



Applaa UCAT Practice Mock 110

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=110>

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;=110> 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: Public health campaigns in Kenya during the late twentieth century made significant progress in combating infectious diseases. In 1971, the incidence rate of Malaria was recorded at 152 cases per 100,000 people. Following a nationwide distribution of protective nets and sanitation improvements, the rate fell to 102 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 Kenya over ten million dollars.

- 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 1893, the annual production of coffee in Vietnam stood at approximately 65 million metric tons. Following key infrastructure improvements and trade agreements with Colombia, production in Vietnam surged to 83 million metric tons by 1920. During this same period, Turkey emerged as the primary global importer of coffee, consuming over sixty percent of the total global export supply, although its domestic production remained minimal. Statement: Turkey signed an official trade treaty with Vietnam to secure its import of coffee.

- 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 2018, research conducted by researchers led by Dr. Rosalind Franklin at the Molecular Biology Unit investigated the properties of Gallium-Nitride. Initial experimental setups achieved an energy conversion efficiency of 28 percent. By refining the chemical vapor deposition process and reducing crystalline defects, the team successfully boosted the efficiency of Gallium-Nitride to 52 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: Gallium-Nitride became commercially viable immediately following the trials led by Dr. Rosalind Franklin.

- 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 1879, the annual production of tea in Venezuela stood at approximately 35 million metric tons. Following key infrastructure improvements and trade agreements with Chile, production in Venezuela surged to 53 million metric tons by 1895. During this same period, Morocco 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: Chile produced more tea than Venezuela did between 1879 and 1895.

- 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 / venn_deduction]

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

- A: 19
- B: 17
- C: 12
- D: 22

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: 42
- B: 44
- C: 50
- D: 47

Question 9 — [Quantitative Reasoning / chart_interpretation]

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

- A: \$190k
- B: \$200k
- C: \$150k
- D: \$170k
- E: \$180k

Question 10 — [Quantitative Reasoning / table_interpretation]

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

- A: 26.8%
- B: 14.3%
- C: 18.6%
- D: 32.2%
- E: 35.9%

Question 11 — [Quantitative Reasoning / chart_interpretation]

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

- A: 4:1
- B: 10:9
- C: 1:3
- D: 1:2
- E: 3:1

Question 12 — [Quantitative Reasoning / table_interpretation]

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

- A: \$168.8k
- B: \$186.1k
- C: \$172.0k
- D: \$177.0k
- E: \$192.0k

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;"> <rect x="0" y="0" width="70" height="70" rx="4" ry="0" fill="#f8f9fa" stroke="#343a40" stroke-width="2" fill-opacity="1.0" /> <circle cx="16.5" cy="52.5" r="10.08" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> <circle cx="14.5" cy="17.5" r="10.08" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> <circle cx="54.5" cy="54.5" r="10.08" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> <circle cx="53.5" cy="20.5" r="10.08" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> </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" /> <circle cx="17.5" cy="17.5" r="10.08" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> <circle cx="20.5" cy="49.5" r="10.08" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> <circle cx="51.5" cy="55.5" r="10.08" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> </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" /> <circle cx="49.5" cy="16.5" r="10.08" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> <circle cx="20.5" cy="50.5" r="10.08" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> <circle cx="18.5" cy="19.5" r="10.08" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> </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" /> <circle cx="53.5" cy="50.5" r="10.08" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> <circle cx="14.5" cy="49.5" r="10.08" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> <circle cx="18.5" cy="18.5" r="10.08" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> <circle cx="51.5" cy="16.5" r="10.08" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> </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" /> <circle cx="16.5" cy="50.5" r="10.08" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> <circle cx="18.5" cy="20.5" r="10.08" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> <circle cx="54.5" cy="15.5" r="10.08" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> <circle cx="51.5" cy="52.5" r="10.08" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> </svg>`

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 / importance]

Scenario: A GP, Mia, in oncology at St. Jude's Hospital is deciding whether to refer an anxious 85-year-old patient for an MRI scan for back pain, which is not clinically indicated. The patient has been experiencing symptoms for 9 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 18 — [Situational Judgement / appropriateness]

Scenario: A medical student, Alice, is assigned to work with Andrew on a cardiology research project at St. Anthony's. Andrew 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 completes all of Andrew's assigned research tasks herself without telling the 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: An elderly 81-year-old patient at Community Health during the Monday morning rounds tells a medical student, Grace, that she lives alone and has no heating. The registrar, who has worked there for 6 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 20 — [Situational Judgement / appropriateness]

Scenario: A medical student, Jessica, is assigned to work with Thomas on a emergency research project at County Hospital. Thomas has not attended meetings or responded to group emails. The project is due in 11 days. How appropriate is the following action? Action: The student sends Thomas 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=ucac&paper;=110>

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.