



Applaa UCAT Practice Mock 142

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;=142> 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 Switzerland during the late twentieth century made significant progress in combating infectious diseases. In 1994, the incidence rate of Tuberculosis was recorded at 291 cases per 100,000 people. Following a nationwide distribution of protective nets and sanitation improvements, the rate fell to 214 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: Rising temperatures caused the incidence rate of Tuberculosis to increase during the campaign.

- 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 2023, research conducted by researchers led by Prof. Dorothy Hodgkin at the Molecular Biology Unit investigated the properties of Titanium-Beta. Initial experimental setups achieved an energy conversion efficiency of 17 percent. By refining the chemical vapor deposition process and reducing crystalline defects, the team successfully boosted the efficiency of Titanium-Beta to 35 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 Titanium-Beta.

- 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 1892, the annual production of cobalt in Morocco stood at approximately 60 million metric tons. Following key infrastructure improvements and trade agreements with Thailand, production in Morocco surged to 76 million metric tons by 1916. During this same period, Chile emerged as the primary global importer of cobalt, consuming over sixty percent of the total global export supply, although its domestic production remained minimal. Statement: The annual production of cobalt in Morocco was higher in 1916 than it was in 1892.

- 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 1922, the annual production of sugar in Belgium stood at approximately 18 million metric tons. Following key infrastructure improvements and trade agreements with Vietnam, production in Belgium surged to 61 million metric tons by 1938. During this same period, Turkey emerged as the primary global importer of sugar, consuming over sixty percent of the total global export supply, although its domestic production remained minimal. Statement: Vietnam produced more sugar than Belgium did between 1922 and 1938.

- 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 / 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 B?

- A: 3:4
- B: 3:5
- C: 10:11
- D: 1:2
- E: 3:2

Question 10 — [Quantitative Reasoning / chart_interpretation]

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

- A: 2:5
- B: 4:1
- C: 3:2
- D: 4:3
- E: 11:12

Question 11 — [Quantitative Reasoning / table_interpretation]

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

- A: 6.5%
- B: 9.7%
- C: 20.1%
- D: 2.2%
- E: 14.7%

Question 12 — [Quantitative Reasoning / table_interpretation]

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

- A: \$130.1k
- B: \$116.5k
- C: \$133.8k
- D: \$112.2k
- E: \$124.7k

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 / 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 / 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="40.0" x2="35" y2="10" stroke="#000000" stroke-width="2" /><polygon points="35,60 45.0,40.0 25.0,40.0" 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="35" y1="40.0" x2="35" y2="10" stroke="#000000" stroke-width="2" /><polygon points="35,60 45.0,40.0 25.0,40.0" 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="40.0" x2="35" y2="10" stroke="#000000" stroke-width="2" /><polygon points="35,60 45.0,40.0 25.0,40.0" fill="#000000" stroke="#000000" stroke-width="1" /></g> </svg>`

Question 17 — [Situational Judgement / importance]

Scenario: A junior doctor, Ella, at Hope Hospital is deciding whether to escalate a deteriorating 62-year-old patient in the endocrinology ward to the registrar on call during the Monday morning rounds. How important is the following factor to consider? Factor: Whether the registrar will be annoyed or irritated by the call.

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

Question 18 — [Situational Judgement / importance]

Scenario: A junior doctor, Alice, in general surgery at City General Infirmary is considering whether to stay past her shift during the Monday morning rounds to finish routine paperwork. She has already worked 10 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 junior doctor, Grace, at Mount Sinai is running late on a busy Saturday shift. A 56-year-old patient arrives 20 minutes late for their appointment on a ward with 24 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 / appropriateness]

Scenario: A medical student, Emily, is assigned to work with Steven on a neurology research project at Valley View. Steven has not attended meetings or responded to group emails. The project is due in 22 days. How appropriate is the following action? Action: The student sends Steven 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;=142>

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.