



Applaa UCAT Practice Mock 76

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;=76> 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 2024, research conducted by researchers led by Prof. Richard Feynman at the Materials Science Lab investigated the properties of Germanene. Initial experimental setups achieved an energy conversion efficiency of 22 percent. By refining the chemical vapor deposition process and reducing crystalline defects, the team successfully boosted the efficiency of Germanene to 44 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 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: Public health campaigns in United Kingdom during the late twentieth century made significant progress in combating infectious diseases. In 1996, the incidence rate of Yellow Fever was recorded at 241 cases per 100,000 people. Following a nationwide distribution of protective nets and sanitation improvements, the rate fell to 179 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 United Kingdom decreased after the public health campaign.

- 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 1886, the annual production of coffee in Ireland stood at approximately 76 million metric tons. Following key infrastructure improvements and trade agreements with Venezuela, production in Ireland surged to 116 million metric tons by 1914. During this same period, Hungary emerged as the primary global importer of coffee, consuming over sixty percent of the total global export supply, although its domestic production remained minimal. Statement: The annual production of coffee in Ireland was higher in 1914 than it was in 1886.

- 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 1834, the annual production of tin in India stood at approximately 49 million metric tons. Following key infrastructure improvements and trade agreements with Spain, production in India surged to 79 million metric tons by 1851. During this same period, United Kingdom 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: United Kingdom signed an official trade treaty with India to secure its import of tin.

- 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 / venn_deduction]

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

- A: 21
- B: 13
- C: 3
- D: 8

Question 8 — [Decision Making / venn_deduction]

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

- A: 39
- B: 31
- C: 28
- D: 41

Question 9 — [Quantitative Reasoning / chart_interpretation]

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

- A: 4:3
- B: 3:4
- C: 1:2
- D: 2:3
- E: 14:11

Question 10 — [Quantitative Reasoning / chart_interpretation]

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

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

Question 11 — [Quantitative Reasoning / table_interpretation]

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

- A: 8.4%
- B: -2.0%
- C: 18.0%
- D: -9.5%
- E: 3.0%

Question 12 — [Quantitative Reasoning / table_interpretation]

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

- A: 42.2%
- B: 45.9%
- C: 24.3%
- D: 36.8%
- E: 31.8%

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 / sequence]

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

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B: `<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="10.42" y="41.42" width="20.16" height="20.16" rx="0" ry="0" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> <rect x="40.42" y="5.42" width="20.16" height="20.16" rx="0" ry="0" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> <rect x="44.42" y="39.42" width="20.16" height="20.16" rx="0" ry="0" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> <rect x="10.42" y="4.42" width="20.16" height="20.16" rx="0" ry="0" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> </svg>`

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D: `<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="44.42" 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="7.42" 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="5.42" y="10.42" width="20.16" height="20.16" rx="0" ry="0" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> <rect x="44.42" y="9.42" width="20.16" height="20.16" rx="0" ry="0" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> </svg>`

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" /> <rect x="43.42" y="8.42" width="20.16" height="20.16" rx="0" ry="0" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> <rect x="7.42" y="5.42" width="20.16" height="20.16" rx="0" ry="0" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> <rect x="5.42" y="45.42" width="20.16" height="20.16" rx="0" ry="0" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> </svg>`

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 / 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 / importance]

Scenario: An elderly 70-year-old patient at Royal Hospital on Wednesday evening tells a medical student, Ella, that she lives alone and has no heating. The registrar, who has worked there for 3 years, tells the student to ignore this and focus only on the medical form. How important is the following factor to consider? Factor: The patient's domestic living conditions and safety at home.

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

Question 18 — [Situational Judgement / importance]

Scenario: A medical student, Alice, at County Hospital is deciding whether to raise a complaint about a consultant in neurology who is consistently 22 minutes late to teaching sessions. How important is the following factor to consider? Factor: How popular the consultant is among the rest of the student cohort.

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

Question 19 — [Situational Judgement / appropriateness]

Scenario: A junior doctor, Charlotte, notices that a senior registrar at Parkview Hospital has been prescribing amoxicillin at an unusually high dose to multiple patients in the urology department on a busy Saturday shift. 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 20 — [Situational Judgement / appropriateness]

Scenario: A junior doctor, Emma, at St. Mary's Hospital is running late on Friday night. A 74-year-old patient arrives 20 minutes late for their appointment on a ward with 35 beds, and the receptionist asks how to proceed. How appropriate is the following action? Action: The doctor asks the receptionist to reschedule the patient for the next available clinic day.

- 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!

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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.