



Applaa UCAT Practice Mock 156

Mock Practice Exam Booklet

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Instructions & Study Method

Welcome to your Applaa offline practice booklet. Please follow these guidelines to maximize your learning outcome:

- 1. Distraction-Free Practice:** Solve the multiple-choice questions in Section 1 under timed conditions. Do not look for shortcuts or answers until you are completely done.
- 2. Check & Submit Online:** We have intentionally excluded the answer key from this printout. To get your score, see worked solutions, and track your progress metrics, open: <https://applaa.com/practice/check?exam=ucat&paper;=156> on any browser. Bubble in your answers in our digital check sheet.
- 3. Learn with Appy Buddy (AI Socratic Tutor):** Applaa is a 100% ad-free educational space. Our online AI Tutor guides you step-by-step through questions you get wrong, showing you how to solve them rather than just giving you the answer.

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Section 1: Practice Questions

Question 1 — [Verbal Reasoning / true_false_cant_tell]

Read the passage below and decide if the following statement is True, False, or Can't Tell based on the text.

Passage: In 2021, research conducted by researchers led by Dr. Barbara McClintock at the Renewable Energy Research investigated the properties of Germanene. Initial experimental setups achieved an energy conversion efficiency of 26 percent. By refining the chemical vapor deposition process and reducing crystalline defects, the team successfully boosted the efficiency of Germanene to 44 percent in follow-up trials. Despite these promising results, commercial viability is currently limited by the high cost of raw precursor materials and safety regulations governing nanotechnology manufacturing. Statement: The research at the Renewable Energy Research was funded by a government scientific grant.

- A: True
- B: False
- C: Can't Tell

Question 2 — [Verbal Reasoning / true_false_cant_tell]

Read the passage below and decide if the following statement is True, False, or Can't Tell based on the text.

Passage: In 2019, research conducted by researchers led by Dr. Aris Thorne at the Materials Science Lab investigated the properties of Borophene. Initial experimental setups achieved an energy conversion efficiency of 15 percent. By refining the chemical vapor deposition process and reducing crystalline defects, the team successfully boosted the efficiency of Borophene to 36 percent in follow-up trials. Despite these promising results, commercial viability is currently limited by the high cost of raw precursor materials and safety regulations governing nanotechnology manufacturing. Statement: Borophene became commercially viable immediately following the trials led by Dr. Aris Thorne.

- A: True
- B: False
- C: Can't Tell

Question 3 — [Verbal Reasoning / true_false_cant_tell]

Read the passage below and decide if the following statement is True, False, or Can't Tell based on the text.

Passage: During the mid-nineteenth and early twentieth centuries, global trade networks reshaped national economies. In 1832, the annual production of silver in Poland stood at approximately 22 million metric tons. Following key infrastructure improvements and trade agreements with Germany, production in Poland surged to 79 million metric tons by 1843. During this same period, Canada emerged as the primary global importer of silver, consuming over sixty percent of the total global export supply, although its domestic production remained minimal. Statement: Germany produced more silver than Poland did between 1832 and 1843.

- A: True
- B: False
- C: Can't Tell

Question 4 — [Verbal Reasoning / true_false_cant_tell]

Read the passage below and decide if the following statement is True, False, or Can't Tell based on the text.

Passage: During the mid-nineteenth and early twentieth centuries, global trade networks reshaped national economies. In 1890, the annual production of tea in Belgium stood at approximately 49 million metric tons. Following key infrastructure improvements and trade agreements with Italy, production in Belgium surged to 97 million metric tons by 1910. During this same period, Indonesia emerged as the primary global importer of tea, consuming over sixty percent of the total global export supply, although its domestic production remained minimal. Statement: Indonesia signed an official trade treaty with Belgium to secure its import of tea.

- A: True
- B: False
- C: Can't Tell

Question 5 — [Decision Making / venn_deduction]

Based on the Venn diagram, how many members belong to AT LEAST two clubs/groups?

- A: 38
- B: 41
- C: 51
- D: 36

Question 6 — [Decision Making / venn_deduction]

Based on the Venn diagram, how many members belong to AT LEAST two clubs/groups?

- A: 22
- B: 32
- C: 30
- D: 19

Question 7 — [Decision Making / venn_deduction]

Based on the Venn diagram, how many members belong to both Dog Owners and Bird Owners?

- A: 8
- B: 18
- C: 16
- D: 13

Question 8 — [Decision Making / error_checking]

How many of the four pictures in the left-hand column are exactly the same as the corresponding picture in the right-hand column?

- A: 0
- B: 1
- C: 2
- D: 3
- E: 4

Question 9 — [Quantitative Reasoning / chart_interpretation]

What is the simplified ratio of the revenue of Dept C to that of Dept B?

- A: 2:5
- B: 1:1
- C: 5:2
- D: 2:1
- E: 3:2

Question 10 — [Quantitative Reasoning / chart_interpretation]

What is the simplified ratio of the revenue of Dept A to that of Dept C?

- A: 1:3
- B: 2:5
- C: 8:11
- D: 3:2
- E: 2:3

Question 11 — [Quantitative Reasoning / table_interpretation]

What is the percentage increase in sales of Product Gamma from 2023 to 2025?

- A: -10.0%
- B: -22.5%
- C: -18.2%
- D: -4.6%
- E: -0.9%

Question 12 — [Quantitative Reasoning / table_interpretation]

What are the average annual sales of Product Alpha over the three-year period (in thousands)?

- A: \$165.0k
- B: \$179.1k
- C: \$185.0k
- D: \$175.4k
- E: \$170.0k

Question 13 — [Abstract Reasoning / set_ab]

Does the Test Shape belong to Set A, Set B, or Neither?

- A: Set A
- B: Set B
- C: Neither

Question 14 — [Abstract Reasoning / odd_one_out]

Which of the following boxes does not belong with the others?

- A: Box A
- B: Box B
- C: Box C
- D: Box D
- E: Box E

Question 15 — [Abstract Reasoning / odd_one_out]

Which of the following boxes does not belong with the others?

- A: Box A
- B: Box B
- C: Box C
- D: Box D
- E: Box E

Question 16 — [Abstract Reasoning / set_ab]

Does the Test Shape belong to Set A, Set B, or Neither?

- A: Set A
- B: Set B
- C: Neither

Question 17 — [Situational Judgement / appropriateness]

Scenario: A junior doctor, Isabella, at Methodist Hospital discovers that her close colleague, Richard, who has worked there for 10 months, has been falsifying overnight patient observation logs in psychiatry. How appropriate is the following action? Action: The doctor decides not to report it to protect her colleague's medical career.

- A: A very appropriate thing to do
- B: Appropriate, but not ideal
- C: Inappropriate, but not awful
- D: A very inappropriate thing to do

Question 18 — [Situational Judgement / appropriateness]

Scenario: A medical student, Emily, on a geriatrics placement at St. Jude's Hospital is told by a 80-year-old patient in confidence on Wednesday evening that they plan to physically harm their partner later that day. How appropriate is the following action? Action: The student promises to keep this completely confidential to maintain the patient's trust.

- A: A very appropriate thing to do
- B: Appropriate, but not ideal
- C: Inappropriate, but not awful
- D: A very inappropriate thing to do

Question 19 — [Situational Judgement / appropriateness]

Scenario: A junior doctor, Lucy, notices that a senior registrar at Grace Medical Center has been prescribing sertraline at an unusually high dose to multiple patients in the cardiology department on Wednesday evening. She is confident the dose exceeds safe guidelines. How appropriate is the following action? Action: The junior doctor raises her concern directly with the registrar first, and escalates it to the consultant if the issue remains unresolved.

- A: A very appropriate thing to do
- B: Appropriate, but not ideal
- C: Inappropriate, but not awful
- D: A very inappropriate thing to do

Question 20 — [Situational Judgement / appropriateness]

Scenario: A medical student, Emily, is assigned to work with William on a geriatrics research project at Mount Sinai. William has not attended meetings or responded to group emails. The project is due in 20 days. How appropriate is the following action? Action: The student completes all of William's assigned research tasks herself without telling the supervisor.

- A: A very appropriate thing to do
- B: Appropriate, but not ideal
- C: Inappropriate, but not awful
- D: A very inappropriate thing to do

Submit Answers & Check worked Solutions

■ Section Complete!

You have completed this practice exam paper. To check your answers and view step-by-step worked explanations:

■ Go to: <https://applaa.com/practice/check?exam=ucat&paper;=156>

Simply bubble in your choices (e.g. A, B, C, D) and get instantly scored! You can then review the explanations or chat with Appy Buddy (AI Socratic tutor) to understand complex concepts.