

How do businesses turn resources into products, efficiently and sustainably?

Syllabus sections 4.1 Production · 4.2 Technology · 4.3 Sustainable production

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Running case: Al Noor Frames · 55 minutes

How this topic is examined

Paper 1 • Short answer and data response

Define [2] • Identify [2] • Calculate [2]

Outline [4] • Explain [6]

Explain one... Recommend... [6]

Do you think... Justify your answer [6]

Paper 2 • Case study

Explain two benefits / problems... [8]

Consider two ways to achieve lean production. Which should the business choose? Justify your answer [12]

Typical questions on this topic

Define 'productivity', 'job production' or 'flow production'. [2]

Identify two benefits to a business of using flow production. [2]

Outline one advantage and one disadvantage to [business] of using just-in-time inventory control. [4]

Explain one advantage and one disadvantage to [business] of using batch production. [6]

Do you think flow production is the best method for a manufacturing business? [6]

Consider two ways [business] could achieve lean production. Which should it choose? [12]

By the end of this lecture you can...

- 1 Explain productivity and efficiency, and calculate labour productivity.
- 2 Compare job, batch and flow production, and choose a method.
- 3 Explain lean production, kaizen and just-in-time.
- 4 Explain why inventory levels matter.
- 5 Explain how technology affects production, businesses and employees.
- 6 Explain sustainable production and its costs and benefits.

END OF PREVIEW

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