Applaa UCAT Practice Mock 114

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=114

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;=114** 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.

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 1916, the annual production of silver in Portugal stood at approximately 80 million metric tons. Following key infrastructure improvements and trade agreements with Vietnam, production in Portugal surged to 133 million metric tons by 1933. During this same period, Thailand emerged as the primary global importer of silver, consuming over sixty percent of the total global export supply, although its domestic production remained minimal. Statement: Vietnam produced more silver than Portugal did between 1916 and 1933.

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 2020, research conducted by researchers led by Dr. Barbara McClintock at the Genetic Engineering Center investigated the properties of Germanene. Initial experimental setups achieved an energy conversion efficiency of 23 percent. By refining the chemical vapor deposition process and reducing crystalline defects, the team successfully boosted the efficiency of Germanene to 41 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 Genetic Engineering Center was funded by a government scientific grant.

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 Australia during the late twentieth century made significant progress in combating infectious diseases. In 2006, the incidence rate of Cholera was recorded at 281 cases per 100,000 people. Following a nationwide distribution of protective nets and sanitation improvements, the rate fell to 190 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 Australia decreased after the public health campaign.

A: True

B: False

C: Can't Tell

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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: Public health campaigns in Spain during the late twentieth century made significant progress in combating infectious diseases. In 1997, the incidence rate of Cholera was recorded at 219 cases per 100,000 people. Following a nationwide distribution of protective nets and sanitation improvements, the rate fell to 119 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 Spain over ten million dollars.

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 / venn_deduction]

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

A: 34
B: 24
C: 42
D: 44

Question 9 — [Quantitative Reasoning / table_interpretation]

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

A: $163.1k
B: $171.3k
C: $180.4k
D: $158.8k
E: $166.3k

Question 10 — [Quantitative Reasoning / chart_interpretation]

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

A: 15:13
B: 1:4
C: 1:3
D: 1:2
E: 4:3

Question 11 — [Quantitative Reasoning / table_interpretation]

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

A: 34.5%
B: 17.2%
C: 30.8%
D: 25.4%
E: 20.4%

Question 12 — [Quantitative Reasoning / chart_interpretation]

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

A: 15:11
B: 5:3
C: 3:2
D: 1:2
E: 3:5

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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 / set_ab]

Does the Test Shape belong to Set A, Set B, or Neither?

A: Set A

B: Set B

C: Neither

Question 15 — [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="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>

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="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>

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 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;"> <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="55.5,7.9 68.1,20.5 55.5,33.1 42.9,20.5" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="18.5,37.9 31.1,50.5 18.5,63.1 5.9,50.5" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="20.5,1.9000000000000004 33.1,14.5 20.5,27.1 7.9,14.5" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="49.5,37.9 62.1,50.5 49.5,63.1 36.9,50.5" 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="19.5,2.9000000000000004 32.1,15.5 19.5,28.1 6.9,15.5" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="20.5,42.9 33.1,55.5 20.5,68.1 7.9,55.5" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="52.5,6.9 65.1,19.5 52.5,32.1 39.9,19.5" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="54.5,39.9 67.1,52.5 54.5,65.1 41.9,52.5" 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="51.5,37.9 64.1,50.5 51.5,63.1 38.9,50.5" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="14.5,1.9000000000000004 27.1,14.5 14.5,27.1 1.9000000000000004,14.5" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="50.5,2.9000000000000004 63.1,15.5 50.5,28.1 37.9,15.5" fill="#888888" stroke="#000000" stroke-width="2" /> </svg>

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Question 17 — [Situational Judgement / appropriateness]

Scenario: A busy junior doctor, Lucy, at Grace Medical Center is asked by a nurse to prescribe aspirin for a 90-year-old patient in the endocrinology ward she has not yet met or reviewed. She has been on shift for 5 hours. How appropriate is the following action? Action: The doctor writes the prescription over the phone without reviewing the patient's chart or history.

A: A very appropriate thing to do

B: Appropriate, but not ideal

C: Inappropriate, but not awful

D: A very inappropriate thing to do

Check Answers: applaa.com/practice/check?exam=ucat&paper=114

Question 18 — [Situational Judgement / appropriateness]

Scenario: A medical student, Sophie, on a urology placement at East Valley Hospital is told by a 68-year-old patient in confidence on a busy Saturday shift that they plan to physically harm their partner later that day. How appropriate is the following action? Action: The student promises to keep this completely confidential to maintain the patient's trust.

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 / appropriateness]

Scenario: A final-year medical student, Lucy, is working at Royal Hospital on a Thursday afternoon. She notices that a fellow medical student, Andrew, has arrived on shift smelling strongly of alcohol. Andrew is scheduled to assist in a clinical procedure later that morning on a ward with 38 patients under the supervision of a registrar. How appropriate is the following action? Action: Lucy immediately reports Andrew 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

Question 20 — [Situational Judgement / importance]

Scenario: A medical student, Lily, at St. Mary's Hospital is deciding whether to report a classmate, Gary, who was seen copying answers during a formative endocrinology test worth 33 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

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;=114**

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.