



# Applaa UCAT Practice Mock 111

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;=111> 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 1940, the annual production of coal in Portugal stood at approximately 37 million metric tons. Following key infrastructure improvements and trade agreements with Nigeria, production in Portugal surged to 80 million metric tons by 1974. During this same period, Philippines emerged as the primary global importer of coal, consuming over sixty percent of the total global export supply, although its domestic production remained minimal. Statement: Philippines signed an official trade treaty with Portugal to secure its import of coal.

- 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 Dr. Chien-Shiung Wu at the Renewable Energy Research investigated the properties of Silicene. Initial experimental setups achieved an energy conversion efficiency of 28 percent. By refining the chemical vapor deposition process and reducing crystalline defects, the team successfully boosted the efficiency of Silicene to 47 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: Silicene became commercially viable immediately following the trials led by Dr. Chien-Shiung Wu.

- 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 1905, the annual production of sugar in Australia stood at approximately 23 million metric tons. Following key infrastructure improvements and trade agreements with Singapore, production in Australia surged to 55 million metric tons by 1924. During this same period, Czechia emerged as the primary global importer of sugar, consuming over sixty percent of the total global export supply, although its domestic production remained minimal. Statement: The annual production of sugar in Australia was higher in 1924 than it was in 1905.

- 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: In 2025, research conducted by researchers led by Prof. Alan Turing at the Astrophysics Division investigated the properties of Carbon-Nanotubes. 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 Carbon-Nanotubes 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: Carbon-Nanotubes became commercially viable immediately following the trials led by Prof. Alan Turing.

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

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

Based on the Venn diagram, how many members belong to AT LEAST two clubs/groups?

- A: 40
- B: 28
- C: 43
- D: 38

**Question 6 — [Decision Making / venn\_deduction]**

Based on the Venn diagram, how many members belong to AT LEAST two clubs/groups?

- A: 31
- B: 36
- C: 39
- D: 28

**Question 7 — [Decision Making / venn\_deduction]**

Based on the Venn diagram, how many members belong to AT LEAST two clubs/groups?

- A: 37
- B: 32
- C: 27
- D: 39

**Question 8 — [Decision Making / venn\_deduction]**

Based on the Venn diagram, how many members belong to AT LEAST two clubs/groups?

- A: 36
- B: 31
- C: 46
- D: 26

**Question 9 — [Quantitative Reasoning / table\_interpretation]**

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

- A: 44.4%
- B: 40.7%
- C: 35.3%
- D: 22.8%
- E: 50.3%

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

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

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

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

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

- A: \$138.4k
- B: \$121.1k
- C: \$124.3k
- D: \$134.7k
- E: \$129.3k

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

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

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

**Question 13 — [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 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 / 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 / appropriateness]**

Scenario: A medical student, Lucy, shadowing a consultant in neurology at Methodist Hospital hears them make a culturally insensitive comment to a colleague in private on Friday night. 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 18 — [Situational Judgement / appropriateness]**

Scenario: A medical student, Lily, at Hope Hospital finds a public social media page run by a peer that posts mocking descriptions of patients from their general surgery placement, which has 22 active beds. How appropriate is the following action?  
Action: The student likes the posts and shares them in a private group chat with other students.

- 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 junior doctor, Sarah, at Mercy Medical Center is running late on a busy Saturday shift. A 77-year-old patient arrives 20 minutes late for their appointment on a ward with 17 beds, and the receptionist asks how to proceed. How appropriate is the following action? Action: The doctor asks the receptionist to reschedule the patient for the next available clinic day.

- 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: A medical student, Mia, on a neurology placement at Northside Clinic is told by a 83-year-old patient in confidence on a busy Saturday shift that they plan to physically harm their partner later that day. How appropriate is the following action? Action: The student promises to keep this completely confidential to maintain the patient's trust.

- A: A very appropriate thing to do
- B: Appropriate, but not ideal
- C: Inappropriate, but not awful
- D: A very inappropriate thing to do

# 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;=111>

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.