

Production Questions

1. Explain the advantages and disadvantages of industrial processes used for volume productions (6)

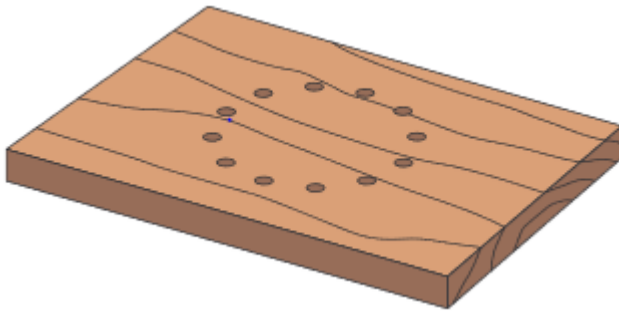


Wooden bookcase



Side of bookcase

2. Produce a labelled drawing of a simple drilling jig that would be used when drilling the holes into the sides of the wooden bookcase (4)
3. Explain the advantages of using jigs, moulds and templates when manufacturing products (8)
4. A local manufacturing company makes one off furniture using traditional methods. Write an article explaining the advantages and disadvantages of changing to CAM techniques. (10)
5. Explain the term one off production and give example of products to illustrate your answer (4)
6. Explain the term batch production and give examples of products to illustrate your answer (4)
7. Explain the term continuous production and give examples of products to illustrate your answer (4)
8. Designers can make use of CAD software to produce virtual models of their designs. Explain the advantages and disadvantages of using CAD for virtual modelling instead of traditional modelling techniques. (8)



9. Produce a labelled drawing of a simple drilling jig that would allow 100 similar wooden blocks to be drilled (5)
10. Explain how the use of jigs, moulds and template affect the manufacture of products (8)

Engagement ring

Mountain bike

Soft drink can



11. Explain why an engagement ring would be made by one off production (4)

12. Explain why a mountain bike would be made by batch production (4)
13. Explain why a soft drink can would be made by continuous production (4)