

**Design & Technology**  
**AQA A-Level**

**Performance**  
**characteristics of**  
**papers and boards**

**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.** Which paper is specifically designed to prevent ink from spreading during marker rendering?

- A**      Layout paper
- B**      Tracing paper
- C**      Bleed proof paper

**Q2.** Corrugated card is widely used in packaging due to its:

- A**      Smooth surface for printing
- B**      High impact resistance
- C**      Biodegradability only

**Q3.** Which type of board is often used for food packaging due to its grease-resistant properties?

- A**      Mount board
- B**      Duplex card
- C**      Foil-backed card

**Q4.** What makes tracing paper suitable for copying images?

- A**      Its rough texture
- B**      Its translucency
- C**      Its thickness

**Q5.** Name a specific application for each of the following materials **(3 marks)**

Bleed proof paper

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Duplex card

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Moulded paper pulp

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**Q6.** Explain two reasons why corrugated cardboard is used as packaging for cooked pizzas **(4 marks)**

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## Answers

Q1. C

Q2. B

Q3. B

Q4. B

Q5.

Bleed proof paper

- Drawing and sketching
- Rendering with marker pens
- Using waterbased inks

Duplex card

- Food packaging (due to its waxy / glossy coating)
- Disposable plates and cups
- Applications where recycled board would be unsuitable

Moulded paper pulp

- Take away cup carriers
- Protective packaging
- Food packaging – egg boxes

Q6.

- Strength to weight ratio so that it can be easily carried but supports the weight of the pizza
- Low cost in comparison to other packaging materials which makes it cost effective for retailers
- Can be printed on so takeaways and restaurants can display their logos
- Rigid materials that won't flex and bend as easily as other types of cardboard – offers protection to the pizza.
- Thermal properties – keep pizza warm