

**PART 3      Questions 21–30****Questions 21–25**

Choose the correct letter, **A**, **B** or **C**.

**Science experiment for Year 12 students**

- 21 How does Clare feel about the students in her Year 12 science class?
- A** worried that they are not making progress
  - B** challenged by their poor behaviour in class
  - C** frustrated at their lack of interest in the subject
- 22 How does Jake react to Clare's suggestion about an experiment based on children's diet?
- A** He is concerned that the results might not be meaningful.
  - B** He feels some of the data might be difficult to obtain.
  - C** He suspects that the conclusions might be upsetting.
- 23 What problem do they agree may be involved in an experiment involving animals?
- A** Any results may not apply to humans.
  - B** It may be complicated to get permission.
  - C** Students may not be happy about animal experiments.
- 24 What question do they decide the experiment should address?
- A** Are mice capable of controlling their food intake?
  - B** Does an increase in sugar lead to health problems?
  - C** How much do supplements of different kinds affect health?
- 25 Clare might also consider doing another experiment involving
- A** other types of food supplement.
  - B** different genetic strains of mice.
  - C** varying amounts of exercise.

### Test 3

#### Questions 26–30

Complete the flowchart below.

Choose **FIVE** answers from the box and write the correct letter, **A–H**, next to Questions 26–30.

- |          |              |
|----------|--------------|
| <b>A</b> | size         |
| <b>B</b> | escape       |
| <b>C</b> | age          |
| <b>D</b> | water        |
| <b>E</b> | cereal       |
| <b>F</b> | calculations |
| <b>G</b> | changes      |
| <b>H</b> | colour       |

