

Question Paper

Module 5:		Flour					
Date:			Time:		Duration:		
14 N	/lay 2	2019	09:30 -	- 12:00	2½ hours		_
				_	examination: answer book, pe	•	
		•	•		aximum marks for each sectio each new question (1-7) on a n	•	
1.	a)	State wh	o is the u	ltimate ju	dge of flour quality.		(1 mark)
	b)			mate perc flour mill.	entage (%) of saleable co-proc	lucts	(1 mark)
	c)				s are collected into three conv or EACH conveyor.	veyors,	(6 marks)
	d)	-	vhy it is c the custo		realistic flour specifications a	re agreed	(4 marks)
2.	a)				ed to be considered when set ur mill site.	ting up	(6 marks)
	b)	Describe	the facto	rs that co	uld produce high mycotoxin le	evels in wheat.	(3 marks)
	c)	Describe	briefly w	hy and ho	w a crude fibre test is carried	out.	(3 marks)
3.		-	_	cance of S wheat int	IX different quality tests that a	may be	(12 marks)
4.	a)	Describe	briefly SI	X key fact	ors that make flour a complex	ingredient.	(6 marks)
	b)	Explain v	-	ontent is r	ot widely used in the UK for a	analysis	(2 marks)
	c)	Describe	briefly th	ne operati	on of a scanning Near Infra-Re	ed (NIR) machine.	(4 marks)

continued overleaf

5.	a)	Name TWO tests for protein quality.	(2 marks)
	b)	Describe briefly all FOUR measurements provided by an alveograph.	(4 marks)
	c)	Describe the characteristics of good breadmaking flour.	(6 marks)
6.	a)	i) List the FOUR stages of the breadmaking process.	(2 marks)
		ii) Describe one of the stages in detail.	(4 marks)
	b)	List TWO examples of enriched fermented products.	(2 marks)
	c)	List TWO causes of a loaf of bread being too large.	(2 marks)
	d)	List FOUR reasons for internal coarse texture in bread.	(2 marks)
7.	a)	Describe briefly the flour and process used for manufacturing bagels.	(3 marks)
	b)	Describe briefly why short-dough biscuits do not have a developed gluten network.	(3 marks)
	c)	Describe:	
		i) a chapatti;	(1 mark)
		ii) a tortilla.	(1 mark)
	d)	In the form of a table, list the ingredients and % by flour weight of sweet short pastry and savoury short pastry.	(4 marks)