



Applaa UCAT Practice Mock 228

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;=228> 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 1880, the annual production of cotton in South Korea stood at approximately 47 million metric tons. Following key infrastructure improvements and trade agreements with Portugal, production in South Korea surged to 86 million metric tons by 1890. During this same period, Czechia 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: Czechia signed an official trade treaty with South Korea to secure its import of cotton.

- 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 New Zealand during the late twentieth century made significant progress in combating infectious diseases. In 2010, the incidence rate of Cholera was recorded at 142 cases per 100,000 people. Following a nationwide distribution of protective nets and sanitation improvements, the rate fell to 53 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 New Zealand 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: In 2014, research conducted by researchers led by Prof. Lise Meitner at the Genetic Engineering Center investigated the properties of Gallium-Nitride. Initial experimental setups achieved an energy conversion efficiency of 20 percent. By refining the chemical vapor deposition process and reducing crystalline defects, the team successfully boosted the efficiency of Gallium-Nitride to 40 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 Prof. Lise Meitner managed to increase the energy conversion efficiency of Gallium-Nitride.

- 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: Public health campaigns in Saudi Arabia during the late twentieth century made significant progress in combating infectious diseases. In 1982, the incidence rate of Tuberculosis was recorded at 263 cases per 100,000 people. Following a nationwide distribution of protective nets and sanitation improvements, the rate fell to 187 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 Saudi Arabia 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 / venn_deduction]

Based on the Venn diagram, how many members belong to Dog Owners and Cat Owners but NOT Bird Owners?

- A: 8
- B: 6
- C: 14
- D: 11

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 both Tennis and Athletics?

- A: 11
- B: 16
- C: 24
- D: 18

Question 9 — [Quantitative Reasoning / table_interpretation]

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

- A: \$156.4k
- B: \$147.3k
- C: \$162.3k
- D: \$142.3k
- E: \$134.8k

Question 10 — [Quantitative Reasoning / chart_interpretation]

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

- A: \$230k
- B: \$260k
- C: \$220k
- D: \$240k
- E: \$270k

Question 11 — [Quantitative Reasoning / chart_interpretation]

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

- A: \$250k
- B: \$270k
- C: \$230k
- D: \$240k
- E: \$280k

Question 12 — [Quantitative Reasoning / chart_interpretation]

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

- A: 3:5
- B: 4:3
- C: 3:1
- D: 15:8
- E: 4:1

Question 13 — [Abstract Reasoning / sequence]

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

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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;"> <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="18.5,3.9000000000000004 31.1,16.5 18.5,29.1 5.9,16.5" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="51.5,41.9 64.1,54.5 51.5,67.1 38.9,54.5" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="52.5,5.9 65.1,18.5 52.5,31.1 39.9,18.5" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="15.5,40.9 28.1,53.5 15.5,66.1 2.9000000000000004,53.5" fill="#888888" stroke="#000000" stroke-width="2" /> </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;"> <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="19.5,5.9 32.1,18.5 19.5,31.1 6.9,18.5" fill="#888888" stroke="#000000" stroke-width="2" /> <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="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="52.5,42.9 65.1,55.5 52.5,68.1 39.9,55.5" fill="#888888" stroke="#000000" stroke-width="2" /> </svg>

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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 / appropriateness]

Scenario: A medical student, Lucy, is assigned to work with Michael on a pediatrics research project at Methodist Hospital. Michael has not attended meetings or responded to group emails. The project is due in 19 days. How appropriate is the following action? Action: The student completes all of Michael'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 18 — [Situational Judgement / importance]

Scenario: A medical student, Isabella, at City General Infirmary is deciding whether to speak up during a consultation in endocrinology on Wednesday evening when they notice a mistake in the treatment plan for a 74-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, Lucy, at Community Health is deciding whether to report a classmate, Brian, who was seen copying answers during a formative oncology test worth 32 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 / importance]

Scenario: A GP, Mia, in general surgery at St. Vincent's is deciding whether to refer an anxious 56-year-old patient for an MRI scan for back pain, which is not clinically indicated. The patient has been experiencing symptoms for 7 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

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