	NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY FACULTY OF THE BUILT ENVIRONMENT DEPARTMENT OF QUANTITY SURVEYING INTRODUCTION TO CONSTRUCTION MATERIALS II			
	AAR 1208			
Main Examination Paper				
May 2015				

This examination paper consists of 3 pages

Time Allowed: 2 hours

Total Marks: 100

Examiner's Name: Mr M.Zhou

INSTRUCTIONS

- 1. Answer any four (4) questions
- 2. Each question carries 25 marks

MARK ALLOCATION

QUESTION	MARKS
1.	25
2.	25
3.	25
4.	25
5.	25

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QUESTION 1

a) Discuss the following terms in relation to plastering.			
	i.	Efflorescence	(2 marks)
	ii.	Suction	(2 marks)
	iii.	Curing	(2 marks)
b)	Outlin	ne the plastering process.	(15 marks)
c)	Distir	nguish between plaster and mortar	(4 marks)
QI	UESTI	ON 2	

a)	Explain the components of paint.	(10 marks)
b)	Briefly explain why Polyvinyl chloride (PVC) pipes are used in the construct greater extent as compared to other form of pipes	ion industry to a (10 marks)
c)	Discuss the shortcomings of PVC as a construction material.	(5 marks)

QUESTION 3

a)	Discuss the various factors that are considered when deciding on floor and wa building.	ll finishes for a (13 marks)
b)	Describe the manufacturing process of glass	(12 marks)
QU	JESTION 4	
a)	Explain the difference between thermoplastics and thermo-setting plastics and examples of where they can be used.	also give (10 marks)
b)	Giving practical examples, discuss the functions of paint in the built environment	
		(7 marks)

c) Discuss the defects that emanate from poor workmanship in painting (8 marks)

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QUESTION 5

a)	Describe any three different types of floor tiles	(10 marks)

b) With the aid of relevant examples, give any five types of glass that are used in the construction industry and places where they are used. (15 marks)

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