



# Applaa UCAT Practice Mock 13

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=13> 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 1950, the annual production of oil in Norway stood at approximately 16 million metric tons. Following key infrastructure improvements and trade agreements with South Africa, production in Norway surged to 74 million metric tons by 1985. During this same period, Egypt 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 Norway was higher in 1985 than it was in 1950.

- 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 2017, research conducted by researchers led by Prof. Alan Turing at the Molecular Biology Unit investigated the properties of Borophene. Initial experimental setups achieved an energy conversion efficiency of 30 percent. By refining the chemical vapor deposition process and reducing crystalline defects, the team successfully boosted the efficiency of Borophene to 54 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: Borophene became commercially viable immediately following the trials led by Prof. Alan Turing.

- 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 1879, the annual production of silk in Turkey stood at approximately 80 million metric tons. Following key infrastructure improvements and trade agreements with Austria, production in Turkey surged to 111 million metric tons by 1915. During this same period, Germany emerged as the primary global importer of silk, consuming over sixty percent of the total global export supply, although its domestic production remained minimal. Statement: Austria produced more silk than Turkey did between 1879 and 1915.

- 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 2025, research conducted by researchers led by Dr. Aris Thorne at the Genetic Engineering Center investigated the properties of Germanene. Initial experimental setups achieved an energy conversion efficiency of 26 percent. By refining the chemical vapor deposition process and reducing crystalline defects, the team successfully boosted the efficiency of Germanene 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 team led by Dr. Aris Thorne 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: 86
- B: 73
- C: 84
- D: 76

**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 / venn\_deduction]**

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

- A: 24
- B: 29
- C: 17
- D: 27

**Question 9 — [Quantitative Reasoning / table\_interpretation]**

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

- A: 22.0%
- B: 9.5%
- C: 31.1%
- D: 17.0%
- E: 37.0%

**Question 10 — [Quantitative Reasoning / chart\_interpretation]**

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

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

**Question 11 — [Quantitative Reasoning / table\_interpretation]**

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

- A: \$201.0k
- B: \$221.0k
- C: \$211.4k
- D: \$206.0k
- E: \$215.1k

**Question 12 — [Quantitative Reasoning / chart\_interpretation]**

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

- A: 3:2
- B: 15:4
- C: 4:1
- D: 2:3
- E: 1:2

**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 / 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 / appropriateness]**

Scenario: During a shift on Thursday morning at Methodist Hospital, a medical student, Hannah, witnesses a healthcare assistant roughly handling a confused 57-year-old elderly patient in the psychiatry ward, which has been open for 2 months. How appropriate is the following action? Action: The medical student intervenes immediately to protect the patient and reports the behavior to the nurse in charge.

- 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 / importance]**

Scenario: A junior doctor, Amelia, in emergency at Valley View is considering whether to stay past her shift during a late-night shift to finish routine paperwork. She has already worked 7 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 19 — [Situational Judgement / appropriateness]**

Scenario: A busy junior doctor, Ruby, at Royal Hospital is asked by a nurse to prescribe ibuprofen for a 90-year-old patient in the emergency ward she has not yet met or reviewed. She has been on shift for 8 hours. How appropriate is the following action? Action: The doctor writes the prescription over the phone without reviewing the patient's chart or history.

- 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 psychiatry ward round on Tuesday morning at Hope Hospital, a consultant asks a medical student, Emily, a clinical question. The student, who has been shadowing for 4 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;=13>

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.