

Mock Paper ONE - 2018 Revision List

Systems approach - Input, Process and Output	1. 1mk
4 types of forces	2. 1mk
Characteristics of ferrous and non-ferrous metals	3. 1mk
Scales of production, CAD and CAM	4. 1mk
Materials used for modelling	5. 1mk
Understanding the term Smart Materials	6. 1mk
Products disassembly, maintenance, manufacture and obsolescence	7. 1mk
Examples of thermosoftening and thermo-setting polymers	8. 1mk
Levers and pivots	9. 1mk
Examples of softwoods and hardwoods	10. 1mk
Advantages of natural and manmade textiles	11. 2mks
Properties of different papers and cards used for food packaging	12. 2mks
Benefits of renewable energy	13.1 2mks
Disadvantages of renewable energy	13.2 2mks
Understanding how to use ratios	13.3 2mks
Know the source for the 5 material groups	14. 5mks
Strengthening and reinforcing products made with the 5 material groups	15. 4mks
Understand the 5 scales of production	16.1 4mks
Understand how to manufacture a product made from of the 5 material groups	16.2 5mks
Know the characteristics of 3 woods, metals, polymers, papers and textiles	17 2mks
Understand Fair Trade, the 6Rs, Ethical decisions when making a product	18. 10mks
Understand each of the letters of ACCESS FM	19.1 4mks
Evaluate a product against ACCESS FM	19.2 4mks
Understand and apply Ergonomics to a product	19.3 4mks
Understand and apply Anthropometrics to a product	20.1 4mks
Understand and apply Anthropometrics to a product	20.2 4mks
Understand percentages	21.1 1mks
Drawing pie charts, bar graphs and histograms	21.2 2mks
Using data from research to develop a product	21.3 3mks
Developing a standard product used by an adult for a child	22.1 8mks
Purpose of having a product specification	22.2 3mks
Modelling ideas	23.1 1mks
Purpose of modelling/prototyping	23.2 3mks
Drawing orthographic and isometric pictures	24 5mks
Nesting and tessellation of shapes to save materials	25.1 1mks
Calculating area of triangles and quadrilaterals	25.2 3mk