

Year 11 Revision for Mock Exam December 2019

Section A is the multiple choice section:

- What is an input in a system?
- What is compression, shear, tension and torsion?
- What is an aluminium alloy, copper, low carbon steel and zinc?
- What is CAM, Flexible manufacturing, Integrated manufacturing and Just in time manufacturing?
- What is balsa wood, medium density fibre board, silk and urea formaldehyde?
- What is a smart material?
- What is planned obsolescence?
- What is a thermosetting polymer?
- What is a softwood?
- Name two properties of natural fibres that make them suitable for clothing? Explain why?
- Why is corrugated cardboard used in packaging for cooked pizzas?
- What is a renewable energy source? Explain why the use of this has increased.
- Why are people opposed to the use of renewable energy sources?

Section C Designing and making Principles

- What is aesthetics?
- What is ergonomics?
- What is anthropometrics?
- Why is data used to influence the way a product is designed?
- Why is a design specification important when designing products?
- Name a way you could design a model of your product?
- Explain why designer create models of their designs before final manufacture?