



**NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY**

**FACULTY OF THE BUILT ENVIRONMENT**

**DEPARTMENT OF QUANTITY SURVEYING**

**INTRODUCTION TO CONSTRUCTION MATERIALS II**

**AAR 1208**

**Supplementary Examination Paper**

**July 2015**

This examination paper consists of 2 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**

<b>QUESTION</b>	<b>MARKS</b>
1.	25
2.	25
3.	25
4.	25
5.	25

### **QUESTION 1**

Compare the performance of various materials that can be used to make pipes for use in building construction. (25 marks)

### **QUESTION 2**

- a) Differentiate, with use of examples, paints and vanishes. (15marks)
- b) Explain the production of any two classes of gypsum. (10 marks)

### **QUESTION 3**

- a) Briefly describe at least three different types of tiles & how they are manufactured. (15 marks)
- b) Describe the process of painting. (10 marks)

### **QUESTION 4**

- a) A client has asked you to do a survey of the exterior condition of a building. Discuss five defects that could be expected on plaster (15 marks)
- b) Which floor and wall finishes would you recommend for a bathroom? Give reasons for your answer. (10 marks)

### **QUESTION 5**

Discuss the different types of plastics that are used as building materials, justify their use in relation to their general properties. (25 marks)