MACHAKOS UNIVERSITY

University Examinations for 2021/2022

SCHOOL OF ENGINEERING AND TECHNOLOGY

BUILDING AND CIVIL ENGINEERING DEPARTMENT

FIRST YEAR FIRST TERM EXAMINATION FOR

CERTIFICATE IN BUILDING TECHNOLOGY

CONSTRUCTION MATERIALS

DATE: **TIME:**

INSTRUCTIONS: ANSWER ALL THE FIVE QUESTIONS

Answer all questions

1. (a) List down five properties of materials (10 marks)

   (b) List down three geological classifications of rocks citing one example in each case. (10 marks)

2. (a) Outline two classes of materials used in the construction industry citing examples in each case. (4 marks)

   (b) Briefly explain three forms of rocks used for building. (6 marks)

   (c) List down five uses of clay products. (10 marks)

3. (a) Outline four categories of properties of bricks. (4 marks)

   (b) By use of neat sketches, illustrate the following;

   -solid brick

   -perforated brick

   -frogged brick. (6 marks)

   (c) List down and explain five types of clay products. (10 marks)

4. Briefly explain four methods of quarrying stones (20 marks)

5. Outline the procedure of manufacturing clay bricks (20 marks)