



Applaa UCAT Practice Mock 217

Mock Practice Exam Booklet

Applaa: Socratic Practice Engine

Submit and grade your answers online for instant worked solutions:

<https://applaa.com/practice/check?exam=ucat&paper=217>

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;=217> 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.

■ SUPERCHARGE YOUR STUDIES WITH APPLAA DESKTOP APP

Tired of printing PDFs and manual grading? Download the **Applaa Desktop Application**. It includes interactive exam mocks, real-time pacing stats, auto-grading, and personalized Socratic AI support. Get a **14-day free trial** of our premium preparation package to track your progress rate.

Download: <https://applaa.com/download>

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: In 2024, research conducted by researchers led by Prof. Dorothy Hodgkin at the Renewable Energy Research investigated the properties of Helium-3. Initial experimental setups achieved an energy conversion efficiency of 15 percent. By refining the chemical vapor deposition process and reducing crystalline defects, the team successfully boosted the efficiency of Helium-3 to 31 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 Prof. Dorothy Hodgkin managed to increase the energy conversion efficiency of Helium-3.

- 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 1823, the annual production of gold in Hungary stood at approximately 58 million metric tons. Following key infrastructure improvements and trade agreements with Australia, production in Hungary surged to 79 million metric tons by 1859. During this same period, Germany emerged as the primary global importer of gold, consuming over sixty percent of the total global export supply, although its domestic production remained minimal. Statement: Australia produced more gold than Hungary did between 1823 and 1859.

- 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 1949, the annual production of cotton in Philippines stood at approximately 45 million metric tons. Following key infrastructure improvements and trade agreements with Sweden, production in Philippines surged to 61 million metric tons by 1967. During this same period, Norway 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: Norway signed an official trade treaty with Philippines to secure its import of cotton.

- 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. Marcus Vance at the Molecular Biology Unit investigated the properties of Germanene. Initial experimental setups achieved an energy conversion efficiency of 15 percent. By refining the chemical vapor deposition process and reducing crystalline defects, the team successfully boosted the efficiency of Germanene to 28 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. Marcus Vance managed to increase the energy conversion efficiency of Germanene.

- 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 EXACTLY one club/group?

- A: 76
- B: 73
- C: 78
- D: 71

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

- A: 5:2
- B: 1:1
- C: 3:2
- D: 5:3
- E: 5:6

Question 10 — [Quantitative Reasoning / table_interpretation]

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

- A: -13.1%
- B: -25.6%
- C: -18.1%
- D: -7.7%
- E: -4.0%

Question 11 — [Quantitative Reasoning / table_interpretation]

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

- A: -6.9%
- B: 16.3%
- C: 10.4%
- D: 1.3%
- E: -3.7%

Question 12 — [Quantitative Reasoning / chart_interpretation]

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

- A: \$210k
- B: \$200k
- C: \$250k
- D: \$220k
- E: \$240k

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 / 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 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: An elderly 83-year-old patient at St. Vincent's on Tuesday morning tells a medical student, Ruby, that she lives alone and has no heating. The registrar, who has worked there for 2 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

Question 18 — [Situational Judgement / appropriateness]

Scenario: A medical student, Emma, is assigned to work with Mark on a psychiatry research project at St. Jude's Hospital. Mark has not attended meetings or responded to group emails. The project is due in 13 days. How appropriate is the following action? Action: The student sends Mark 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, Lily, at Parkview Hospital is running late on Thursday morning. A 56-year-old patient arrives 20 minutes late for their appointment on a ward with 18 beds, and the receptionist asks how to proceed. How appropriate is the following action? Action: The doctor asks the receptionist to reschedule the patient for the next available clinic day.

- 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: An elderly 67-year-old patient at St. Jude's Hospital during the Wednesday day-shift tells a medical student, Sophia, that she lives alone and has no heating. The registrar, who has worked there for 9 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=ucat&paper;=217>

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.