



Applaa UCAT Practice Mock 17

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=17> 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 2017, research conducted by researchers led by Prof. Alan Turing at the Molecular Biology Unit investigated the properties of Germanene. Initial experimental setups achieved an energy conversion efficiency of 29 percent. By refining the chemical vapor deposition process and reducing crystalline defects, the team successfully boosted the efficiency of Germanene to 48 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 Molecular Biology Unit 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: During the mid-nineteenth and early twentieth centuries, global trade networks reshaped national economies. In 1895, the annual production of tin in Mexico stood at approximately 22 million metric tons. Following key infrastructure improvements and trade agreements with Spain, production in Mexico surged to 68 million metric tons by 1913. During this same period, Ireland emerged as the primary global importer of tin, consuming over sixty percent of the total global export supply, although its domestic production remained minimal. Statement: The annual production of tin in Mexico was higher in 1913 than it was in 1895.

- 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 1888, the annual production of iron ore in Egypt stood at approximately 64 million metric tons. Following key infrastructure improvements and trade agreements with South Africa, production in Egypt surged to 110 million metric tons by 1928. During this same period, Thailand 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: Thailand signed an official trade treaty with Egypt to secure its import of iron ore.

- 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: Public health campaigns in Sweden during the late twentieth century made significant progress in combating infectious diseases. In 1977, the incidence rate of Yellow Fever was recorded at 275 cases per 100,000 people. Following a nationwide distribution of protective nets and sanitation improvements, the rate fell to 188 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 Yellow Fever per 100,000 people in Sweden decreased after the public health campaign.

- 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: 71
- B: 61
- C: 81
- 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 EXACTLY one club/group?

- A: 68
- B: 88
- C: 78
- D: 80

Question 9 — [Quantitative Reasoning / chart_interpretation]

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

- A: \$210k
- B: \$200k
- C: \$230k
- D: \$220k
- E: \$190k

Question 10 — [Quantitative Reasoning / table_interpretation]

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

- A: 24.5%
- B: 1.3%
- C: 18.6%
- D: 9.5%
- E: 4.5%

Question 11 — [Quantitative Reasoning / table_interpretation]

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

- A: 32.3%
- B: 28.0%
- C: 35.5%
- D: 40.5%
- E: 45.9%

Question 12 — [Quantitative Reasoning / chart_interpretation]

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

- A: \$250k
- B: \$290k
- C: \$260k
- D: \$270k
- E: \$280k

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 / sequence]

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

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E: <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" /> <circle cx="15.5" cy="54.5" r="10.08" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> <circle cx="18.5" cy="17.5" r="10.08" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> <circle cx="55.5" cy="18.5" r="10.08" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> <circle cx="52.5" cy="55.5" r="10.08" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> </svg>

Question 17 — [Situational Judgement / importance]

Scenario: A doctor, Mia, in the emergency clinic at Memorial Hospital is treating a 16-year-old patient who presents with physical injuries during a late-night shift. The teenager, who is accompanied by a relative, begs the doctor not to tell anyone. How important is the following factor to consider? Factor: The child protection and safeguarding duties of the medical team.

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

Question 18 — [Situational Judgement / appropriateness]

Scenario: During a shift on a busy Saturday shift at Southside Medical, a medical student, Mia, witnesses a healthcare assistant roughly handling a confused 61-year-old elderly patient in the neurology ward, which has been open for 10 months. How appropriate is the following action? Action: The medical student intervenes immediately to protect the patient and reports the behavior to the nurse 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 / appropriateness]

Scenario: During a shift on Wednesday evening at Northside Clinic, a medical student, Olivia, witnesses a healthcare assistant roughly handling a confused 72-year-old elderly patient in the general surgery ward, which has been open for 9 months. How appropriate is the following action? Action: The medical student intervenes immediately to protect the patient and reports the behavior to the nurse 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 20 — [Situational Judgement / importance]

Scenario: A medical student, Ruby, at Royal Hospital is deciding whether to report a classmate, James, who was seen copying answers during a formative urology test worth 25 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;=17>

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.