



Applaa UCAT Practice Mock 97

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;=97> 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 1824, the annual production of tea in Thailand stood at approximately 58 million metric tons. Following key infrastructure improvements and trade agreements with Portugal, production in Thailand surged to 86 million metric tons by 1863. During this same period, Vietnam 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: Vietnam signed an official trade treaty with Thailand to secure its import of tea.

- 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 Mexico during the late twentieth century made significant progress in combating infectious diseases. In 2004, the incidence rate of Cholera was recorded at 233 cases per 100,000 people. Following a nationwide distribution of protective nets and sanitation improvements, the rate fell to 157 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 incidence rate of Cholera per 100,000 people in Mexico decreased after the public health campaign.

- 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 2016, research conducted by researchers led by Dr. Sarah Jenkins at the Astrophysics Division investigated the properties of Titanium-Beta. Initial experimental setups achieved an energy conversion efficiency of 21 percent. By refining the chemical vapor deposition process and reducing crystalline defects, the team successfully boosted the efficiency of Titanium-Beta to 38 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: Titanium-Beta became commercially viable immediately following the trials led by Dr. Sarah Jenkins.

- 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 2015, research conducted by researchers led by Dr. Rosalind Franklin at the Molecular Biology Unit investigated the properties of Borophene. 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 Borophene to 36 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. Rosalind Franklin managed to increase the energy conversion efficiency of Borophene.

- 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: 70
- B: 77
- C: 80
- D: 85

Question 6 — [Decision Making / venn_deduction]

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

- A: 30
- B: 33
- C: 28
- D: 43

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: 25
- B: 35
- C: 43
- D: 45

Question 9 — [Quantitative Reasoning / table_interpretation]

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

- A: 42.8%
- B: 46.0%
- C: 38.5%
- D: 51.0%
- E: 60.1%

Question 10 — [Quantitative Reasoning / chart_interpretation]

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

- A: 1:4
- B: 10:13
- C: 3:5
- D: 3:1
- E: 3:2

Question 11 — [Quantitative Reasoning / chart_interpretation]

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

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

Question 12 — [Quantitative Reasoning / chart_interpretation]

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

- A: \$170k
- B: \$200k
- C: \$180k
- D: \$160k
- E: \$190k

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;"> <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="49.5,36.9 62.1,49.5 49.5,62.1 36.9,49.5" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="19.5,40.9 32.1,53.5 19.5,66.1 6.9,53.5" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="52.5,1.9000000000000004 65.1,14.5 52.5,27.1 39.9,14.5" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="15.5,4.9 28.1,17.5 15.5,30.1 2.9000000000000004,17.5" 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="17.5,4.9 30.1,17.5 17.5,30.1 4.9,17.5" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="20.5,41.9 33.1,54.5 20.5,67.1 7.9,54.5" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="52.5,40.9 65.1,53.5 52.5,66.1 39.9,53.5" 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="19.5,39.9 32.1,52.5 19.5,65.1 6.9,52.5" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="51.5,1.9000000000000004 64.1,14.5 51.5,27.1 38.9,14.5" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="51.5,38.9 64.1,51.5 51.5,64.1 38.9,51.5" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="16.5,2.9000000000000004 29.1,15.5 16.5,28.1 3.9000000000000004,15.5" 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="20.5,3.9000000000000004 33.1,16.5 20.5,29.1 7.9,16.5" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="20.5,40.9 33.1,53.5 20.5,66.1 7.9,53.5" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="50.5,1.9000000000000004 63.1,14.5 50.5,27.1 37.9,14.5" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="49.5,38.9 62.1,51.5 49.5,64.1 36.9,51.5" 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="16.5,5.9 29.1,18.5 16.5,31.1 3.9000000000000004,18.5" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="52.5,40.9 65.1,53.5 52.5,66.1 39.9,53.5" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="53.5,5.9 66.1,18.5 53.5,31.1 40.9,18.5" fill="#888888" stroke="#000000" stroke-width="2" /> </svg>`

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 / 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 during the Monday morning rounds at St. Jude's Hospital, a medical student, Ella, witnesses a healthcare assistant roughly handling a confused 79-year-old elderly patient in the geriatrics ward, which has been open for 11 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 medical student, Mia, at Hope Hospital is deciding whether to speak up during a consultation in neurology on Tuesday morning when they notice a mistake in the treatment plan for a 70-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 19 — [Situational Judgement / importance]

Scenario: A medical student, Emma, at County Hospital is deciding whether to report a classmate, Alex, who was seen copying answers during a formative oncology test worth 21 points. How important is the following factor to consider? Factor: Whether the exam was a formative test or a formal summative exam.

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

Question 20 — [Situational Judgement / appropriateness]

Scenario: A medical student, Hannah, at St. John's Clinic finds a public social media page run by a peer that posts mocking descriptions of patients from their oncology placement, which has 24 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

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;=97>

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.