Applaa UCAT Practice Mock 58

Mock Practice Exam Booklet

Applaa: Socratic Practice Engine

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https://applaa.com/practice/check?exam=ucat&paper=58

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;=58** 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 Finland during the late twentieth century made significant progress in combating infectious diseases. In 2004, the incidence rate of Dengue Fever was recorded at 230 cases per 100,000 people. Following a nationwide distribution of protective nets and sanitation improvements, the rate fell to 130 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 Dengue Fever to increase during the campaign.

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 Germany during the late twentieth century made significant progress in combating infectious diseases. In 2013, the incidence rate of Tuberculosis was recorded at 257 cases per 100,000 people. Following a nationwide distribution of protective nets and sanitation improvements, the rate fell to 206 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 Germany 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: During the mid-nineteenth and early twentieth centuries, global trade networks reshaped national economies. In 1879, the annual production of cobalt in Finland stood at approximately 49 million metric tons. Following key infrastructure improvements and trade agreements with Portugal, production in Finland surged to 90 million metric tons by 1895. During this same period, Netherlands emerged as the primary global importer of cobalt, consuming over sixty percent of the total global export supply, although its domestic production remained minimal. Statement: Portugal produced more cobalt than Finland did between 1879 and 1895.

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 2012, research conducted by researchers led by Prof. Elena Vance at the Quantum Computing Lab investigated the properties of Graphene. 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 Graphene to 48 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: Graphene became commercially viable immediately following the trials led by Prof. Elena Vance.

A: True

B: False

C: Can't Tell

Question 5 — [Decision Making / venn_deduction]

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

A: 13

B: 10

C: 18

D: 21

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 both Tennis and Athletics?

A: 28

B: 22

C: 25

D: 20

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Question 8 — [Decision Making / venn_deduction]

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

A: 95
B: 100
C: 97
D: 90

Question 9 — [Quantitative Reasoning / table_interpretation]

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

A: $157.5k
B: $165.7k
C: $180.7k
D: $153.2k
E: $160.7k

Question 10 — [Quantitative Reasoning / table_interpretation]

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

A: $268.3k
B: $240.8k
C: $258.7k
D: $253.3k
E: $248.3k

Question 11 — [Quantitative Reasoning / table_interpretation]

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

A: $227.7k
B: $218.1k
C: $212.7k
D: $221.8k
E: $207.7k

Question 12 — [Quantitative Reasoning / chart_interpretation]

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

A: $140k
B: $120k
C: $110k
D: $150k
E: $100k

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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="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>

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="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>

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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="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>

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Question 14 — [Abstract Reasoning / sequence]

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

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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 GP, Sophia, in general surgery at Northside Clinic is deciding whether to refer an anxious 90-year-old patient for an MRI scan for back pain, which is not clinically indicated. The patient has been experiencing symptoms for 4 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, Mia, shadowing a consultant in endocrinology at Hope Hospital hears them make a culturally insensitive comment to a colleague in private on Tuesday morning. How appropriate is the following action? Action: The student does not say anything at the time, but later discusses the event confidentially with a faculty advisor.

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, Sophia, is working at Methodist Hospital on Wednesday evening. She notices that a fellow medical student, Brian, has arrived on shift smelling strongly of alcohol. Brian is scheduled to assist in a clinical procedure later that morning on a ward with 17 patients under the supervision of a registrar. How appropriate is the following action? Action: Sophia immediately reports Brian 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 / appropriateness]

Scenario: During a cardiology ward round on a busy Saturday shift at Northside Clinic, a consultant asks a medical student, Olivia, 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=58

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;=58**

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.