



# Applaa UCAT Practice Mock 167

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;=167> 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: Public health campaigns in New Zealand during the late twentieth century made significant progress in combating infectious diseases. In 2002, the incidence rate of Dengue Fever was recorded at 233 cases per 100,000 people. Following a nationwide distribution of protective nets and sanitation improvements, the rate fell to 160 cases per 100,000 people over the next decade. While this decline was celebrated as a major victory, health officials warned that rising temperatures could allow vector populations to rebound in rural regions.

Statement: The incidence rate of Dengue Fever per 100,000 people in New Zealand decreased after the public health campaign.

- 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 2026, research conducted by researchers led by Prof. Lise Meitner at the Materials Science Lab investigated the properties of Carbon-Nanotubes. 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 Carbon-Nanotubes to 39 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 Materials Science Lab was funded by a government scientific grant.

- 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 1910, the annual production of iron ore in Vietnam stood at approximately 56 million metric tons. Following key infrastructure improvements and trade agreements with South Africa, production in Vietnam surged to 81 million metric tons by 1929. During this same period, Ecuador emerged as the primary global importer of iron ore, consuming over sixty percent of the total global export supply, although its domestic production remained minimal. Statement: The annual production of iron ore in Vietnam was higher in 1929 than it was in 1910.

- 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: In 2015, research conducted by researchers led by Prof. Elena Vance at the Astrophysics Division investigated the properties of Gallium-Nitride. Initial experimental setups achieved an energy conversion efficiency of 16 percent. By refining the chemical vapor deposition process and reducing crystalline defects, the team successfully boosted the efficiency of Gallium-Nitride to 30 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 5 — [Decision Making / venn\_deduction]**

Based on the Venn diagram, how many members belong to EXACTLY one club/group?

- A: 84
- B: 79
- C: 74
- D: 76

**Question 6 — [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 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 / venn\_deduction]**

Based on the Venn diagram, how many members belong to both Tennis and Athletics?

- A: 6
- B: 24
- C: 13
- D: 16

**Question 9 — [Quantitative Reasoning / table\_interpretation]**

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

- A: 10.8%
- B: 2.6%
- C: 25.8%
- D: -1.7%
- E: 5.8%

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

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

- A: \$230k
- B: \$240k
- C: \$190k
- D: \$200k
- E: \$210k

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

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

- A: -16.0%
- B: -12.8%
- C: -7.8%
- D: 7.2%
- E: 1.3%

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

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

- A: \$230k
- B: \$200k
- C: \$240k
- D: \$210k
- E: \$190k

**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 / 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 / importance]**

Scenario: A GP, Isabella, in neurology at Westside Clinic is deciding whether to refer an anxious 60-year-old patient for an MRI scan for back pain, which is not clinically indicated. The patient has been experiencing symptoms for 6 weeks. How important is the following factor to consider? Factor: The patient's anxiety and their explicit request for the scan.

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

**Question 18 — [Situational Judgement / importance]**

Scenario: A medical student, Lucy, at St. Jude's Hospital is deciding whether to report a classmate, Gary, who was seen copying answers during a formative dermatology test worth 27 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 19 — [Situational Judgement / appropriateness]**

Scenario: A medical student, Alice, is assigned to work with Gary on a general surgery research project at Westside Clinic. Gary has not attended meetings or responded to group emails. The project is due in 21 days. How appropriate is the following action? Action: The student sends Gary a polite message asking him to contribute by tomorrow, copying in the project 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

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

Scenario: A medical student, Olivia, at St. Mary's Hospital is deciding whether to report a classmate, Mark, who was seen copying answers during a formative oncology test worth 27 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

# 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;=167>

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.