



# Applaa UCAT Practice Mock 44

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;=44> 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 2026, research conducted by researchers led by Dr. Chien-Shiung Wu at the Genetic Engineering Center investigated the properties of Carbyne. 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 Carbyne to 51 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 team led by Dr. Chien-Shiung Wu managed to increase the energy conversion efficiency of Carbyne.

- 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: During the mid-nineteenth and early twentieth centuries, global trade networks reshaped national economies. In 1837, the annual production of gold in Spain stood at approximately 40 million metric tons. Following key infrastructure improvements and trade agreements with Australia, production in Spain surged to 61 million metric tons by 1854. During this same period, Ukraine emerged as the primary global importer of gold, consuming over sixty percent of the total global export supply, although its domestic production remained minimal. Statement: Ukraine signed an official trade treaty with Spain to secure its import of gold.

- 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: In 2026, research conducted by researchers led by Dr. Sarah Jenkins at the Astrophysics Division investigated the properties of Carbyne. Initial experimental setups achieved an energy conversion efficiency of 21 percent. By refining the chemical vapor deposition process and reducing crystalline defects, the team successfully boosted the efficiency of Carbyne to 37 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 Astrophysics Division was funded by a government scientific grant.

- 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 1901, the annual production of silver in Brazil stood at approximately 71 million metric tons. Following key infrastructure improvements and trade agreements with Ireland, production in Brazil surged to 92 million metric tons by 1931. During this same period, Finland 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: The annual production of silver in Brazil was higher in 1931 than it was in 1901.

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

**Question 5 — [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 6 — [Decision Making / venn\_deduction]**

Based on the Venn diagram, how many members belong to Dog Owners and Cat Owners but NOT Bird Owners?

- A: 3
- B: 18
- C: 13
- D: 21

**Question 7 — [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 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 B to that of Dept D?

- A: 2:3
- B: 4:1
- C: 11:15
- D: 4:3
- E: 1:4

**Question 10 — [Quantitative Reasoning / table\_interpretation]**

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

- A: \$177.0k
- B: \$169.5k
- C: \$197.0k
- D: \$187.4k
- E: \$182.0k

**Question 11 — [Quantitative Reasoning / chart\_interpretation]**

What is the combined revenue of Dept C and Dept D (in thousands)?

- A: \$210k
- B: \$190k
- C: \$200k
- D: \$220k
- E: \$170k

**Question 12 — [Quantitative Reasoning / table\_interpretation]**

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

- A: 26.0%
- B: 29.7%
- C: 20.6%
- D: 35.6%
- E: 15.6%

**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 / set\_ab]**

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

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

**Question 16 — [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 17 — [Situational Judgement / appropriateness]**

Scenario: A junior doctor, Ella, at Royal Hospital discovers that her close colleague, Matthew, who has worked there for 2 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 final-year medical student, Lily, is working at City General Infirmary on Friday night. She notices that a fellow medical student, Mark, has arrived on shift smelling strongly of alcohol. Mark is scheduled to assist in a clinical procedure later that morning on a ward with 37 patients under the supervision of a registrar. How appropriate is the following action? Action: Lily immediately reports Mark to the supervising consultant in charge.

- 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 / importance]**

Scenario: A medical student, Charlotte, at Valley View is deciding whether to report a classmate, Alex, who was seen copying answers during a formative urology test worth 16 points. How important is the following factor to consider? Factor: Whether the exam was a formative test or a formal summative exam.

- A: Very Important
- B: Important
- C: Of Minor Importance
- D: Not Important at All

**Question 20 — [Situational Judgement / appropriateness]**

Scenario: A final-year medical student, Emily, is working at Grace Medical Center on Sunday night. She notices that a fellow medical student, William, has arrived on shift smelling strongly of alcohol. William is scheduled to assist in a clinical procedure later that morning on a ward with 30 patients under the supervision of a registrar. How appropriate is the following action? Action: Emily immediately reports William to the supervising consultant in charge.

- 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;=44>

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.