

16+ ACADEMIC SCHOLARSHIP EXAMINATION



SOLIHULL

SAMPLE QUESTIONS

16+ Academic Scholarship Examination Sample Questions

Guidance

The general academic scholarship paper is a one-hour multiple choice paper designed to test critical thinking and problem-solving skills. There will be 30 questions on the paper, similar in format to the examples here. All questions will be worth one mark. Candidates may choose to answer the questions on the paper in any order they like.

Sample Questions

1. At a quiz night, the scoring system is as follows: 3 points for a correct answer, -1 point for an incorrect answer and 0 points for no answer. After 5 questions, the team scores are as follows:

The Artful Artists 12
The Brain Busters 8
The Crafty Cockneys 10
The Demon Divas 6
The Enigmatic Engineers 7

One team had had 2 points deducted for being caught in possession of a switched-on mobile phone. Which team was it?

- A** The Artful Artists
- B** The Brain Busters
- C** The Crafty Cockneys
- D** The Demon Divas
- E** The Enigmatic Engineers

2. Jane has a dog called Pilot. Jane feeds Pilot with Wagalot Meaty Chunks, which is only available in 500g cans, and Happidog Biscuit Mixer, which comes in 6 kg bags.

Pilot eats $1\frac{1}{2}$ cans of Wagalot and 250 g of Happidog every day.

Whenever Jane buys a bag of Happidog, she buys as many cans of Wagalot as she needs to last the same length of time.

How many cans of Wagalot does Jane buy when she buys a bag of Happidog?

A 8

B 12

C 16

D 24

E 36

3. Brazil nuts are an important source of selenium, a mineral that research suggests is a major contributor to the prevention of certain types of cancer. If people do not include brazil nuts in their diet they are failing to take all the steps they could to protect their health. It is irresponsible, therefore, not to eat brazil nuts.

Which of the following identifies the main **flaw** in the above argument?

A Brazil nuts may contain many calories and may be fattening.

B Eating brazil nuts may not be sufficient to prevent cancer.

C Eating brazil nuts may not be the only source of selenium.

D The research mentioned is not documented sufficiently.

E The connection between selenium in the diet and lower rates of cancer may just be coincidental.

4. Statements about the future are not all of the same kind. Some are predictions; some are statements of intent. The difference is that a prediction simply says what is going to happen, whereas a statement of intent says what the speaker plans to do or make happen. Therefore, when Paola announced she was going to compete in the Sydney Marathon, she was obviously just stating her intention, but when she said she was going to win, that could only have been a prediction. No statement can be both.

Which of the following, if true, would most **weaken** the above argument?

- A** When meteorologists state that there will be strong winds the next day, it doesn't mean they intend the winds to be strong.
- B** Some claims about the future are neither predictions nor statements of intent.
- C** Paola could not possibly have known whether she would win the marathon or not.
- D** When Paola predicted that she would win, she was also determined to make it happen.
- E** The difference between a prediction and an intention is just in the mind of the speaker.