



# Applaa UCAT Practice Mock 200

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;=200> 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: Public health campaigns in Portugal during the late twentieth century made significant progress in combating infectious diseases. In 1975, the incidence rate of Dengue Fever was recorded at 242 cases per 100,000 people. Following a nationwide distribution of protective nets and sanitation improvements, the rate fell to 155 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: In 2023, research conducted by researchers led by Prof. Alan Turing at the Materials Science Lab investigated the properties of Helium-3. 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 Helium-3 to 38 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: Helium-3 became commercially viable immediately following the trials led by Prof. Alan Turing.

- 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 1866, the annual production of wheat in Singapore stood at approximately 12 million metric tons. Following key infrastructure improvements and trade agreements with Poland, production in Singapore surged to 38 million metric tons by 1888. During this same period, Thailand emerged as the primary global importer of wheat, consuming over sixty percent of the total global export supply, although its domestic production remained minimal. Statement: The annual production of wheat in Singapore was higher in 1888 than it was in 1866.

- 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 Thailand during the late twentieth century made significant progress in combating infectious diseases. In 1973, the incidence rate of Yellow Fever was recorded at 241 cases per 100,000 people. Following a nationwide distribution of protective nets and sanitation improvements, the rate fell to 163 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 Thailand over ten million dollars.

- A: True
- B: False
- C: Can't Tell

**Question 5 — [Decision Making / venn\_deduction]**

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

- A: 10
- B: 5
- C: 8
- D: 13

**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 / 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 D to that of Dept C?

- A: 2:1
- B: 4:3
- C: 3:1
- D: 5:6
- E: 2:5

**Question 10 — [Quantitative Reasoning / chart\_interpretation]**

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

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

**Question 11 — [Quantitative Reasoning / table\_interpretation]**

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

- A: \$176.7k
- B: \$187.1k
- C: \$173.5k
- D: \$181.7k
- E: \$190.8k

**Question 12 — [Quantitative Reasoning / chart\_interpretation]**

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

- A: 3:5
- B: 4:13
- C: 2:5
- D: 1:3
- E: 3:4

**Question 13 — [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 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?

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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" /> <circle cx="51.5" cy="17.5" r="10.08" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> <circle cx="55.5" cy="50.5" r="10.08" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> <circle cx="15.5" cy="53.5" r="10.08" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> <circle cx="19.5" cy="15.5" r="10.08" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> </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 medical student, Lucy, at Mount Sinai is deciding whether to speak up during a consultation in neurology during a late-night shift when they notice a mistake in the treatment plan for a 72-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 18 — [Situational Judgement / importance]**

Scenario: A doctor, Amelia, in the general surgery clinic at Royal Hospital is treating a 16-year-old patient who presents with physical injuries on a busy Saturday shift. The teenager, who is accompanied by a relative, begs the doctor not to tell anyone. How important is the following factor to consider? Factor: The child protection and safeguarding duties of the medical team.

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

**Question 19 — [Situational Judgement / appropriateness]**

Scenario: A medical student, Lucy, is assigned to work with Charles on an endocrinology research project at General Infirmary. Charles has not attended meetings or responded to group emails. The project is due in 10 days. How appropriate is the following action? Action: The student completes all of Charles'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 medical student, Ella, at Memorial Hospital is writing up a clinical case study about a 57-year-old patient from their neurology rotation that lasted 7 weeks. How important is the following factor to consider? Factor: The student's personal opinion of the patient's lifestyle choices.

- 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;=200>

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.