

# Design & Technology

## AQA GCSE

# People

### Materials required for questions

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- Pencil
- Rubber
- Calculator

### Instructions

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- Use black ink or ball-point pen
- Try answer all questions
- Use the space provided to answer questions
- Calculators can be used if necessary
- For the multiple choice questions, circle your answer

### Advice

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- Marks for each question are in brackets
- Read each question fully
- Try to answer every question
- Don't spend too much time on one question

# Good luck!

**Q1.** 'Technology push' describes when products are developed

- A** Due to improvements in new materials
- B** Due to increased consumer demand
- C** In response to consumer feedback

**Q2.** Which scenario exemplifies "market pull"?

- A** A pharmaceutical company developing mRNA technology
- B** Consumers demanding longer smartphone battery life
- C** Engineers creating a more efficient solar panel

**Q3.** How did the rise of cloud computing most significantly change IT job roles?

- A** Eliminated all programming jobs
- B** Shifted focus from hardware maintenance to cloud architecture
- C** Made on-premise servers more important

**Q4.** Which factor most complicates workforce adaptation to technological change?

- A** Skills becoming obsolete faster than education systems can adapt
- B** The predictable pace of innovation
- C** Consistent demand for legacy skills

**Q5.** Explain how technological changes can create both new job opportunities and job losses in an industry. Use examples to support your answer **(4 marks)**

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## **Answers**

**Q1. A**

**Q2. B**

**Q3. B**

**Q4. A**

**Q5.**

- Job losses identified (e.g., automation replaces routine tasks)
- Job opportunities identified (e.g., new tech creates demand for skilled roles)
- Example given for job loss (e.g., self-checkouts reducing cashier jobs)
- Example given for job creation (e.g., AI trainers needed for machine learning systems)