

The actual Exam

The sample exam can be found here:-

<https://www.ocr.org.uk/Images/153193-unit-r109-engineering-materials-processes-and-production-sample-assessment-material.pdf> -

Many of the past papers follow a similar format.

The first section is about materials and their properties. These are short answer questions and some multiple choice.

The second section is about specific products and their chosen materials and suitable properties. Short answer questions.

The third section is about machinery and risk assessment. Short answer questions.

The fourth section is about production planning for a product.

The fifth section is about components and methods to join materials together. Short answer questions.

The sixth and final section is about modern manufacturing processes and concepts. Longer answer questions.

Tip 1 Make sure you use clear short sentences that have good accuracy. Consider what information might help you to show the examiner you fully understand the question. It's important to confidently say why you've come to any conclusions.

Tip 2 Don't spend time writing an introduction to your answer, as it's much more important to get as much information down as possible and you may not have much time.

Tip 3 Your answer should be well-organised and structured, and written in a logical way - so consider your answer before you start.

Tip 4 If you're not sure what the question is asking you, cross out the words you don't know and see what's left - can you recognise key words or concepts that you can write about?

Tip 5 Try not to repeat yourself. This wastes time as you can't get double marks for the same thing.

Maths and Science

Tip 6 You need to be able to demonstrate mathematical and scientific knowledge and understanding in relation to Engineering Manufacture..

Tip 7 Make sure you show your working out - even if you don't get the correct answer, in many cases you can gain marks from the methods you use to try or the stages you go through. If you find these questions particularly difficult or time-consuming, you might wish to leave them to the end when you can really focus on them.

Tip 8 Timing. Keep an eye on the clock. Think about how long you normally take in practice tests and make sure you don't go over this time on each section. If you don't know the answer to a question, don't let it put you off - leave it and come back to it at the end.

Tip 9 Do not answer questions you do not understand. Go back to these at the end of the test.

Tip 10 If you have time go back over the questions. Re-read them. Have you answered the question fully?