



Applaa UCAT Practice Mock 66

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;=66> 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 2018, research conducted by researchers led by Dr. Aris Thorne at the Quantum Computing Lab investigated the properties of Helium-3. 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 Helium-3 to 44 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 at the Quantum Computing Lab was funded by a government scientific grant.

- 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 2020, research conducted by researchers led by Prof. Dorothy Hodgkin at the Materials Science Lab investigated the properties of Silicene. Initial experimental setups achieved an energy conversion efficiency of 26 percent. By refining the chemical vapor deposition process and reducing crystalline defects, the team successfully boosted the efficiency of Silicene to 51 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 Prof. Dorothy Hodgkin.

- 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: Public health campaigns in Venezuela during the late twentieth century made significant progress in combating infectious diseases. In 1991, the incidence rate of Cholera was recorded at 274 cases per 100,000 people. Following a nationwide distribution of protective nets and sanitation improvements, the rate fell to 175 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 Cholera to increase during the campaign.

- 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 Czechia during the late twentieth century made significant progress in combating infectious diseases. In 2004, the incidence rate of Tuberculosis was recorded at 169 cases per 100,000 people. Following a nationwide distribution of protective nets and sanitation improvements, the rate fell to 86 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 incidence rate of Tuberculosis per 100,000 people in Czechia decreased after the public health campaign.

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

Question 5 — [Decision Making / venn_deduction]

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

- A: 86
- B: 84
- C: 76
- D: 71

Question 6 — [Decision Making / venn_deduction]

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

- A: 74
- B: 87
- C: 77
- D: 67

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 B to that of Dept C?

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

Question 10 — [Quantitative Reasoning / chart_interpretation]

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

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

Question 11 — [Quantitative Reasoning / chart_interpretation]

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

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

Question 12 — [Quantitative Reasoning / chart_interpretation]

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

- A: \$270k
- B: \$290k
- C: \$260k
- D: \$240k
- E: \$250k

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 / 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?

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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;"> <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="16.5,4.9 29.1,17.5 16.5,30.1 3.9000000000000004,17.5" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="49.5,38.9 62.1,51.5 49.5,64.1 36.9,51.5" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="14.5,37.9 27.1,50.5 14.5,63.1 1.9000000000000004,50.5" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="51.5,7.9 64.1,20.5 51.5,33.1 38.9,20.5" fill="#888888" stroke="#000000" stroke-width="2" /> </svg>`

C: `<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="20.5,38.9 33.1,51.5 20.5,64.1 7.9,51.5" 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="54.5,5.9 67.1,18.5 54.5,31.1 41.9,18.5" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="17.5,4.9 30.1,17.5 17.5,30.1 4.9,17.5" fill="#888888" stroke="#000000" stroke-width="2" /> </svg>`

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Question 16 — [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" /> <rect x="4.42" y="40.42" width="20.16" height="20.16" rx="0" ry="0" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> <rect x="10.42" y="4.42" width="20.16" height="20.16" rx="0" ry="0" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> <rect x="43.42" y="44.42" width="20.16" height="20.16" rx="0" ry="0" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> <rect x="44.42" y="6.42" width="20.16" height="20.16" rx="0" ry="0" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> </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;"> <rect x="0" y="0" width="70" height="70" rx="4" ry="0" fill="#f8f9fa" stroke="#343a40" stroke-width="2" fill-opacity="1.0" /> <rect x="10.42" y="8.42" width="20.16" height="20.16" rx="0" ry="0" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> <rect x="9.42" y="43.42" width="20.16" height="20.16" rx="0" ry="0" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> <rect x="43.42" y="10.42" width="20.16" height="20.16" rx="0" ry="0" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> </svg>`

C: `<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" /> <rect x="5.42" y="41.42" width="20.16" height="20.16" rx="0" ry="0" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> <rect x="8.42" y="9.42" width="20.16" height="20.16" rx="0" ry="0" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> <rect x="40.42" y="44.42" width="20.16" height="20.16" rx="0" ry="0" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> <rect x="42.42" y="6.42" width="20.16" height="20.16" rx="0" ry="0" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> </svg>`

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" /> <rect x="10.42" y="42.42" width="20.16" height="20.16" rx="0" ry="0" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> <rect x="5.42" y="7.42" width="20.16" height="20.16" rx="0" ry="0" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> <rect x="43.42" y="10.42" width="20.16" height="20.16" rx="0" ry="0" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> </svg>`

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Question 17 — [Situational Judgement / importance]

Scenario: A doctor, Sarah, in the dermatology clinic at Valley View is treating a 16-year-old patient who presents with physical injuries on Wednesday evening. 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 18 — [Situational Judgement / appropriateness]

Scenario: A junior doctor, Alice, at Westside Clinic discovers that her close colleague, Gary, who has worked there for 5 months, has been falsifying overnight patient observation logs in psychiatry. How appropriate is the following action? Action: The doctor decides not to report it to protect her colleague's medical career.

- 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 / importance]

Scenario: A doctor, Grace, in the general surgery clinic at St. Anthony's 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 20 — [Situational Judgement / importance]

Scenario: A medical student, Mia, at General Infirmary is deciding whether to speak up during a consultation in dermatology on Sunday night when they notice a mistake in the treatment plan for a 75-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

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■ Section Complete!

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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.