



Applaa UCAT Practice Mock 64

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;=64> 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 United Kingdom during the late twentieth century made significant progress in combating infectious diseases. In 1996, the incidence rate of Cholera was recorded at 157 cases per 100,000 people. Following a nationwide distribution of protective nets and sanitation improvements, the rate fell to 66 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 United Kingdom over ten million dollars.

- 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 2020, research conducted by researchers led by Prof. Dorothy Hodgkin at the Molecular Biology Unit investigated the properties of Gallium-Nitride. Initial experimental setups achieved an energy conversion efficiency of 21 percent. By refining the chemical vapor deposition process and reducing crystalline defects, the team successfully boosted the efficiency of Gallium-Nitride to 33 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 Molecular Biology Unit 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: During the mid-nineteenth and early twentieth centuries, global trade networks reshaped national economies. In 1831, the annual production of cobalt in Morocco stood at approximately 57 million metric tons. Following key infrastructure improvements and trade agreements with Singapore, production in Morocco surged to 111 million metric tons by 1870. During this same period, South Korea emerged as the primary global importer of cobalt, consuming over sixty percent of the total global export supply, although its domestic production remained minimal. Statement: The annual production of cobalt in Morocco was higher in 1870 than it was in 1831.

- 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 2022, research conducted by researchers led by Prof. Alan Turing at the Materials Science Lab investigated the properties of Perovskite. 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 Perovskite to 35 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: Perovskite became commercially viable immediately following the trials led by Prof. Alan Turing.

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

Question 5 — [Decision Making / venn_deduction]

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

- A: 19
- B: 13
- C: 21
- D: 11

Question 6 — [Decision Making / venn_deduction]

Based on the Venn diagram, how many members belong to Tennis and Swimming but NOT Athletics?

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

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 / chart_interpretation]

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

- A: \$240k
- B: \$220k
- C: \$260k
- D: \$230k
- E: \$250k

Question 10 — [Quantitative Reasoning / chart_interpretation]

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

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

Question 11 — [Quantitative Reasoning / table_interpretation]

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

- A: \$212.1k
- B: \$229.4k
- C: \$235.3k
- D: \$220.3k
- E: \$225.7k

Question 12 — [Quantitative Reasoning / chart_interpretation]

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

- A: 1:4
- B: 3:1
- C: 1:2
- D: 11:8
- E: 1:3

Question 13 — [Abstract Reasoning / sequence]

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

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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 / 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 medical student, Alice, at St. Vincent's is deciding whether to raise a complaint about a consultant in oncology who is consistently 12 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 18 — [Situational Judgement / appropriateness]

Scenario: A medical student, Ruby, at East Valley Hospital finds a public social media page run by a peer that posts mocking descriptions of patients from their endocrinology placement, which has 10 active beds. How appropriate is the following action? Action: The student likes the posts and shares them in a private group chat with other students.

- 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 Parkview Hospital has been prescribing paracetamol at an unusually high dose to multiple patients in the psychiatry department on a Thursday afternoon. 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 / importance]

Scenario: A junior doctor, Mia, in general surgery at St. Mary's Hospital is considering whether to stay past her shift during a late-night shift to finish routine paperwork. She has already worked 8 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

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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.