



# Applaa UCAT Practice Mock 223

Mock Practice Exam Booklet

## Applaa: Socratic Practice Engine

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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;=223> 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 Malaysia during the late twentieth century made significant progress in combating infectious diseases. In 2009, the incidence rate of Dengue Fever was recorded at 142 cases per 100,000 people. Following a nationwide distribution of protective nets and sanitation improvements, the rate fell to 81 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 nationwide distribution of protective nets cost the government of Malaysia over ten million dollars.

- 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 1822, the annual production of rubber in Mexico stood at approximately 19 million metric tons. Following key infrastructure improvements and trade agreements with Kenya, production in Mexico surged to 54 million metric tons by 1845. During this same period, Japan emerged as the primary global importer of rubber, consuming over sixty percent of the total global export supply, although its domestic production remained minimal. Statement: Kenya produced more rubber than Mexico did between 1822 and 1845.

- 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: Public health campaigns in Portugal during the late twentieth century made significant progress in combating infectious diseases. In 2003, the incidence rate of Tuberculosis was recorded at 180 cases per 100,000 people. Following a nationwide distribution of protective nets and sanitation improvements, the rate fell to 81 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 Tuberculosis per 100,000 people in Portugal decreased after the public health campaign.

- 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 1934, the annual production of silk in Venezuela stood at approximately 64 million metric tons. Following key infrastructure improvements and trade agreements with Mexico, production in Venezuela surged to 92 million metric tons by 1967. During this same period, Czechia emerged as the primary global importer of silk, consuming over sixty percent of the total global export supply, although its domestic production remained minimal. Statement: The annual production of silk in Venezuela was higher in 1967 than it was in 1934.

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

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

Based on the Venn diagram, how many members belong to Tennis and Swimming but NOT Athletics?

- A: 15
- B: 21
- C: 13
- D: 18

**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 / venn\_deduction]**

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

- A: 24
- B: 26
- C: 29
- D: 19

**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 / table\_interpretation]**

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

- A: \$165.0k
- B: \$185.0k
- C: \$170.0k
- D: \$157.5k
- E: \$179.1k

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

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

- A: \$245.0k
- B: \$237.5k
- C: \$265.0k
- D: \$241.8k
- E: \$250.0k

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

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

- A: \$270k
- B: \$230k
- C: \$260k
- D: \$240k
- E: \$250k

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

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

- A: \$194.7k
- B: \$174.7k
- C: \$179.7k
- D: \$185.1k
- E: \$171.5k

**Question 13 — [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 14 — [Abstract Reasoning / sequence]**

Which of the options completes the sequence shown in the diagram?

**A:** `<svg width="70" height="70" viewBox="0 0 70 70" xmlns="http://www.w3.org/2000/svg" style="background-color:#f8f9fa;border:1px solid #ced4da;"> <rect x="0" y="0" width="70" height="70" rx="4" ry="0" fill="#f8f9fa" stroke="#343a40" stroke-width="2" fill-opacity="1.0" /> <rect x="39.42" y="43.42" width="20.16" height="20.16" rx="0" ry="0" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> <rect x="41.42" y="4.42" width="20.16" height="20.16" rx="0" ry="0" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> <rect x="4.42" y="8.42" width="20.16" height="20.16" rx="0" ry="0" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> </svg>`

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**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 / sequence]**

Which of the options completes the sequence shown in the diagram?

**A:** <svg width="70" height="70" viewBox="0 0 70 70" xmlns="http://www.w3.org/2000/svg" style="background-color:#f8f9fa;border:1px solid #ced4da;"> <rect x="0" y="0" width="70" height="70" rx="4" ry="0" fill="#f8f9fa" stroke="#343a40" stroke-width="2" fill-opacity="1.0" /> <polygon points="51.5,42.16 61.32044,59.17 41.67956,59.17" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="18.5,29.84 28.320439999999998,12.83 8.67956,12.83" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="51.5,29.84 61.32044,12.83 41.67956,12.83" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="16.5,42.16 26.320439999999998,59.17 6.67956,59.17" fill="#888888" stroke="#000000" stroke-width="2" /> </svg>

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**Question 17 — [Situational Judgement / importance]**

Scenario: A junior doctor, Isabella, at General Infirmary is deciding whether to escalate a deteriorating 92-year-old patient in the cardiology ward to the registrar on call on Thursday morning. How important is the following factor to consider? Factor: Whether the registrar will be annoyed or irritated by the call.

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

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

Scenario: A junior doctor, Mia, notices that a senior registrar at Community Health has been prescribing lisinopril at an unusually high dose to multiple patients in the hematology department on Tuesday morning. 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 19 — [Situational Judgement / importance]**

Scenario: A junior doctor, Lucy, at Methodist Hospital is deciding whether to escalate a deteriorating 68-year-old patient in the emergency ward to the registrar on call on Friday night. How important is the following factor to consider? Factor: Whether the registrar will be annoyed or irritated by the call.

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

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

Scenario: A busy junior doctor, Mia, at Hope Hospital is asked by a nurse to prescribe aspirin for a 70-year-old patient in the hematology ward she has not yet met or reviewed. She has been on shift for 5 hours. How appropriate is the following action? Action: The doctor writes the prescription over the phone without reviewing the patient's chart or history.

- 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;=223>

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.