Applaa UCAT Practice Mock 116

Mock Practice Exam Booklet

Applaa: Socratic Practice Engine

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https://applaa.com/practice/check?exam=ucat&paper=116

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;=116** 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: Public health campaigns in Morocco during the late twentieth century made significant progress in combating infectious diseases. In 2006, the incidence rate of Malaria was recorded at 275 cases per 100,000 people. Following a nationwide distribution of protective nets and sanitation improvements, the rate fell to 191 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 Morocco 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: Public health campaigns in South Korea during the late twentieth century made significant progress in combating infectious diseases. In 1994, the incidence rate of Malaria was recorded at 166 cases per 100,000 people. Following a nationwide distribution of protective nets and sanitation improvements, the rate fell to 115 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 Malaria per 100,000 people in South Korea 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: During the mid-nineteenth and early twentieth centuries, global trade networks reshaped national economies. In 1837, the annual production of cotton in Switzerland stood at approximately 69 million metric tons. Following key infrastructure improvements and trade agreements with Austria, production in Switzerland surged to 126 million metric tons by 1852. During this same period, Chile emerged as the primary global importer of cotton, consuming over sixty percent of the total global export supply, although its domestic production remained minimal. Statement: The annual production of cotton in Switzerland was higher in 1852 than it was in 1837.

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: In 2017, research conducted by researchers led by Dr. Marcus Vance at the Renewable Energy Research investigated the properties of Phosphorene. Initial experimental setups achieved an energy conversion efficiency of 22 percent. By refining the chemical vapor deposition process and reducing crystalline defects, the team successfully boosted the efficiency of Phosphorene to 46 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: Phosphorene became commercially viable immediately following the trials led by Dr. Marcus Vance.

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 / venn_deduction]

Based on the Venn diagram, how many members belong to EXACTLY one club/group?

A: 71

B: 56

C: 68

D: 66

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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 B to that of Dept A?

A: 1:2
B: 5:3
C: 3:5
D: 3:1
E: 4:1

Question 10 — [Quantitative Reasoning / table_interpretation]

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

A: 49.0%
B: 44.0%
C: 40.8%
D: 36.5%
E: 54.4%

Question 11 — [Quantitative Reasoning / table_interpretation]

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

A: 27.9%
B: 47.9%
C: 42.0%
D: 24.7%
E: 32.9%

Question 12 — [Quantitative Reasoning / chart_interpretation]

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

A: $170k
B: $220k
C: $200k
D: $180k
E: $190k

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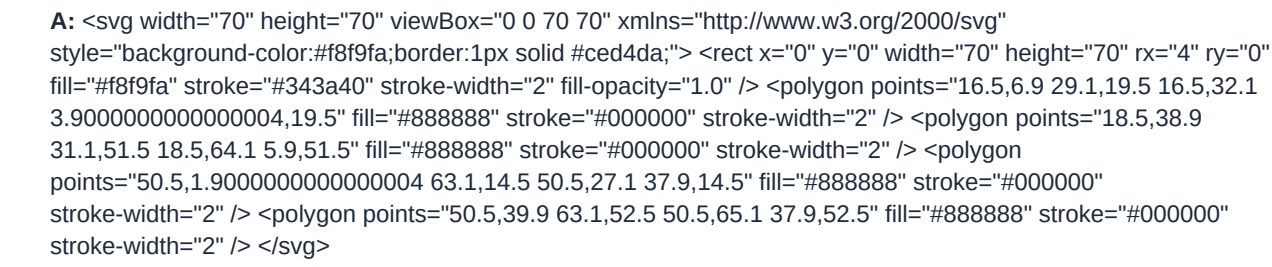
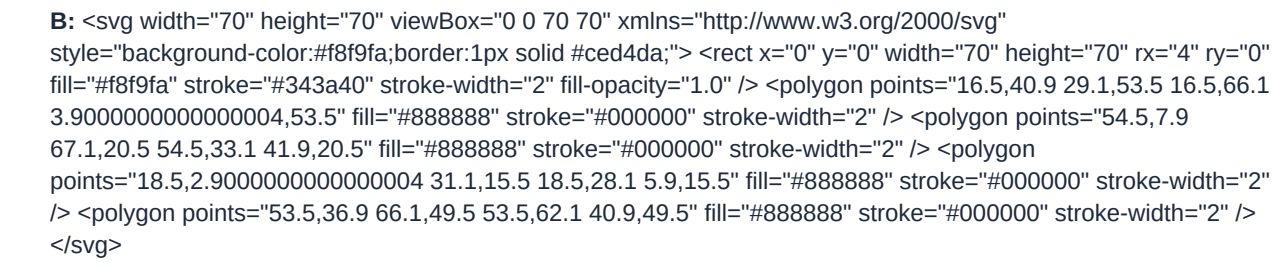
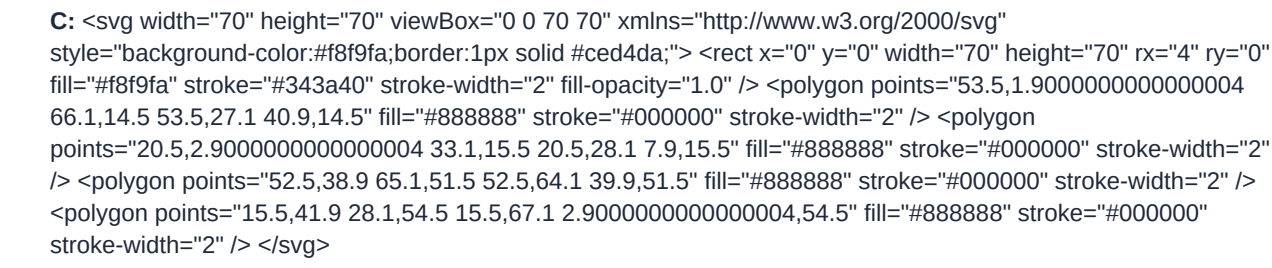
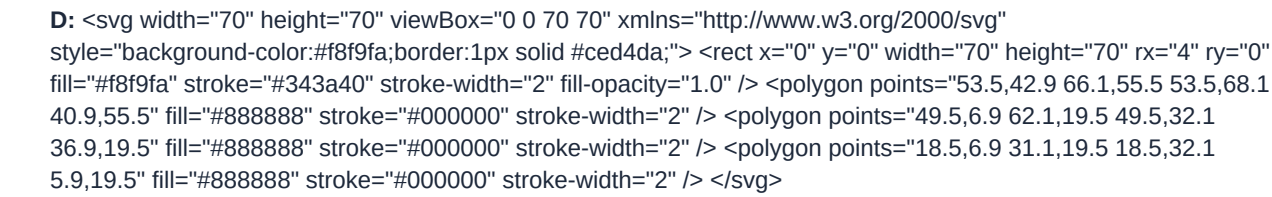
Question 13 — [Abstract Reasoning / sequence]

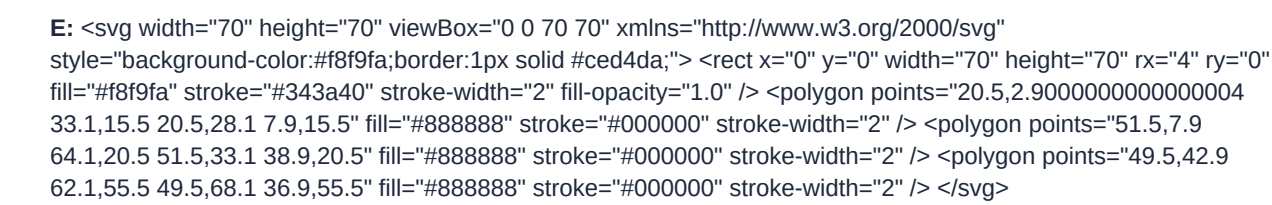
Which of the options completes the sequence shown in the diagram?

A: 

B: 

C: 

D: 

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;"> <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>

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="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 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

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Question 17 — [Situational Judgement / appropriateness]

Scenario: A junior doctor, Jessica, at Mount Sinai discovers that her close colleague, Andrew, who has worked there for 11 months, has been falsifying overnight patient observation logs in dermatology. How appropriate is the following action? Action: The doctor decides not to report it to protect her colleague's medical career.

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 junior doctor, Jessica, has been asked by a colleague to swap a scheduled on-call shift in oncology at St. Jude's Hospital so the colleague can attend an event on during the Wednesday day-shift. How important is the following factor to consider? Factor: The specific personal reason the colleague wants to swap the shift.

A: Very Important

B: Important

C: Of Minor Importance

D: Not Important at All

Question 19 — [Situational Judgement / appropriateness]

Scenario: A medical student, Ella, is assigned to work with Steven on a cardiology research project at County Hospital. Steven has not attended meetings or responded to group emails. The project is due in 12 days. How appropriate is the following action? Action: The student completes all of Steven'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 20 — [Situational Judgement / appropriateness]

Scenario: During a emergency ward round on a busy Saturday shift at Royal Hospital, a consultant asks a medical student, Chloe, a clinical question. The student, who has been shadowing for 4 weeks, does not know the answer. How appropriate is the following action? Action: The student invents a plausible-sounding answer hoping the consultant will not notice.

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=116

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;=116**

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.