THE OPEN UNIVERSITY OF SRI LANKA

B.Sc. DEGREE PROGRAMME

INDUSTRIAL CHMEISTRY - CHU3237

FINAL EXAMINATION - 2015/16

Duration: Three hours (03)

Date: 15.01. 2017



Time: 9.30 a.m. - 12.30 p.m.

Thic	guestion	naner	consists	of two	narte	Part I	and	Dart	TT
THIS	auestion	Daper	COHSISTS	or two	Darts.	Part 1	anu	rari	11.

- Part I consists of **15 short questions**; recommended time to complete this part is **one** hour.
- Part II consists of six (06) questions; you are expected to answer four (04) questions. Recommended time to complete this part is two hours.

Part I (40 marks)

Index Number:	Staff signature:	•••••
Answer all questions.		
1. What is meant by "metal finishing"?		•
2. Write down two types of metal finishing.		(02 marks)
3. State the role of fluxes in a glass mixture. G	•	
••••••		

	(03 marks)
4. Write down the main steps in production of ceramic ware.	
	•••••
	•••••
	(04 marks)
5. Distinguish between cement and mortar.	
	(04 marks)
	(04 mai ks)
6. Identify the crystalline phase(s) responsible for	
Early strength	
Slow setting	
	(04 marks)
	(or marks)
7. What are the major components of the oils derived from the following spices?	
Nutmeg:	••••
Ginger:	•••
	(02 marks)
8. Name the chief colouring matter of	
Chilies:	
Turmeric:	

(0	2 marks)
9. Draw the full structure of the following fatty acid.	
C 18:2 Δ9c, 12c	
	2 marks)
10. Briefly explain the term "slip point" of fats.	-
······································	
······································	•••••••
(0	3 marks)
11. Write important characteristics that determine the quality of the table salt.	
	•••••
(0	2 marks)
12. How do you achieve those important characteristics (mentioned in Q.11) in the natu	ral salt?
	4 marks)
13. What is meant by the term "cracking" of petroleum?	
	•••••
	•••••
	• • • • • • • • • • • • • • • • • • • •
)2 marks)

(02 magnitud		
(02 marks		
	ajor technique used to refine petroleum?	,
