

CEED – Design Drawing & Writing Skills

Sample Paper – 5

Duration: 105 Minutes | **Maximum Marks:** 100

Instructions

- This paper contains **5 questions** on drawing and writing skills, modelled on the **CEED Part B** (subjective) examination pattern. **All questions are compulsory.**
- There is **no negative marking**. Attempt every question; partial credit is awarded for incomplete but annotated work.
- Use **pen or pencil only**; rulers and set-squares are permitted for structural sketches.
- Note the **marks allotted and the suggested time** printed with each question and plan accordingly.
- **Annotate your drawings** with labels, dimensions, and material notes wherever the question requires it — annotated partial answers are awarded more credit than blank pages.
- **Mobile phones and electronic devices** are strictly prohibited inside the examination hall.



Question 1 [25 Marks | Suggested Time: 22 min]

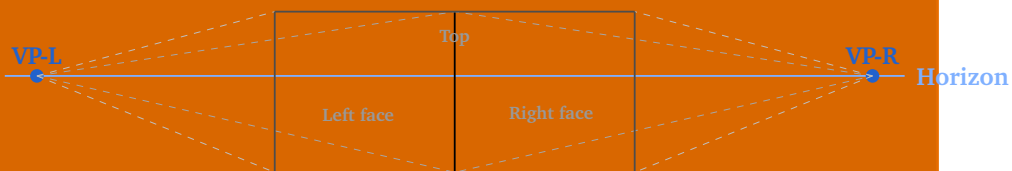
Topic: Freehand Drawing — Grandfather Clock (Longcase Clock) from Memory

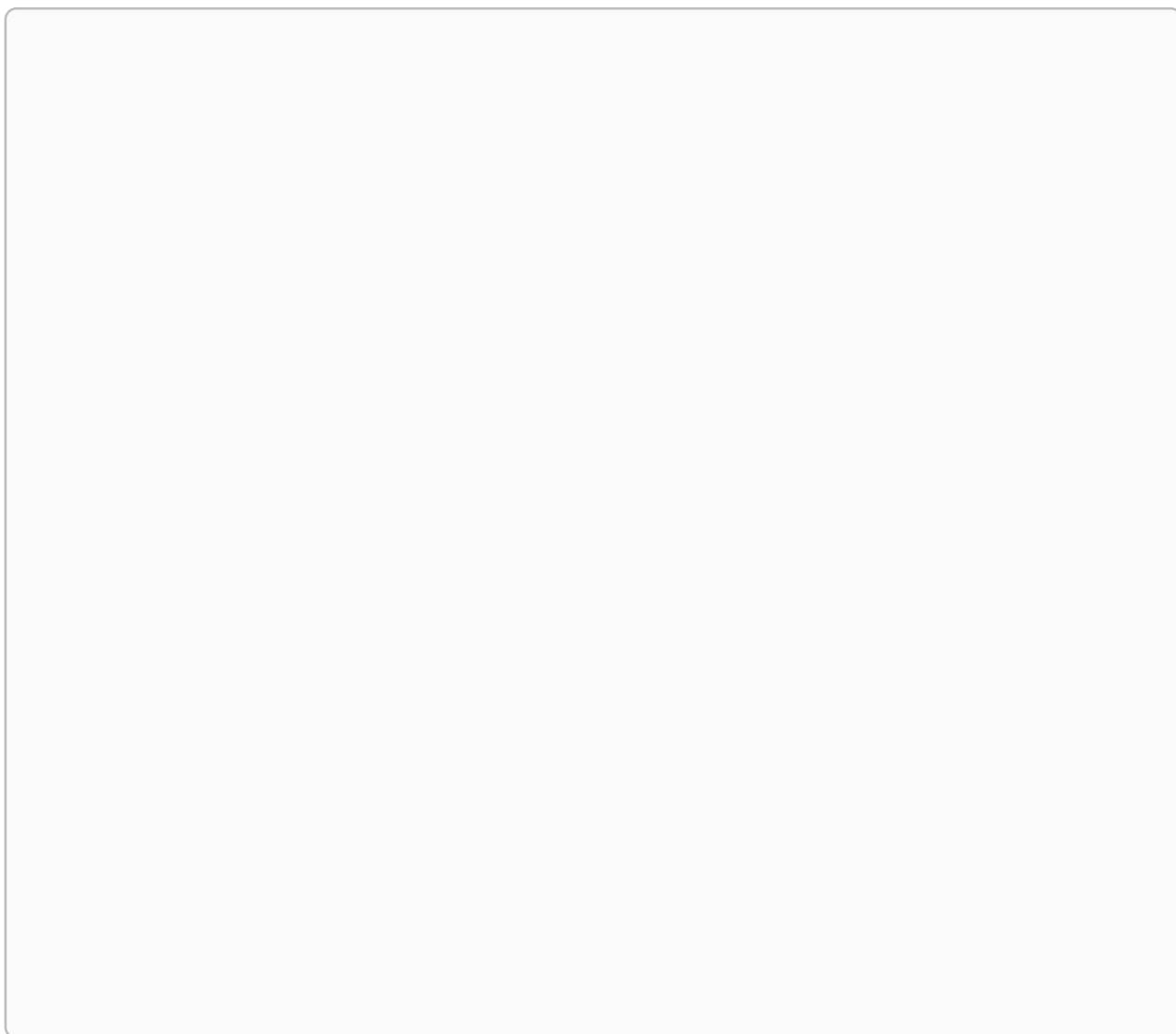
Draw a grandfather clock (longcase clock) entirely from memory, showing:

- (a) Front elevation view — clearly depicting the clock face with hour, minute, and second hands; the glass-fronted hood; trunk with visible pendulum; and the base (plinth).
- (b) Side profile view — showing the depth of the case and the projection of the base plinth.
- (c) 3D three-quarter perspective sketch — with light and shadow rendered on at least one face of the clock.

Label at least 5 structural parts from the following list: clock face, hood, trunk, base/plinth, pendulum, weights, glass door, finials.

Reference diagram — Two-point perspective grid (for your own use when constructing the 3D sketch):





Question 2 [20 Marks | Suggested Time: 20 min]**Topic: Product Design — Compact Hand-Cranked Emergency Torch for Disaster Relief**

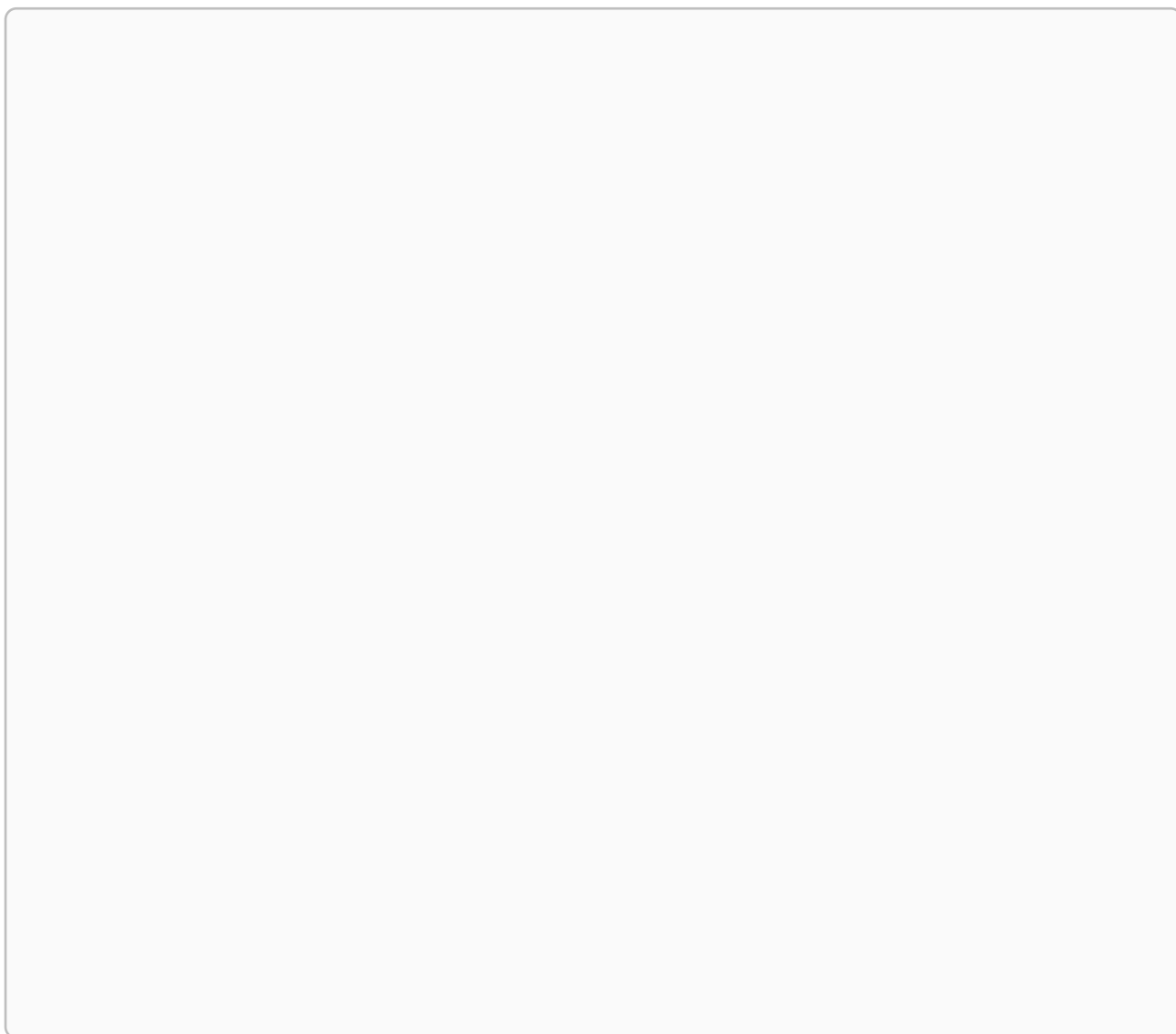
Design a compact, hand-cranked (dynamo) emergency torch / flashlight intended for disaster relief workers in areas without electricity or batteries. The device must be entirely self-powered by a hand-crank mechanism — no batteries or external power source may be shown.

Your response must include:

- (a) A 3D three-quarter sketch of the torch in its use-position, clearly showing:
- The crank handle and its attachment to the body
 - The LED head / beam aperture
 - The grip zone (texture, ribbing, or ergonomic shaping)
- (b) A cross-section or cut-away view revealing at least 2 internal components, e.g. dynamo/generator unit, capacitor or small rechargeable cell, LED module, wiring path.
- (c) Annotations indicating:
- Materials used for the outer casing, handle, and lens
 - Approximate overall dimensions (length × diameter)

Marks breakdown: 3D sketch (5) + Cross-section (5) + Materials annotation (5) + Dimensions (2) + Self-contained power design (3) = 20





Question 3 [20 Marks | Suggested Time: 20 min]**Topic: Visual Composition****— “Water Scarcity” Poster**

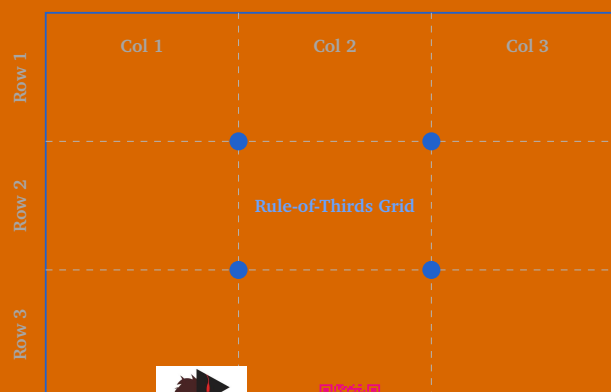
Create a single-frame poster communicating the theme of Water Scarcity. No text, words, or numerals may appear inside the image frame.

Your composition must include:

- A mix of organic and geometric forms — for example: cracked earth texture, water drop silhouettes, an empty vessel outline, arc of a harsh sun, a human figure.
- Clear visual hierarchy: one *dominant* element, one *secondary* element, and supporting *texture / background*.
- Conveyance of urgency or emotion through the deliberate use of scale, tonal contrast, or negative space.

After your image, write 2–3 sentences (in the lined area below) explaining your composition intent — what you placed as the dominant element and why, and how your use of form, contrast, or space communicates the theme.

Rule-of-thirds reference grid (for planning your composition):



Composition intent (2–3 sentences):



Question 4 [20 Marks | Suggested Time: 20 min]

Topic: Sequential Story-board — A Morning Commute

Draw a 6-panel storyboard illustrating the following scenario in sequence:

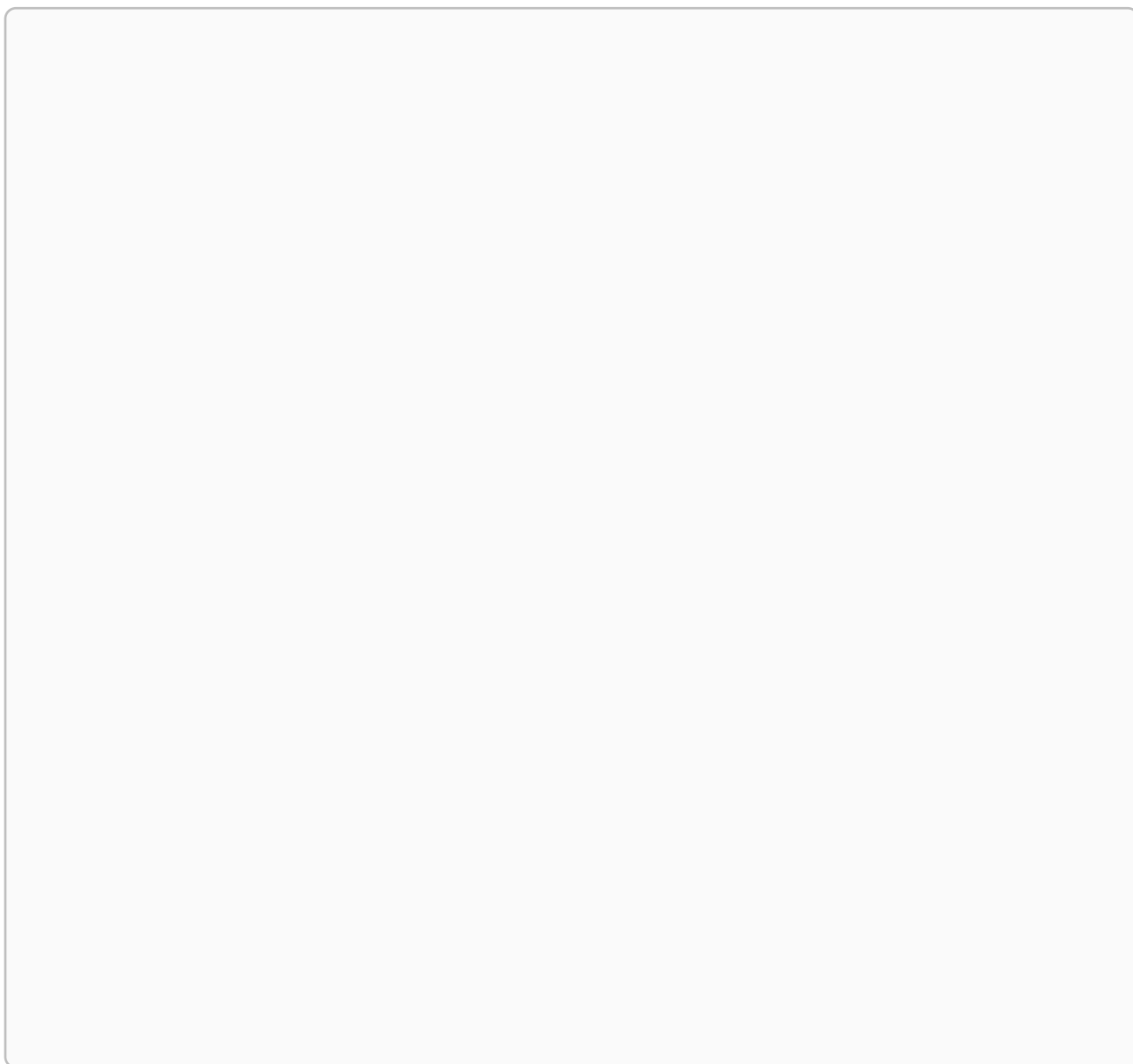
1. A young woman misses her morning bus.
2. She decides to cycle to work instead.
3. She encounters a flat tyre mid-journey.
4. She fixes the tyre with help from a street vendor.
5. She arrives at the office late.
6. She is greeted warmly by a colleague.

Requirements for each panel:

- Use character silhouettes and clear environment cues (bus stop, road, bicycle, tyre, office door, etc.).
- Write a caption of 10 words or fewer below each panel border.

Use the 2-row × 3-column panel grid below as your storyboard template:

1	2	3
caption	caption	caption
4	5	6
 		



Question 5 [15 Marks | Suggested Time: 15 min]

Topic: Writing Task — Inclusive
Design for Elderly Commuters

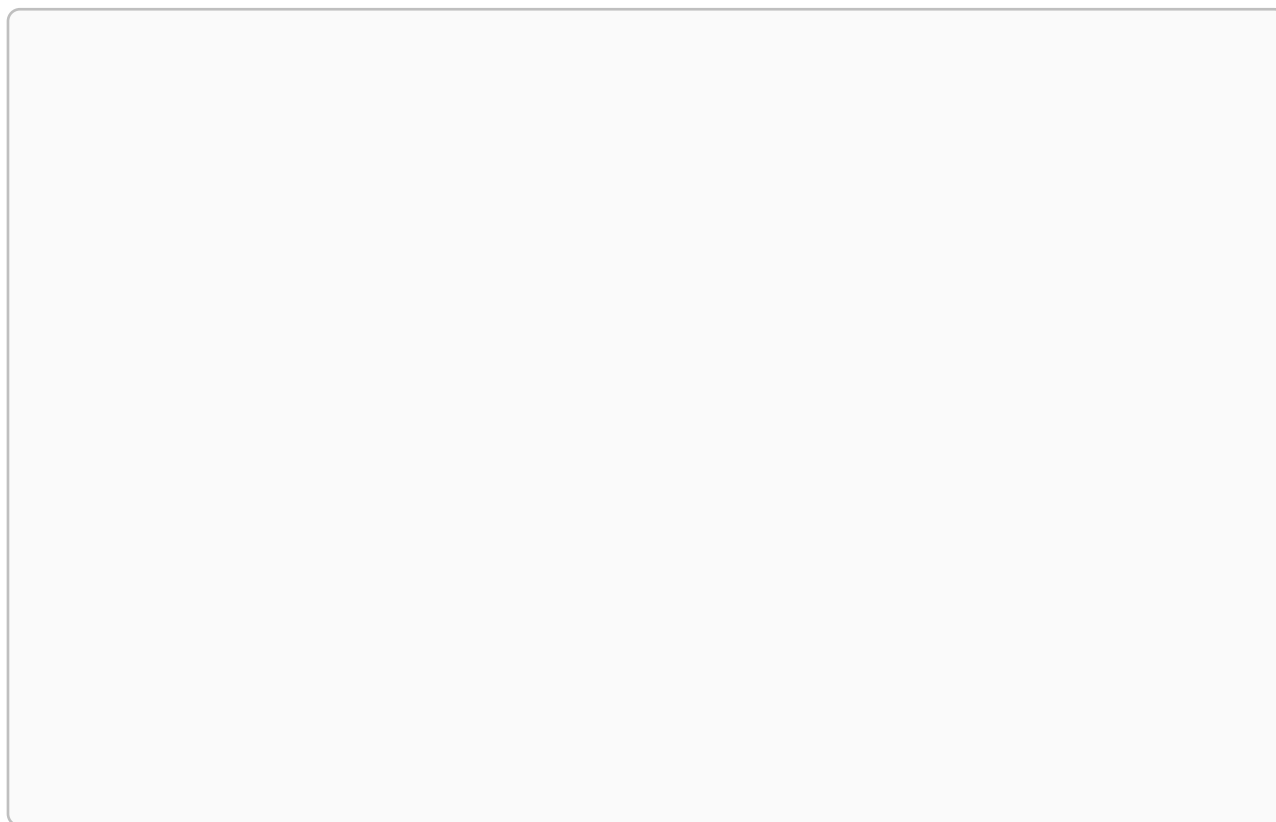
Write approximately 150 words
on the following prompt:

*“How inclusive design can improve the daily lives of
elderly commuters in Indian cities.”*

Your response must:

- Identify 2–3 specific challenges faced by elderly commuters in Indian urban environments (e.g. inaccessible transport infrastructure, overcrowding, lack of seating, poor wayfinding).
- Propose a concrete design intervention — this may be a product, a service, or a system-level solution — and explain how it addresses the identified challenges.
- Be written in clear, well-organised paragraphs. *Bullet-point responses will not be accepted and will receive zero marks for structure.*





Evaluation Guide

Evaluation Criteria

Q1 — Freehand Drawing: Grandfather Clock

Total: 25 marks

Criterion	Marks
Front elevation and side profile with plausible proportions	6
3D perspective sketch recognisable as a grandfather clock	7
Light and shadow rendered on at least one face	4
Five or more structural parts correctly labelled	5
Line quality and overall visual clarity	3
Total	25

Note: Deduct 2 marks if fewer than three views (front elevation, side profile, 3D sketch) are present.

Evaluation Criteria

Q2 — Product Design: Hand-Cranked Emergency Torch

Total: 20 marks



Criterion	Marks
Coherent 3D sketch showing crank handle, LED head, and grip zone	5
Cross-section or cut-away with at least two internal components	5
Materials annotated clearly	5
Approximate overall dimensions indicated	2
Design is self-contained and does not require external power (no battery or plug shown)	3
Total	20

Evaluation Criteria

Q3 — Visual Composition: Water Scarcity Poster

Total: 20 marks

Criterion	Marks
Theme communicated effectively without text inside the image	6
Mix of organic and geometric forms present	4
Visual hierarchy: dominant, secondary, and texture elements identifiable	4
Urgency or emotion conveyed through scale, contrast, or negative space	3
Composition intent statement (2–3 sentences) is relevant and clearly written	3
Total	20

Evaluation Criteria

Q4 — Sequential Storyboard: Morning Commute

Total: 20 marks

Criterion	Marks
All 6 panels present with clear borders	3
Logical and coherent narrative sequence across all panels	4
Characters and environment cues identifiable in each panel	5
Captions of 10 words or fewer for each panel	4
Overall visual storytelling quality and expressiveness	4
Total	20



Evaluation Criteria**Q5 — Writing Task: Inclusive Design for Elderly Commuters***Total: 15 marks*

Criterion	Marks
Identifies 2–3 specific challenges faced by elderly commuters	4
Proposes a specific and feasible design intervention	5
Well-organised paragraph structure (bullet points not accepted)	3
Grammar, vocabulary, and clarity of expression	3
Total	15

Total Marks: 100 | No Negative Marking

Attempt all questions. Annotated, partially complete answers score better than blank pages.

