



Applaa UCAT Practice Mock 194

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;=194> 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 1947, the annual production of oil in Thailand stood at approximately 67 million metric tons. Following key infrastructure improvements and trade agreements with Ecuador, production in Thailand surged to 125 million metric tons by 1979. During this same period, Peru emerged as the primary global importer of oil, consuming over sixty percent of the total global export supply, although its domestic production remained minimal. Statement: The annual production of oil in Thailand was higher in 1979 than it was in 1947.

- 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 2025, research conducted by researchers led by Dr. Aris Thorne at the Astrophysics Division investigated the properties of Phosphorene. 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 Phosphorene to 52 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 Astrophysics Division was funded by a government scientific grant.

- 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: In 2023, research conducted by researchers led by Dr. Aris Thorne at the Quantum Computing Lab investigated the properties of Borophene. 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 Borophene to 40 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. Aris Thorne managed to increase the energy conversion efficiency of Borophene.

- 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 2023, research conducted by researchers led by Dr. Barbara McClintock at the Genetic Engineering Center investigated the properties of Carbyne. 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 Carbyne to 37 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 Carbyne.

- 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 Tennis and Swimming but NOT Athletics?

- A: 17
- B: 2
- C: 9
- D: 7

Question 7 — [Decision Making / venn_deduction]

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

- A: 28
- B: 36
- C: 41
- D: 31

Question 8 — [Decision Making / venn_deduction]

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

- A: 7
- B: 10
- C: 20
- D: 12

Question 9 — [Quantitative Reasoning / table_interpretation]

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

- A: \$171.4k
- B: \$149.8k
- C: \$162.3k
- D: \$157.3k
- E: \$154.1k

Question 10 — [Quantitative Reasoning / chart_interpretation]

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

- A: 5:2
- B: 13:5
- C: 3:2
- D: 1:2
- E: 2:3

Question 11 — [Quantitative Reasoning / chart_interpretation]

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

- A: 4:1
- B: 14:11
- C: 1:4
- D: 3:4
- E: 5:2

Question 12 — [Quantitative Reasoning / chart_interpretation]

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

- A: 3:5
- B: 3:2
- C: 3:4
- D: 11:13
- E: 2:5

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 / 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 / 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, Ella, shadowing a consultant in psychiatry at Saint Luke's hears them make a culturally insensitive comment to a colleague in private during a late-night 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 / appropriateness]

Scenario: A medical student, Sarah, on a neurology placement at Memorial Hospital is told by a 83-year-old patient in confidence on a Thursday afternoon that they plan to physically harm their partner later that day. How appropriate is the following action? Action: The student promises to keep this completely confidential to maintain the patient's trust.

- 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 / importance]

Scenario: A junior doctor, Sarah, in general surgery at Hope Hospital is considering whether to stay past her shift on Tuesday morning to finish routine paperwork. She has already worked 4 hours. How important is the following factor to consider? Factor: The doctor's current level of fatigue and its potential impact on accuracy.

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

Question 20 — [Situational Judgement / importance]

Scenario: A medical student, Isabella, at St. Jude's Hospital is deciding whether to report a classmate, Gary, who was seen copying answers during a formative neurology test worth 29 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;=194>

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.