



# Applaa UCAT Practice Mock 93

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;=93> 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: In 2011, research conducted by researchers led by Prof. Alan Turing at the Genetic Engineering Center investigated the properties of Aerogel. 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 Aerogel 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 team led by Prof. Alan Turing managed to increase the energy conversion efficiency of Aerogel.

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 1891, the annual production of rubber in Philippines stood at approximately 20 million metric tons. Following key infrastructure improvements and trade agreements with Kenya, production in Philippines surged to 53 million metric tons by 1922. During this same period, Malaysia emerged as the primary global importer of rubber, consuming over sixty percent of the total global export supply, although its domestic production remained minimal. Statement: Malaysia signed an official trade treaty with Philippines to secure its import of rubber.

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 2013, research conducted by researchers led by Dr. Barbara McClintock at the Materials Science Lab investigated the properties of Gallium-Nitride. Initial experimental setups achieved an energy conversion efficiency of 22 percent. By refining the chemical vapor deposition process and reducing crystalline defects, the team successfully boosted the efficiency of Gallium-Nitride to 39 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 Gallium-Nitride.

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: During the mid-nineteenth and early twentieth centuries, global trade networks reshaped national economies. In 1843, the annual production of silk in Nigeria stood at approximately 36 million metric tons. Following key infrastructure improvements and trade agreements with Venezuela, production in Nigeria surged to 96 million metric tons by 1869. During this same period, Peru 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: Venezuela produced more silk than Nigeria did between 1843 and 1869.

- 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 / 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 7 — [Decision Making / venn\_deduction]**

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

- A: 5
- B: 25
- C: 15
- D: 20

**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 A and Dept B (in thousands)?

- A: \$150k
- B: \$160k
- C: \$170k
- D: \$190k
- E: \$200k

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

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

- A: 18.1%
- B: 10.6%
- C: 32.2%
- D: 28.5%
- E: 23.1%

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

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

- A: \$250k
- B: \$210k
- C: \$220k
- D: \$260k
- E: \$230k

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

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

- A: \$189.0k
- B: \$180.8k
- C: \$194.4k
- D: \$204.0k
- E: \$176.5k

**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 / 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 / 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, Mia, at St. Jude's Hospital finds a public social media page run by a peer that posts mocking descriptions of patients from their pediatrics placement, which has 16 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 18 — [Situational Judgement / appropriateness]**

Scenario: A medical student, Mia, is assigned to work with Andrew on a geriatrics research project at St. John's Clinic. Andrew has not attended meetings or responded to group emails. The project is due in 19 days. How appropriate is the following action? Action: The student sends Andrew 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 medical student, Isabella, on a urology placement at Mercy Medical Center is told by a 68-year-old patient in confidence on Friday night 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 20 — [Situational Judgement / appropriateness]**

Scenario: A medical student, Hannah, is assigned to work with William on a dermatology research project at County Hospital. William has not attended meetings or responded to group emails. The project is due in 23 days. How appropriate is the following action? Action: The student sends William 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

# 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;=93>

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.