



Applaa UCAT Practice Mock 126

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;=126> 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 Kenya during the late twentieth century made significant progress in combating infectious diseases. In 1985, the incidence rate of Tuberculosis was recorded at 283 cases per 100,000 people. Following a nationwide distribution of protective nets and sanitation improvements, the rate fell to 213 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 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 Peru during the late twentieth century made significant progress in combating infectious diseases. In 2010, the incidence rate of Dengue Fever was recorded at 210 cases per 100,000 people. Following a nationwide distribution of protective nets and sanitation improvements, the rate fell to 114 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 Peru over ten million dollars.

- 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 1916, the annual production of cotton in France stood at approximately 27 million metric tons. Following key infrastructure improvements and trade agreements with Peru, production in France surged to 83 million metric tons by 1935. During this same period, Venezuela emerged as the primary global importer of cotton, consuming over sixty percent of the total global export supply, although its domestic production remained minimal. Statement: The annual production of cotton in France was higher in 1935 than it was in 1916.

- 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 2016, research conducted by researchers led by Dr. Barbara McClintock at the Molecular Biology Unit investigated the properties of Helium-3. 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 Helium-3 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 team led by Dr. Barbara McClintock managed to increase the energy conversion efficiency of Helium-3.

- 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 / venn_deduction]

Based on the Venn diagram, how many members belong to both Dog Owners and Bird Owners?

- A: 12
- B: 17
- C: 2
- D: 22

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: 1
- C: 11
- D: 13

Question 8 — [Decision Making / venn_deduction]

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

- A: 67
- B: 65
- C: 62
- D: 57

Question 9 — [Quantitative Reasoning / chart_interpretation]

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

- A: \$230k
- B: \$210k
- C: \$250k
- D: \$220k
- E: \$240k

Question 10 — [Quantitative Reasoning / chart_interpretation]

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

- A: 1:3
- B: 5:2
- C: 3:1
- D: 1:1
- E: 9:14

Question 11 — [Quantitative Reasoning / table_interpretation]

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

- A: 16.2%
- B: 8.7%
- C: 30.3%
- D: 36.2%
- E: 21.2%

Question 12 — [Quantitative Reasoning / chart_interpretation]

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

- A: \$140k
- B: \$150k
- C: \$130k
- D: \$160k
- E: \$180k

Question 13 — [Abstract Reasoning / sequence]

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

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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" /> <polygon points="17.5,3.16 27.320439999999998,20.17 7.67956,20.17" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="14.5,63.84 24.320439999999998,46.83 4.67956,46.83" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="53.5,39.16 63.32044,56.17 43.67956,56.17" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="52.5,4.16 62.32044,21.17 42.67956,21.17" fill="#888888" stroke="#000000" stroke-width="2" /> </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 / 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 junior doctor, Mia, at East Valley Hospital is deciding whether to escalate a deteriorating 65-year-old patient in the endocrinology ward to the registrar on call on Sunday 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 18 — [Situational Judgement / importance]

Scenario: A GP, Hannah, in psychiatry at St. Anthony's is deciding whether to refer an anxious 57-year-old patient for an MRI scan for back pain, which is not clinically indicated. The patient has been experiencing symptoms for 8 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 19 — [Situational Judgement / appropriateness]

Scenario: A medical student, Sophia, shadowing a consultant in emergency at Grace Medical Center 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 20 — [Situational Judgement / importance]

Scenario: A medical student, Sophie, at Methodist Hospital is deciding whether to report a classmate, Kevin, who was seen copying answers during a formative pediatrics test worth 11 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

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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.