



Applaa UCAT Practice Mock 120

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;=120> 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 Romania during the late twentieth century made significant progress in combating infectious diseases. In 1989, the incidence rate of Malaria was recorded at 300 cases per 100,000 people. Following a nationwide distribution of protective nets and sanitation improvements, the rate fell to 240 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 Romania 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 2010, research conducted by researchers led by Dr. Marcus Vance at the Astrophysics Division investigated the properties of Germanene. Initial experimental setups achieved an energy conversion efficiency of 24 percent. By refining the chemical vapor deposition process and reducing crystalline defects, the team successfully boosted the efficiency of Germanene to 42 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: Germanene became commercially viable immediately following the trials led by Dr. Marcus Vance.

- 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 2026, research conducted by researchers led by Prof. Dorothy Hodgkin at the Renewable Energy Research investigated the properties of Germanene. Initial experimental setups achieved an energy conversion efficiency of 19 percent. By refining the chemical vapor deposition process and reducing crystalline defects, the team successfully boosted the efficiency of Germanene to 43 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 Renewable Energy Research was funded by a government scientific grant.

- 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 2026, research conducted by researchers led by Dr. Barbara McClintock at the Genetic Engineering Center investigated the properties of Carbon-Nanotubes. 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 Carbon-Nanotubes 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 Genetic Engineering Center was funded by a government scientific grant.

- 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: 14
- B: 4
- C: 16
- D: 9

Question 6 — [Decision Making / venn_deduction]

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

- A: 93
- B: 88
- C: 96
- D: 85

Question 7 — [Decision Making / venn_deduction]

Based on the Venn diagram, how many members belong to both Tennis and Athletics?

- A: 26
- B: 11
- C: 16
- D: 13

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 D and Dept C (in thousands)?

- A: \$100k
- B: \$120k
- C: \$110k
- D: \$130k
- E: \$140k

Question 10 — [Quantitative Reasoning / chart_interpretation]

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

- A: \$140k
- B: \$110k
- C: \$120k
- D: \$130k
- E: \$90k

Question 11 — [Quantitative Reasoning / chart_interpretation]

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

- A: \$250k
- B: \$220k
- C: \$200k
- D: \$210k
- E: \$230k

Question 12 — [Quantitative Reasoning / chart_interpretation]

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

- A: 1:4
- B: 3:1
- C: 13:14
- D: 3:5
- E: 3:4

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 / 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 / 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, Megan, at General Infirmary is deciding whether to speak up during a consultation in hematology on Thursday morning when they notice a mistake in the treatment plan for a 91-year-old patient. How important is the following factor to consider? Factor: The gender of the patient being treated.

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

Question 18 — [Situational Judgement / appropriateness]

Scenario: A junior doctor, Sophia, at Southside Medical discovers that her close colleague, James, who has worked there for 3 months, has been falsifying overnight patient observation logs in pediatrics. How appropriate is the following action? Action: The doctor decides not to report it to protect her colleague's medical career.

- 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 doctor, Alice, in the dermatology clinic at St. Vincent's is treating a 16-year-old patient who presents with physical injuries on Thursday morning. The teenager, who is accompanied by a relative, begs the doctor not to tell anyone. How important is the following factor to consider? Factor: The child protection and safeguarding duties of the medical team.

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

Question 20 — [Situational Judgement / importance]

Scenario: An elderly 74-year-old patient at St. Anthony's during a late-night shift tells a medical student, Sophie, that she lives alone and has no heating. The registrar, who has worked there for 12 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

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=ucate&paper;=120>

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.