



# Applaa UCAT Practice Mock 179

Mock Practice Exam Booklet

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<https://applaa.com/practice/check?exam=ucat&paper=179>

# 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;=179> 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 2025, research conducted by researchers led by Prof. Richard Feynman at the Molecular Biology Unit investigated the properties of Perovskite. Initial experimental setups achieved an energy conversion efficiency of 27 percent. By refining the chemical vapor deposition process and reducing crystalline defects, the team successfully boosted the efficiency of Perovskite to 49 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. Richard Feynman managed to increase the energy conversion efficiency of Perovskite.

- 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 1927, the annual production of tea in Canada stood at approximately 19 million metric tons. Following key infrastructure improvements and trade agreements with Netherlands, production in Canada surged to 69 million metric tons by 1962. During this same period, Finland emerged as the primary global importer of tea, consuming over sixty percent of the total global export supply, although its domestic production remained minimal. Statement: The annual production of tea in Canada was higher in 1962 than it was in 1927.

- 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: Public health campaigns in Canada during the late twentieth century made significant progress in combating infectious diseases. In 1985, the incidence rate of Dengue Fever was recorded at 143 cases per 100,000 people. Following a nationwide distribution of protective nets and sanitation improvements, the rate fell to 90 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 Canada over ten million dollars.

- 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 1850, the annual production of coal in Sweden stood at approximately 72 million metric tons. Following key infrastructure improvements and trade agreements with Venezuela, production in Sweden surged to 97 million metric tons by 1889. During this same period, Ireland emerged as the primary global importer of coal, consuming over sixty percent of the total global export supply, although its domestic production remained minimal. Statement: Ireland signed an official trade treaty with Sweden to secure its import of coal.

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

**Question 5 — [Decision Making / venn\_deduction]**

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

- A: 83
- B: 91
- C: 88
- D: 93

**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 / 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 D to that of Dept C?

- A: 3:2
- B: 1:4
- C: 3:5
- D: 9:8
- E: 4:3

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

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

- A: 18.2%
- B: 35.5%
- C: 41.4%
- D: 21.4%
- E: 26.4%

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

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

- A: \$142.7k
- B: \$153.1k
- C: \$135.2k
- D: \$147.7k
- E: \$162.7k

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

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

- A: \$215.2k
- B: \$236.8k
- C: \$219.5k
- D: \$227.7k
- E: \$242.7k

**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 / sequence]**

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

**A:** `<svg width="70" height="70" viewBox="0 0 70 70" xmlns="http://www.w3.org/2000/svg" style="background-color:#f8f9fa;border:1px solid #ced4da;"> <g><line x1="35" y1="30.0" x2="35" y2="60" stroke="#000000" stroke-width="2" /><polygon points="35,10 45.0,30.0 25.0,30.0" fill="#000000" stroke="#000000" stroke-width="1" /></g> </svg>`

**B:** `<svg width="70" height="70" viewBox="0 0 70 70" xmlns="http://www.w3.org/2000/svg" style="background-color:#f8f9fa;border:1px solid #ced4da;"> <g><line x1="40.0" y1="35" x2="10" y2="35" stroke="#000000" stroke-width="2" /><polygon points="60,35 40.0,25.0 40.0,45.0" fill="#000000" stroke="#000000" stroke-width="1" /></g> </svg>`

**C:** `<svg width="70" height="70" viewBox="0 0 70 70" xmlns="http://www.w3.org/2000/svg" style="background-color:#f8f9fa;border:1px solid #ced4da;"> <g><line x1="35" y1="30.0" x2="35" y2="60" stroke="#000000" stroke-width="2" /><polygon points="35,10 45.0,30.0 25.0,30.0" fill="#000000" stroke="#000000" stroke-width="1" /></g> </svg>`

**D:** `<svg width="70" height="70" viewBox="0 0 70 70" xmlns="http://www.w3.org/2000/svg" style="background-color:#f8f9fa;border:1px solid #ced4da;"> <g><line x1="30.0" y1="35" x2="60" y2="35" stroke="#000000" stroke-width="2" /><polygon points="10,35 30.0,25.0 30.0,45.0" fill="#000000" stroke="#000000" stroke-width="1" /></g> </svg>`

**E:** `<svg width="70" height="70" viewBox="0 0 70 70" xmlns="http://www.w3.org/2000/svg" style="background-color:#f8f9fa;border:1px solid #ced4da;"> <g><line x1="35" y1="30.0" x2="35" y2="60" stroke="#000000" stroke-width="2" /><polygon points="35,10 45.0,30.0 25.0,30.0" fill="#000000" stroke="#000000" stroke-width="1" /></g> </svg>`

**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 / 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 / importance]**

Scenario: An elderly 83-year-old patient at Grace Medical Center during the Wednesday day-shift tells a medical student, Mia, that she lives alone and has no heating. The registrar, who has worked there for 11 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, Jessica, is assigned to work with Paul on a geriatrics research project at Hope Hospital. Paul has not attended meetings or responded to group emails. The project is due in 27 days. How appropriate is the following action? Action: The student sends Paul 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 / importance]**

Scenario: A GP, Jessica, in emergency at City General Infirmary is deciding whether to refer an anxious 77-year-old patient for an MRI scan for back pain, which is not clinically indicated. The patient has been experiencing symptoms for 4 weeks. How important is the following factor to consider? Factor: The patient's anxiety and their explicit request for the scan.

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

**Question 20 — [Situational Judgement / appropriateness]**

Scenario: A medical student, Lily, shadowing a consultant in cardiology at St. John's Clinic hears them make a culturally insensitive comment to a colleague in private during a late-night shift. How appropriate is the following action? Action: The student does not say anything at the time, but later discusses the event confidentially with a faculty advisor.

- 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;=179>

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.