



## Question Paper

<b>Module 4:</b>	<b>Product Handling, Storage and Distribution</b>	
Date: <b>14 May 2018</b>	Time: <b>09:30 – 11:30</b>	Duration: <b>2 Hours</b>

You should have the following for this examination: **answer book and pen.**

All questions carry equal marks. The maximum marks for each section within a question are shown.

Answer **ALL EIGHT** questions, starting each question (1-8) on a **new** page in the answer book.

1.
  - a) Explain the decline in bagged flour consumption in the UK and Europe. (1 mark)
  - b) Outline THREE advantages and THREE disadvantages of packing from bulk bins as opposed to packing directly from the mill. (6 marks)
  - c) Define the term “bridging” when applied to flour storage bins. (1 mark)
  - d) Describe the design considerations to prevent bridging in:
    - i) Rectangular or square bins; (2 marks)
    - ii) Cylindrical bins. (2 marks)
2.
  - a) Describe SIX factors that should be considered when planning entry to a storage bin. (6 marks)
  - b) Explain the importance of regular bin cleaning. (3 marks)
  - c) Outline THREE advantages of a flour blending system. (3 marks)
3.
  - a)
    - i) State the TWO pieces of UK legislation that apply to the weight of filled flour bags. (2 marks)
    - ii) Describe the operation of an in-line check weigher. (4 marks)
    - iii) Outline TWO other steps that must be taken to ensure bags are not delivered below the minimum weight requirements. (2 marks)
  - b) Outline FOUR disadvantages of using a lined Minibulk container (FIBC). (4 marks)

*continued overleaf*

4. a) i) Describe the operation of a pallet inverter. (3 marks)  
 ii) List SIX tasks for which a pallet inverter can be used. (6 marks)  
 b) List THREE methods of storing unit loads of flour in a warehouse. (3 marks)
5. a) Describe THREE methods of stitching a flour bag. (6 marks)  
 b) Describe SIX factors which should be taken into account when choosing a sack design. (6 marks)
6. a) i) List THREE activities for which a forklift truck may be used. (3 marks)  
 ii) For EACH activity, explain which type of truck is the most likely to be used. (3 marks)  
 b) List SIX reasons why a customer may return goods. (6 marks)
7. a) i) State why accurate stock control is important. (2 marks)  
 ii) Describe how bulk flour stocks are checked. (2 marks)  
 iii) Describe how bagged flour stocks are checked. (2 marks)  
 b) Outline SIX criteria which apply to the loading of bagged vehicles. (6 marks)
8. a) Describe THREE alternative pest control methods developed to overcome insect resistance to Phosphine and the withdrawal of Methyl Bromide. (6 marks)  
 b) List FOUR records that should be kept to demonstrate the control of insect infestation. (4 marks)  
 c) Explain the term "bait shyness". (2 marks)