analysis” is a valid English noun referencing a detailed interpretive examination.
- 10 (A) **Observation** — “Observation” is a standard derived noun recording sensory data monitoring processes.

## Section B

- 1 (A) **experiments** — The structural dynamic verb “conduct” requires direct coordination with a matching plural nominal direct object (“experiments”).
- 2 (B) **efficiency** — The definite baseline indicator article “the” maps directly onto a final nominal asset complement node (“efficiency”).
- 3 (A) **evidence** — The active verb phrase “collect” requires initialization of a standard singular or collective complement noun structure (“evidence”).
- 4 (C) **investigation** — The directional preposition connector “to” coupled with the modifier “further” requires structural completion by an abstract noun format (“investigation”).
- 5 (A) **growth** — The compound adjectival path “economic” requires structural synchronization with a matching objective noun node (“growth”).

## Section C

### 1(B) Scientific innovation provides benefits but requires responsible use.

The passage layout presents a balanced view, detailing significant structural society improvements while introducing non-negotiable threshold constraints regarding ethical regulations.

### 2(C) Medicine

Medicine is specifically cataloged within the direct textual listing of modernized fields transforming human quality of life indicators.

**3(B) Ethical implications**

The passage explicitly commands that scientists and lawmakers must evaluate deep ethical implications to guide technology safely.

**4(C) To benefit society**

Responsible systemic usage ensures that technical shifts protect future baseline assets and explicitly benefit society as a whole.

**5(A) Informative**

The author outlines academic facts and structural guidelines in a completely clear, neutral, and informative tone without personal distortion.

## Section D

### Listening Explanations

**1 (B) A robotics competition**

Daniel and Chloe initialize the interactive discussion block by reviewing an upcoming collegiate robotics competition layout.

**2 (C) Students interested in engineering and technology**

Chloe directly specifies that the programmatic target audience encompasses students aligned with technology and engineering.

**3 (C) Robots**

The core structural task constraints require participating engineering teams to configure and build robots.

**4 (B) Practical experience and teamwork**

Chloe highlights that the framework provides vital dual advantages, enabling practical task execution and cooperative teamwork skills.

**5 (C) Funding for their project**

Daniel validates the award layout metrics, noting that the winning team receives substantial funding allocations to develop their project node.

**6 (B) Funding opportunities**

Chloe confirms that financial milestone backing opportunities behave as excellent internal mechanisms to motivate innovative solutions.

**7 (C) Yes**

Chloe presents uncompromised programmatic alignment, affirming that she will definitely join the event.

**8 (D) An excellent learning experience**

Chloe summarizes her holistic assessment by characterizing the engineering track as an excellent learning experience loop.

## MODEL WRITING RESPONSE

### Question 1

I believe scientific innovation has greatly improved people's lives. Advances in medicine have helped treat diseases and increase life expectancy, while improvements in communication technology allow people to connect instantly across the world. Innovations in transportation have made travel faster and more convenient. In addition, scientific research has led to cleaner energy sources and better solutions to environmental challenges. Although some technologies may create ethical concerns, their benefits often outweigh the disadvantages when used responsibly. Overall, scientific innovation plays a crucial role in improving living standards and creating opportunities for future development.

## MODEL SPEAKING RESPONSE

### Question 1

One technological innovation that has had a major impact on society is the internet. It has transformed the way people communicate, learn, and access information. Students can study online, businesses can reach customers worldwide, and individuals can stay connected with family and friends regardless of location. The internet has also made services such as online banking, shopping, and remote work possible. While it is important to use it responsibly, the internet has significantly improved convenience, education, and communication. For these reasons, I believe it is one of the most important innovations in modern history.