



Applaa UCAT Practice Mock 139

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;=139> 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: In 2024, research conducted by researchers led by Dr. Aris Thorne at the Materials Science Lab investigated the properties of Titanium-Beta. Initial experimental setups achieved an energy conversion efficiency of 15 percent. By refining the chemical vapor deposition process and reducing crystalline defects, the team successfully boosted the efficiency of Titanium-Beta to 33 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: Titanium-Beta became commercially viable immediately following the trials led by Dr. Aris Thorne.

- 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 Netherlands during the late twentieth century made significant progress in combating infectious diseases. In 1993, the incidence rate of Dengue Fever was recorded at 173 cases per 100,000 people. Following a nationwide distribution of protective nets and sanitation improvements, the rate fell to 99 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 Netherlands 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 1847, the annual production of bauxite in Japan stood at approximately 42 million metric tons. Following key infrastructure improvements and trade agreements with Germany, production in Japan surged to 83 million metric tons by 1861. During this same period, Finland emerged as the primary global importer of bauxite, consuming over sixty percent of the total global export supply, although its domestic production remained minimal. Statement: The annual production of bauxite in Japan was higher in 1861 than it was in 1847.

- 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 Switzerland during the late twentieth century made significant progress in combating infectious diseases. In 2010, the incidence rate of Dengue Fever was recorded at 266 cases per 100,000 people. Following a nationwide distribution of protective nets and sanitation improvements, the rate fell to 171 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 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: 12
- B: 20
- C: 2
- D: 9

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 / 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 A to that of Dept B?

- A: 3:4
- B: 2:3
- C: 4:1
- D: 11:4
- E: 2:5

Question 10 — [Quantitative Reasoning / chart_interpretation]

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

- A: \$180k
- B: \$150k
- C: \$160k
- D: \$130k
- E: \$140k

Question 11 — [Quantitative Reasoning / table_interpretation]

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

- A: \$109.2k
- B: \$113.5k
- C: \$136.7k
- D: \$130.8k
- E: \$121.7k

Question 12 — [Quantitative Reasoning / chart_interpretation]

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

- A: 7:15
- B: 1:1
- C: 3:4
- D: 2:5
- 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 / 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 / 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="55.5,1.9000000000000004 68.1,14.5 55.5,27.1 42.9,14.5" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="54.5,41.9 67.1,54.5 54.5,67.1 41.9,54.5" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="18.5,1.9000000000000004 31.1,14.5 18.5,27.1 5.9,14.5" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="15.5,41.9 28.1,54.5 15.5,67.1 2.9000000000000004,54.5" 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 / importance]

Scenario: A junior doctor, Sarah, in neurology at St. Jude's Hospital is considering whether to stay past her shift during the Monday morning rounds to finish routine paperwork. She has already worked 10 hours. How important is the following factor to consider? Factor: The doctor's current level of fatigue and its potential impact on accuracy.

- A: Very Important
- B: Important
- C: Of Minor Importance
- D: Not Important at All

Question 18 — [Situational Judgement / importance]

Scenario: A GP, Grace, in emergency at Grace Medical Center is deciding whether to refer an anxious 73-year-old patient for an MRI scan for back pain, which is not clinically indicated. The patient has been experiencing symptoms for 6 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 19 — [Situational Judgement / appropriateness]

Scenario: A medical student, Amelia, is assigned to work with Robert on a dermatology research project at Valley View. Robert has not attended meetings or responded to group emails. The project is due in 14 days. How appropriate is the following action? Action: The student completes all of Robert'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 / importance]

Scenario: A junior doctor, Emma, in neurology at Community Health is considering whether to stay past her shift on a busy Saturday shift to finish routine paperwork. She has already worked 2 hours. How important is the following factor to consider? Factor: The doctor's current level of fatigue and its potential impact on accuracy.

- A: Very Important
- B: Important
- C: Of Minor Importance
- D: Not Important at All

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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.