

4.

a)

b)

stacked on a pallet.

## **Question Paper**

Module 4:		4: Product Handl	Product Handling, Storage and Distribution		
Date: <b>08 May 2017</b>		Time:	Duration:		
		017 09:30 – 11:30	2 Hours		
You	should	I have the following for this ex	xamination: one answer book; pencil, pen an	d ruler.	
	•	· ·	aximum marks for each section within a questine ach question (1-8) on a <b>new</b> page in the answe		
1.	a)	i) State the minimum reco	ommended diameter of a bulk storage bin.	(1 mark)	
		ii) Explain why this is the r	ecommended minimum.	(5 marks)	
	b)	Outline SIX advantages of s	steel silo construction compared to concrete.	(6 marks)	
2.	a)	State TWO basic procedure finished products.	es used by the miller to produce consistent	(2 Marks)	
	b)	Describe the THREE main t	ypes of mixer used in flour blending systems.	(6 marks)	
	c)	Describe briefly FOUR prac of wheatfeed.	tices which ease the storage problems	(4 marks)	
3.	a)	i) State TWO reasons for p	placing a magnet prior to a redressing machin	<b>e.</b> (1 mark)	
		ii) Outline the reasons for	installing a redresser in the packing process.	(1 mark)	
		iii) Describe the operation	of a drum type redresser.	(4 marks)	
	b)	Describe briefly SIX factors	to be considered when choosing a sack desig	n. (6 Marks)	

continued overleaf

(6 marks)

(6 marks)

Sketch and name SIX possible configurations of filled flour bags

List SIX key considerations when selecting a type of pallet to be used.

5.	a)	List TWO advantages and TWO disadvantages of block stacking in a warehouse.	(4 marks)
	b)	Outline FIVE safety rules that apply to the use of a forklift truck.	(5 marks)
	c)	Describe briefly THREE factors to be considered when designing the layout of a warehouse.	(3 marks)
6.	a)	i) Outline THREE disadvantages of manual palletisation.	(3 marks)
		ii) Outline THREE disadvantages of automatic palletisation.	(3 marks)
	b)	List SIX factors to be considered when setting up a warehouse management system.	(6 marks)
7.	a)	With the aid of sketches, describe the TWO main types of bulk flour tanker.	(6 marks)
	b)	Describe the method used to discharge mini bulk containers.	(6 marks)
8.	a)	Describe THREE methods of space treatment to control flying moths and other exposed insects.	(6 marks)
	b)	List THREE methods used to control bird pests.	(3 marks)
	c)	Describe briefly TWO rodenticides which may be used around the mill.	(3 marks)