

NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY
FACULTY OF ARCHITECTURE AND QUANTITY SURVEYING

DEPARTMENT OF ARCHITECTURE
BACHELOR OF ARCHITECTURAL STUDIES (HONOURS) DEGREE

PART I END OF SECOND SEMESTER EXAMINATIONS – JUNE 2004
AAR 1204 – INTRODUCTION TO MATERIALS AND CONSTRUCTION

Instructions

Time : 2 Hours

Answer question 1 and any other two.

QUESTION 1

- a) Discuss natural defects in timber and suggest how they can affect the qualities of timber in building construction. [18]
- b) Discuss the preservation of timber. [16]

QUESTION 2

- a) Write brief notes on market forms of steel. [20]
- b) Discuss preventive measures for corrosion on metals mainly used for construction purposes. [13]

QUESTION 3

- a) Describe the process for glass manufacturing. [15]
- b) State the special types/forms of glass and briefly describe how they are produced and their uses. [18]

QUESTION 4

- a) Enumerate general properties of plastics and write a critical note on plastics as a building material. [20]
- b) Give a comparative idea on the performance of PVC pipes as compared to that of other conventional pipe materials. [5]
- c) Write an account of storage of building materials at site. [8]