



Applaa UCAT Practice Mock 150

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;=150> 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 1920, the annual production of timber in France stood at approximately 44 million metric tons. Following key infrastructure improvements and trade agreements with Japan, production in France surged to 84 million metric tons by 1938. During this same period, Sweden emerged as the primary global importer of timber, consuming over sixty percent of the total global export supply, although its domestic production remained minimal. Statement: Japan produced more timber than France did between 1920 and 1938.

- 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 1844, the annual production of rubber in South Korea stood at approximately 57 million metric tons. Following key infrastructure improvements and trade agreements with Saudi Arabia, production in South Korea surged to 95 million metric tons by 1868. During this same period, Spain 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: Saudi Arabia produced more rubber than South Korea did between 1844 and 1868.

- 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 Belgium during the late twentieth century made significant progress in combating infectious diseases. In 1977, the incidence rate of Tuberculosis was recorded at 268 cases per 100,000 people. Following a nationwide distribution of protective nets and sanitation improvements, the rate fell to 191 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 Belgium 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: In 2014, research conducted by researchers led by Dr. Rosalind Franklin at the Genetic Engineering Center investigated the properties of Silicene. Initial experimental setups achieved an energy conversion efficiency of 18 percent. By refining the chemical vapor deposition process and reducing crystalline defects, the team successfully boosted the efficiency of Silicene to 36 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: Silicene became commercially viable immediately following the trials led by Dr. Rosalind Franklin.

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

Question 5 — [Decision Making / venn_deduction]

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

- A: 10
- B: 15
- C: 17
- D: 23

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 / 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 Delta over the three-year period (in thousands)?

- A: \$188.1k
- B: \$170.8k
- C: \$179.0k
- D: \$194.0k
- E: \$166.5k

Question 10 — [Quantitative Reasoning / table_interpretation]

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

- A: 48.1%
- B: 42.7%
- C: 34.5%
- D: 57.7%
- E: 51.8%

Question 11 — [Quantitative Reasoning / table_interpretation]

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

- A: 3.5%
- B: -10.1%
- C: -1.9%
- D: -14.4%
- E: -6.9%

Question 12 — [Quantitative Reasoning / chart_interpretation]

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

- A: \$200k
- B: \$150k
- C: \$190k
- D: \$180k
- E: \$170k

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;"> <g><line x1="30.0" y1="35" x2="60" y2="35" stroke="#000000" stroke-width="2" /><polygon points="10,35 30.0,25.0 30.0,45.0" fill="#000000" stroke="#000000" stroke-width="1" /></g> </svg>`

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;"> <g><line x1="35" y1="40.0" x2="35" y2="10" stroke="#000000" stroke-width="2" /><polygon points="35,60 45.0,40.0 25.0,40.0" fill="#000000" stroke="#000000" stroke-width="1" /></g> </svg>`

C: `<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;"> <g><line x1="35" y1="30.0" x2="35" y2="60" stroke="#000000" stroke-width="2" /><polygon points="35,10 45.0,30.0 25.0,30.0" fill="#000000" stroke="#000000" stroke-width="1" /></g> </svg>`

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;"> <g><line x1="40.0" y1="35" x2="10" y2="35" stroke="#000000" stroke-width="2" /><polygon points="60,35 40.0,25.0 40.0,45.0" fill="#000000" stroke="#000000" stroke-width="1" /></g> </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;"> <g><line x1="30.0" y1="35" x2="60" y2="35" stroke="#000000" stroke-width="2" /><polygon points="10,35 30.0,25.0 30.0,45.0" fill="#000000" stroke="#000000" stroke-width="1" /></g> </svg>`

Question 15 — [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 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, Sophia, is assigned to work with Daniel on a cardiology research project at Saint Luke's. Daniel has not attended meetings or responded to group emails. The project is due in 18 days. How appropriate is the following action? Action: The student sends Daniel a polite message asking him to contribute by tomorrow, copying in the project supervisor.

- 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 / appropriateness]

Scenario: A medical student, Lily, is assigned to work with Matthew on a cardiology research project at Memorial Hospital. Matthew has not attended meetings or responded to group emails. The project is due in 21 days. How appropriate is the following action? Action: The student sends Matthew a polite message asking him to contribute by tomorrow, copying in the project supervisor.

- 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: A junior doctor, Grace, notices that a senior registrar at St. Mary's Hospital has been prescribing codeine at an unusually high dose to multiple patients in the general surgery 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: During a urology ward round during the Monday morning rounds at Mercy Medical Center, a consultant asks a medical student, Hannah, a clinical question. The student, who has been shadowing for 9 weeks, does not know the answer. How appropriate is the following action? Action: The student invents a plausible-sounding answer hoping the consultant will not notice.

- 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;=150>

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.