

## Sector 2 Food and Drink, Biological and Chemical

The written examination paper is split into two sections.  
Section A is worth 50 marks and Section B is worth 60 marks.

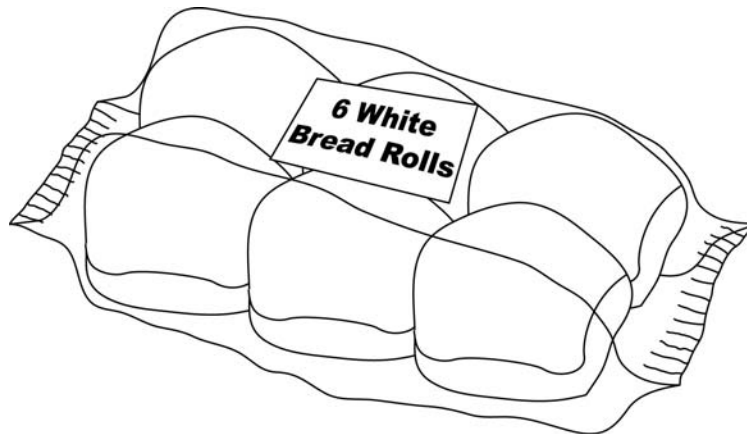
**In Section A** you will need to answer a range of general questions.

To prepare for Section A, you should study and understand the design and manufacture of a range of mass produced products belonging to and used in the *food and drink ,biological and chemical* sector.

You should be able to:

- Name and identify products from this sector including appropriate uses and applications
- Identify a range of ingredients and materials used in the manufacture of food and drink, biological and chemical products and their uses
- Identify the stages in manufacturing products from this sector
- Name and understand the functions of modern materials used in products in this sector
- Identify, apply and evaluate new technologies including CAD/CAM, ICT, systems and control technology and CIM
- Know and understand the benefits new technology can have on a company relating to communications, control of production, automation, retailers and consumers
- Know how old technology has been replaced by new technology

For **Section B** you should carry out research into the stages in manufacturing **mass produced packs of bread rolls**.



You should be able to:

- Identify the ingredients and raw materials used in packs of bread rolls and explain their functions
- Name and explain the functions of modern materials and their impact on product characteristics and the environment
- Explain and identify appropriate processes including mixing dough when manufacturing the product
- Name and describe the stages in manufacture
- Explain the purpose of packaging and labelling
- Explain the impact of quality and computer control when used in production and packaging and dispatch.
- Explain how ICT is used and impacts on the stages of manufacturing the packs of bread rolls
- Explain how new technologies impact on ingredients and raw materials supply and control, the workforce and the working environment.

You should also familiarise yourself with the *Detailed unit content* section of the GCSE specification – Unit 3: Application of Technology in Manufacturing.