



Applaa UCAT Practice Mock 160

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=160>

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;=160> 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 2011, research conducted by researchers led by Dr. Sarah Jenkins at the Molecular Biology Unit investigated the properties of Titanium-Beta. Initial experimental setups achieved an energy conversion efficiency of 29 percent. By refining the chemical vapor deposition process and reducing crystalline defects, the team successfully boosted the efficiency of Titanium-Beta to 47 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 at the Molecular Biology Unit was funded by a government scientific grant.

- 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: Public health campaigns in Indonesia during the late twentieth century made significant progress in combating infectious diseases. In 1992, the incidence rate of Cholera was recorded at 217 cases per 100,000 people. Following a nationwide distribution of protective nets and sanitation improvements, the rate fell to 162 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 Indonesia over ten million dollars.

- 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 New Zealand during the late twentieth century made significant progress in combating infectious diseases. In 2013, the incidence rate of Cholera was recorded at 286 cases per 100,000 people. Following a nationwide distribution of protective nets and sanitation improvements, the rate fell to 227 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 Cholera to increase during the campaign.

- 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 1913, the annual production of copper in South Korea stood at approximately 34 million metric tons. Following key infrastructure improvements and trade agreements with Sweden, production in South Korea surged to 91 million metric tons by 1947. During this same period, Greece emerged as the primary global importer of copper, consuming over sixty percent of the total global export supply, although its domestic production remained minimal. Statement: The annual production of copper in South Korea was higher in 1947 than it was in 1913.

- 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: 89
- B: 92
- C: 84
- D: 81

Question 6 — [Decision Making / venn_deduction]

Based on the Venn diagram, how many members belong to Dog Owners and Cat Owners but NOT Bird Owners?

- A: 4
- B: 17
- C: 7
- D: 12

Question 7 — [Decision Making / venn_deduction]

Based on the Venn diagram, how many members belong to both Dog Owners and Bird Owners?

- A: 20
- B: 17
- C: 22
- D: 15

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 D and Dept B (in thousands)?

- A: \$110k
- B: \$120k
- C: \$140k
- D: \$160k
- E: \$130k

Question 10 — [Quantitative Reasoning / table_interpretation]

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

- A: 7.3%
- B: 25.2%
- C: 19.8%
- D: 14.8%
- E: 28.9%

Question 11 — [Quantitative Reasoning / chart_interpretation]

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

- A: \$280k
- B: \$260k
- C: \$250k
- D: \$270k
- E: \$240k

Question 12 — [Quantitative Reasoning / table_interpretation]

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

- A: \$153.0k
- B: \$162.1k
- C: \$144.8k
- D: \$158.4k
- E: \$168.0k

Question 13 — [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="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>`
- 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="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>`
- 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="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>`

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;"> <rect x="0" y="0" width="70" height="70" rx="4" ry="0" fill="#f8f9fa" stroke="#343a40" stroke-width="2" fill-opacity="1.0" /> <polygon points="54.5,38.16 64.32044,55.17 44.67956,55.17" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="14.5,4.16 24.320439999999998,21.17 4.67956,21.17" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="51.5,8.16 61.32044,25.17 41.67956,25.17" fill="#888888" stroke="#000000" stroke-width="2" /> </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;"> <rect x="0" y="0" width="70" height="70" rx="4" ry="0" fill="#f8f9fa" stroke="#343a40" stroke-width="2" fill-opacity="1.0" /> <polygon points="51.5,30.84 61.32044,13.83 41.67956,13.83" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="19.5,40.16 29.320439999999998,57.17 9.67956,57.17" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="53.5,65.84 63.32044,48.83 43.67956,48.83" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="19.5,28.84 29.320439999999998,11.83 9.67956,11.83" fill="#888888" stroke="#000000" stroke-width="2" /> </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;"> <rect x="0" y="0" width="70" height="70" rx="4" ry="0" fill="#f8f9fa" stroke="#343a40" stroke-width="2" fill-opacity="1.0" /> <polygon points="19.5,65.84 29.320439999999998,48.83 9.67956,48.83" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="19.5,6.16 29.320439999999998,23.17 9.67956,23.17" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="51.5,66.84 61.32044,49.83 41.67956,49.83" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="51.5,6.16 61.32044,23.17 41.67956,23.17" fill="#888888" stroke="#000000" stroke-width="2" /> </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;"> <rect x="0" y="0" width="70" height="70" rx="4" ry="0" fill="#f8f9fa" stroke="#343a40" stroke-width="2" fill-opacity="1.0" /> <polygon points="49.5,29.84 59.32044,12.83 39.67956,12.83" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="19.5,41.16 29.320439999999998,58.17 9.67956,58.17" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="15.5,28.84 25.320439999999998,11.83 5.67956,11.83" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="50.5,62.84 60.32044,45.83 40.67956,45.83" fill="#888888" stroke="#000000" stroke-width="2" /> </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;"> <rect x="0" y="0" width="70" height="70" rx="4" ry="0" fill="#f8f9fa" stroke="#343a40" stroke-width="2" fill-opacity="1.0" /> <polygon points="20.5,7.16 30.320439999999998,24.17 10.67956,24.17" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="50.5,66.84 60.32044,49.83 40.67956,49.83" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="52.5,3.16 62.32044,20.17 42.67956,20.17" fill="#888888" stroke="#000000" stroke-width="2" /> </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 / 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: A junior doctor, Emma, in pediatrics at Memorial Hospital is considering whether to stay past her shift during the Monday morning rounds to finish routine paperwork. She has already worked 3 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 18 — [Situational Judgement / importance]

Scenario: A junior doctor, Charlotte, at St. Anthony's is deciding whether to escalate a deteriorating 75-year-old patient in the psychiatry 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 19 — [Situational Judgement / importance]

Scenario: A medical student, Lucy, at Community Health is deciding whether to speak up during a consultation in pediatrics on Sunday night when they notice a mistake in the treatment plan for a 67-year-old patient. How important is the following factor to consider? Factor: The gender of the patient being treated.

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

Question 20 — [Situational Judgement / appropriateness]

Scenario: A final-year medical student, Lily, is working at Methodist Hospital on Friday night. She notices that a fellow medical student, Robert, has arrived on shift smelling strongly of alcohol. Robert is scheduled to assist in a clinical procedure later that morning on a ward with 36 patients under the supervision of a registrar. How appropriate is the following action? Action: Lily immediately reports Robert to the supervising consultant 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

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;=160>

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.