



Applaa UCAT Practice Mock 77

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;=77> 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: During the mid-nineteenth and early twentieth centuries, global trade networks reshaped national economies. In 1864, the annual production of tea in Austria stood at approximately 31 million metric tons. Following key infrastructure improvements and trade agreements with Colombia, production in Austria surged to 57 million metric tons by 1896. During this same period, Portugal 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: Colombia produced more tea than Austria did between 1864 and 1896.

- 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 2016, research conducted by researchers led by Prof. Dorothy Hodgkin at the Quantum Computing Lab investigated the properties of Carbon-Nanotubes. Initial experimental setups achieved an energy conversion efficiency of 28 percent. By refining the chemical vapor deposition process and reducing crystalline defects, the team successfully boosted the efficiency of Carbon-Nanotubes 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: Carbon-Nanotubes became commercially viable immediately following the trials led by Prof. Dorothy Hodgkin.

- 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 Turkey during the late twentieth century made significant progress in combating infectious diseases. In 2014, the incidence rate of Tuberculosis was recorded at 195 cases per 100,000 people. Following a nationwide distribution of protective nets and sanitation improvements, the rate fell to 112 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: Rising temperatures caused the incidence rate of Tuberculosis to increase during the 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 1948, the annual production of gold in France stood at approximately 32 million metric tons. Following key infrastructure improvements and trade agreements with Romania, production in France surged to 74 million metric tons by 1966. During this same period, Peru 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: Romania produced more gold than France did between 1948 and 1966.

- 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 / 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 AT LEAST two clubs/groups?

- A: 37
- B: 32
- C: 35
- D: 45

Question 9 — [Quantitative Reasoning / table_interpretation]

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

- A: 8.1%
- B: 3.1%
- C: 17.2%
- D: -4.4%
- E: -0.1%

Question 10 — [Quantitative Reasoning / chart_interpretation]

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

- A: \$150k
- B: \$130k
- C: \$170k
- D: \$180k
- E: \$160k

Question 11 — [Quantitative Reasoning / chart_interpretation]

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

- A: 1:3
- B: 4:1
- C: 5:4
- D: 2:3
- E: 1:1

Question 12 — [Quantitative Reasoning / table_interpretation]

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

- A: \$217.1k
- B: \$212.8k
- C: \$225.3k
- D: \$240.3k
- E: \$230.7k

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 / set_ab]

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

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

Question 15 — [Abstract Reasoning / sequence]

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

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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 medical student, Sophie, shadowing a consultant in endocrinology at St. John's Clinic hears them make a culturally insensitive comment to a colleague in private on a busy Saturday shift. How appropriate is the following action? Action: The student does not say anything at the time, but later discusses the event confidentially with a faculty advisor.

- 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 / importance]

Scenario: A doctor, Ruby, in the urology clinic at County Hospital is treating a 16-year-old patient who presents with physical injuries during the Monday morning rounds. 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 19 — [Situational Judgement / importance]

Scenario: A junior doctor, Ruby, at Southside Medical is deciding whether to escalate a deteriorating 72-year-old patient in the hematology 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 20 — [Situational Judgement / appropriateness]

Scenario: A medical student, Sophia, shadowing a consultant in psychiatry at Community Health hears them make a culturally insensitive comment to a colleague in private on a busy Saturday shift. How appropriate is the following action? Action: The student does not say anything at the time, but later discusses the event confidentially with a faculty advisor.

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

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■ Section Complete!

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

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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.