

CEED

Design Drawing & Writing Skills

Sample Paper – 9

Duration: 105 Minutes | Maximum
Marks: 100

General Instructions

1. This paper contains **five** questions. Attempt **all** questions.
2. Answers are to be drawn / written in the designated answer-book provided.
3. Read each question carefully before beginning your answer.
4. **Neat, labelled, and annotated** answers fetch higher marks than elaborate but unlabelled ones.
5. Time allocation per question is indicative; manage your own time appropriately.
6. Calculators, electronic devices, and stencils are **not** permitted.



collegedunia.com/exams/ceed/sample-paper



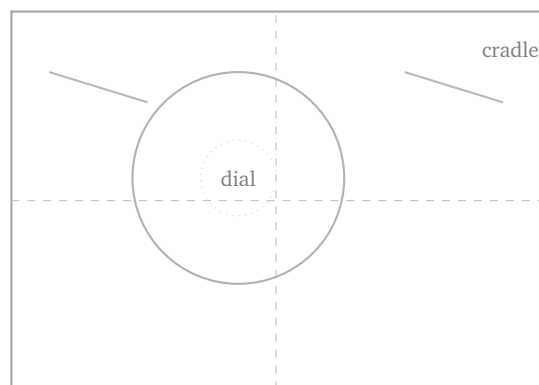
1 — 25[22 Marks | Suggested Time: min]**Freehand Drawing – Vintage Rotary Dial Telephone**

Draw a **vintage rotary dial telephone** entirely from memory. Produce **all three** of the following views:

- (a) **Front elevation view** — showing the handset resting on the cradle, the rotary dial with finger holes, speaker/microphone grilles, and the coiled cord emerging from the base.
- (b) **Side profile view** — showing the depth of the body, the angled cradle arms that support the handset, and the overall silhouette from the side.
- (c) **3D three-quarter perspective sketch** — showing the telephone from a slightly above-front-left vantage point, with **light and shadow** rendered on at least one surface to convey volume.

Label at least **5 parts** chosen from: handset, cradle, rotary dial, finger holes, coiled cord, earpiece, mouthpiece, dial plate, number ring.

Use the **proportion box** guide below (aspect ratio approximately 1.4 : 1 for the front view) as a reference for proportioning your front elevation. The circular placeholder indicates the rotary dial position.



Front Elevation Guide (1.4 : 1)

Answer Space – Q1 (draw all three views; label at least 5 parts):



Evaluation Criteria

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

Note: Deduct 2 marks if fewer than three views are present.



2 — 20[20 Marks | Suggested Time: min]

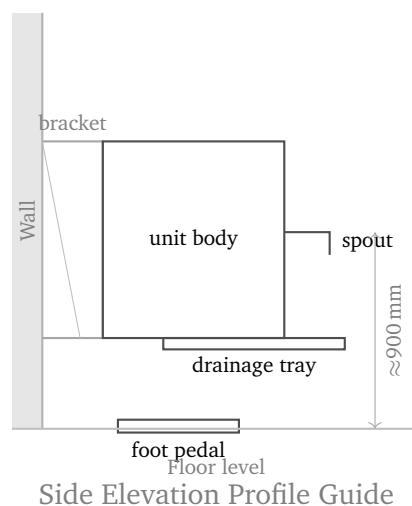
Product Design – Wall-Mounted Public Drinking Water Dispenser for Railway Platforms
Design a **compact, wall-mounted public drinking water dispenser** intended for Indian railway station platforms. The dispenser must satisfy the following requirements:

- Operable **without using hands** — actuated by a foot pedal or forearm lever.
- Designed for **high-traffic, vandal-resistant** public use.
- Equipped with a **waste-water drainage tray** directly below the spout.

Produce the following sketches:

- (a) **3D three-quarter sketch** of the full unit mounted on a wall, clearly showing the foot-pedal mechanism, spout, drainage tray, and protective housing.
- (b) **Detail sketch of the foot-pedal actuation linkage** — showing how downward foot pressure on the pedal mechanically opens the water valve (show lever arm, pivot, valve stem, and linkage rod).
- (c) **Material annotations** directly on the sketches: e.g., 304-grade stainless steel housing, ABS pedal, chrome-plated brass spout, rubber gaskets. Indicate the approximate **spout height from floor level**.

Refer to the side-elevation profile guide below for overall proportions.



Answer Space – Q2 (3D sketch, pedal linkage detail, and material annotations):



Evaluation Criteria

Criterion	Marks
3D sketch of full unit with foot-pedal mechanism and drainage tray	5
Foot-pedal linkage detail clearly showing valve actuation	5
Materials annotated on sketches	5
Spout/mounting height indicated	2
Vandal-resistant and hygienic design plausibility	3
Total	20

Note: A linkage detail with no pivot or lever indication scores at most 2 of 5 for that criterion.



3 — 20[20 Marks | Suggested Time: min]

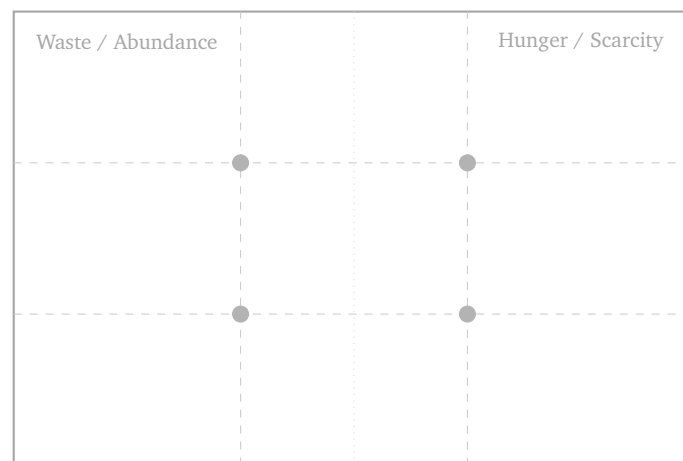
Visual Composition – “Food Waste and World Hunger”

Create a **single-frame visual composition** communicating the theme “**Food Waste and World Hunger**”. **No text or lettering** is permitted inside the image frame.

Your composition must:

- Show a **stark juxtaposition**: one side depicting abundance and waste (overflowing bins, discarded produce, half-eaten food) and the other depicting scarcity and hunger (empty plates, outstretched hands, bare bowls).
- Use **visual asymmetry** as a deliberate compositional device — the two halves should be visually unequal in tonal weight to reinforce the imbalance between the two realities.
- Include a **single unifying element** that bridges both halves (e.g., a single grain of rice, a loaf of bread, a solitary fruit) to create a compositional anchor.

After completing the image, write **2–3 sentences** below the frame explaining your composition intent — describe the asymmetry strategy and the role of the unifying element. Use the Rule of Thirds grid below as a planning reference before beginning your composition.



Rule of Thirds Reference Grid

Answer Space – Q3 (single-frame composition; no text inside the frame): Composition



intent (2–3 sentences):

Evaluation Criteria

Criterion	Marks
Theme of food waste and hunger communicated without text	6
Stark juxtaposition of waste/abundance and scarcity/hunger	4
Clear focal / unifying element bridging both halves	4
Visual asymmetry used as a deliberate compositional device	3
Composition intent statement (2–3 sentences)	3
Total	20

Note: Any text or lettering inside the image frame incurs a deduction of 2 marks per instance.



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

Sequential Storyboard – A Retired Doctor at a Rural Health Camp

Draw a **5-panel storyboard** for the following scenario:

Panel 1: A retired doctor boards an early-morning train with a small medical bag. The platform is dim; a few passengers watch.

Panel 2: The doctor arrives at a village and sets up a makeshift examination table under a large tree. Huts are visible in the background.

Panel 3: The doctor examines a queue of villagers — children, elderly men and women, and mothers holding infants.

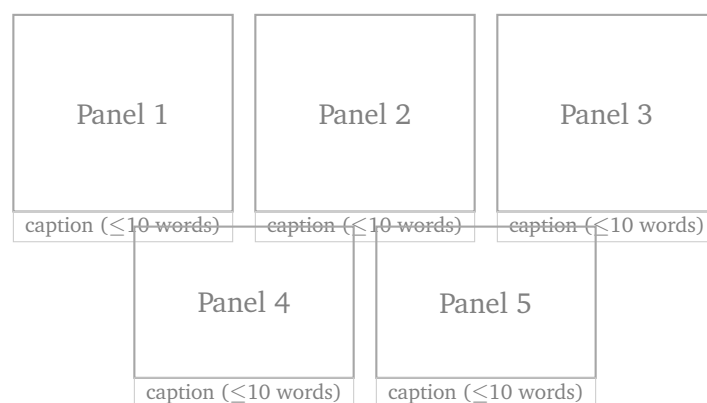
Panel 4: The doctor distributes medicines from the bag and writes prescription instructions on small paper slips handed to each patient.

Panel 5: Villagers wave goodbye as the doctor, bag in hand, walks back toward the train station against a warm sunset sky.

Requirements per panel:

- Clear **silhouettes** of the doctor, patients, and relevant environment cues (train, tree, examination table, village huts, sunset).
- A **caption of 10 words or fewer** written below each panel border.

Refer to the 5-panel grid guide below (3 panels in the top row, 2 panels centred in the bottom row).



5-Panel Storyboard Grid Reference

Answer Space – Q4 (5 panels with borders; caption $\leq$ 10 words per panel):



Evaluation Criteria

Criterion	Marks
All 5 panels present with clear borders	2
Logical and coherent narrative across panels	4
Characters and environment identifiable in each panel	6
Captions of 10 words or fewer per panel	4
Visual storytelling quality (composition, silhouettes, pacing)	4
Total	20

Note: Captions exceeding 10 words lose 0.5 marks per panel. A missing panel loses 1 mark from the “all 5 panels” criterion.



5 — 15[15 Marks | Suggested Time: min]**Writing Task – Material Honesty in Sustainable Furniture Design**

Write approximately **150 words** on the following topic:

“How the principle of ‘material honesty’ – using materials in ways that truthfully reveal their nature and origin – contributes to more sustainable and culturally resonant furniture design.”

Your response **must**:

- **Define or explain** the concept of material honesty in 1–2 sentences.
- **Identify 2–3 specific ways** material honesty manifests in furniture design — for example: exposed wood grain left unvarnished to show species character, visible mortise-and-tenon joinery that communicates structural logic, unfinished solid-wood edges instead of veneer over MDF, or natural rattan left in its woven state rather than spray-painted.
- **Propose one concrete design example** — a specific furniture piece, material choice, or joinery technique that demonstrates the principle in practice.
- Be written in **clear, continuous paragraphs**. Bullet points, numbered lists, and headings **will not be accepted**.

Answer Space – Q5 (approx. 150 words; continuous paragraphs only):

Evaluation Criteria

Criterion	Marks
Concept of material honesty clearly defined / explained	4
2–3 specific manifestations in furniture design identified	4
Concrete design example proposed (piece, material, or technique)	4
Clear paragraph structure and precise language	3
Total	15

Note: Responses written as bullet points or lists are capped at 8 out of 15. Responses under 100 words lose 2 marks from the language criterion.

Total Marks: 100 | No Negative Marking

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

