



Applaa UCAT Practice Mock 9

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=9> 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 Germany during the late twentieth century made significant progress in combating infectious diseases. In 1987, 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 151 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 Germany over ten million dollars.

- 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 Norway during the late twentieth century made significant progress in combating infectious diseases. In 1971, the incidence rate of Yellow Fever was recorded at 178 cases per 100,000 people. Following a nationwide distribution of protective nets and sanitation improvements, the rate fell to 127 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 Yellow Fever to increase during the campaign.

- 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 Netherlands during the late twentieth century made significant progress in combating infectious diseases. In 1991, the incidence rate of Dengue Fever was recorded at 159 cases per 100,000 people. Following a nationwide distribution of protective nets and sanitation improvements, the rate fell to 91 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 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 2012, research conducted by researchers led by Dr. Aris Thorne at the Astrophysics Division investigated the properties of Carbon-Nanotubes. 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 Carbon-Nanotubes to 35 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 Astrophysics Division was funded by a government scientific grant.

- 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 EXACTLY one club/group?

- A: 70
- B: 57
- C: 64
- D: 62

Question 7 — [Decision Making / venn_deduction]

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

- A: 65
- B: 55
- C: 45
- D: 57

Question 8 — [Decision Making / venn_deduction]

Based on the Venn diagram, how many members belong to both Tennis and Athletics?

- A: 24
- B: 11
- C: 16
- D: 14

Question 9 — [Quantitative Reasoning / table_interpretation]

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

- A: \$194.7k
- B: \$189.7k
- C: \$200.1k
- D: \$209.7k
- E: \$203.8k

Question 10 — [Quantitative Reasoning / chart_interpretation]

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

- A: \$240k
- B: \$190k
- C: \$220k
- D: \$210k
- E: \$230k

Question 11 — [Quantitative Reasoning / chart_interpretation]

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

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

Question 12 — [Quantitative Reasoning / chart_interpretation]

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

- A: \$140k
- B: \$120k
- C: \$150k
- D: \$160k
- E: \$130k

Question 13 — [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;"> <g><line x1="40.0" y1="35" x2="10" y2="35" stroke="#000000" stroke-width="2" /><polygon points="60,35 40.0,25.0 40.0,45.0" fill="#000000" stroke="#000000" stroke-width="1" /></g> </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;"> <g><line x1="35" y1="40.0" x2="35" y2="10" stroke="#000000" stroke-width="2" /><polygon points="35,60 45.0,40.0 25.0,40.0" fill="#000000" stroke="#000000" stroke-width="1" /></g> </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;"> <g><line x1="30.0" y1="35" x2="60" y2="35" stroke="#000000" stroke-width="2" /><polygon points="10,35 30.0,25.0 30.0,45.0" fill="#000000" stroke="#000000" stroke-width="1" /></g> </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;"> <g><line x1="30.0" y1="35" x2="60" y2="35" stroke="#000000" stroke-width="2" /><polygon points="10,35 30.0,25.0 30.0,45.0" fill="#000000" stroke="#000000" stroke-width="1" /></g> </svg>`

E: `<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;"> <g><line x1="30.0" y1="35" x2="60" y2="35" stroke="#000000" stroke-width="2" /><polygon points="10,35 30.0,25.0 30.0,45.0" fill="#000000" stroke="#000000" stroke-width="1" /></g> </svg>`

Question 14 — [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" /> <circle cx="54.5" cy="50.5" r="10.08" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> <circle cx="15.5" cy="18.5" r="10.08" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> <circle cx="19.5" cy="54.5" r="10.08" 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" /> <circle cx="53.5" cy="52.5" r="10.08" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> <circle cx="15.5" cy="52.5" r="10.08" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> <circle cx="53.5" cy="15.5" r="10.08" 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" /> <circle cx="53.5" cy="49.5" r="10.08" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> <circle cx="20.5" cy="14.5" r="10.08" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> <circle cx="16.5" cy="54.5" r="10.08" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> <circle cx="54.5" cy="19.5" r="10.08" 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" /> <circle cx="19.5" cy="16.5" r="10.08" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> <circle cx="50.5" cy="16.5" r="10.08" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> <circle cx="54.5" cy="50.5" r="10.08" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> <circle cx="19.5" cy="54.5" r="10.08" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> </svg>`

E: `<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="17.5" cy="19.5" r="10.08" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> <circle cx="20.5" cy="49.5" 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="52.5" cy="17.5" r="10.08" fill="#888888" stroke="#000000" stroke-width="2" fill-opacity="1.0" /> </svg>`

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="53.5,60.84 63.32044,43.83 43.67956,43.83" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="14.5,7.16 24.320439999999998,24.17 4.67956,24.17" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="55.5,26.84 65.32044,9.83 45.67956,9.83" fill="#888888" stroke="#000000" stroke-width="2" /> </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" /> <polygon points="51.5,5.16 61.32044,22.17 41.67956,22.17" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="53.5,40.16 63.32044,57.17 43.67956,57.17" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="16.5,39.16 26.320439999999998,56.17 6.67956,56.17" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="16.5,30.84 26.320439999999998,13.83 6.67956,13.83" 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="17.5,39.16 27.320439999999998,56.17 7.67956,56.17" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="54.5,61.84 64.32044,44.83 44.67956,44.83" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="14.5,31.84 24.320439999999998,14.83 4.67956,14.83" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="55.5,28.84 65.32044,11.83 45.67956,11.83" fill="#888888" stroke="#000000" stroke-width="2" /> </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" /> <polygon points="53.5,60.84 63.32044,43.83 43.67956,43.83" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="50.5,7.16 60.32044,24.17 40.67956,24.17" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="15.5,31.84 25.320439999999998,14.83 5.67956,14.83" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="15.5,66.84 25.320439999999998,49.83 5.67956,49.83" fill="#888888" stroke="#000000" stroke-width="2" /> </svg>`

E: `<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="18.5,26.84 28.320439999999998,9.83 8.67956,9.83" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="55.5,64.84 65.32044,47.83 45.67956,47.83" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="20.5,66.84 30.320439999999998,49.83 10.67956,49.83" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="51.5,28.84 61.32044,11.83 41.67956,11.83" fill="#888888" stroke="#000000" stroke-width="2" /> </svg>`

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 / importance]

Scenario: A junior doctor, Chloe, has been asked by a colleague to swap a scheduled on-call shift in neurology at St. Vincent's so the colleague can attend an event on Thursday morning. How important is the following factor to consider? Factor: The specific personal reason the colleague wants to swap the shift.

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

Question 18 — [Situational Judgement / importance]

Scenario: A GP, Hannah, in emergency at St. Jude's Hospital is deciding whether to refer an anxious 82-year-old patient for an MRI scan for back pain, which is not clinically indicated. The patient has been experiencing symptoms for 3 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 / importance]

Scenario: A medical student, Grace, at University Hospital is deciding whether to raise a complaint about a consultant in psychiatry who is consistently 23 minutes late to teaching sessions. How important is the following factor to consider? Factor: How popular the consultant is among the rest of the student cohort.

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

Question 20 — [Situational Judgement / appropriateness]

Scenario: A junior doctor, Emily, at City General Infirmary discovers that her close colleague, Mark, who has worked there for 12 months, has been falsifying overnight patient observation logs in geriatrics. 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

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