

Answers and marking guidance

Award one mark per correct, developed point unless stated. Other valid answers should be credited.

2 Describe how ergonomics has influenced the design of the car interior. To gain full marks you must refer to anthropometrics, physiology and psychology.

- Anthropometrics: seat slides so drivers of different leg lengths reach the pedals
- Anthropometrics: steering wheel rim diameter suits grip
- Physiology: power steering reduces the force needed to turn
- Physiology: lumbar support reduces back strain on long journeys
- Psychology: warning lights in red signal danger
- Psychology: a click confirms the indicator is on

No marks for: All three areas needed for full marks; max 4 from one area; Body part must be linked to a product part

3 Quick check

- a) 5th
- b) Psychology
- c) Physiology
- d) Guard over moving blades

4 Key terms

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

5 Explain what is meant by 'CE marking'.

- Shows the product meets European safety, health and environmental requirements.

6 Explain what is meant by 'BSI'.

- British Standards Institution: sets and regulates standards for products.