

Helping you Achieve Highest Grades in IB

IB Design Technology Higher Level (HL)

Question Paper

Fully inlined with first assessment 2016 and suitable for
students sitting exams 2026+

Paper: 1

Multiple Choice Questions on Core Material

Topic 1 - Human Factors and Ergonomics

Marks: 5

Total Marks: / 5

Suitable for HL Students sitting the 2026 exams onwards
However, SL students may also find these resources useful

Questions

19M.1.HL.TZ0.3

If you were designing a cell/mobile phone which of the following anthropometric data would be relevant?

- I. Width of hand
- II. Stature
- III. Grip diameter

- A. I and II
- B. I and III
- C. II and III
- D. I, II and III

20N.1.HL.TZ0.2

Which of the following is a biomechanical consideration?

- A. Torque
- B. Alertness
- C. Static data
- D. Adjustability

19N.1.HL.TZ0.3

Which part of the human information processing system would most likely be responsible for a user forgetting how to operate a product?

- A. Motor processes
- B. Input processes
- C. Sensory processes
- D. Central processes

18N.1.HL.TZ0.3

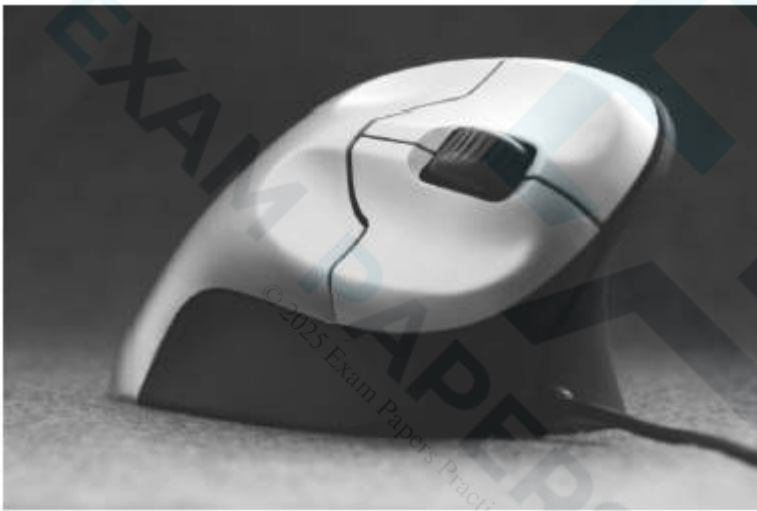
What percentile range for thumb length would be used in the design of a smartphone screen?

- A. 50th percentile
- B. 95th percentile
- C. 5th–95th percentile
- D. 5th percentile

18M.1.HL.TZ0.2

What physiological factor are the designers attempting to address in the creation of the Wow-pen mouse shown in **Figure 1**?

Figure 1: A Wow-pen mouse



[Source: brollymedia/iStock]

- A. Endurance
- B. Biomechanics
- C. Tolerance
- D. Comfort and Fatigue