**Design & Technology**

**AQA A-Level** Logo

Description automatically generated with low confidence

**Performance characteristics of papers and boards**

**Materials required for questions**

* Pencil
* Rubber
* Calculator

**Instructions**

* 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**

* 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

Duplex card

Moulded paper pulp

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

**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