



MACHAKOS UNIVERSITY

University Examination 2018/2019

SCHOOL OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF BUILDING AND CIVIL ENGINEERING
SECOND YEAR SECOND SEMESTER EXAMINATION FOR
DIPLOMA IN CIVIL ENGINEERING
BCECD215: ENGINEERING GEOLOGY

DATE: 7/5/2019

TIME: 8:30 – 10:30 AM

INSTRUCTIONS

Answer question **ONE** and any other **Two** questions

1.
 - a) Define the following terms: -
 - i) palaeontology (4 marks)
 - ii) stratigraphy (4 marks)
 - b) Explain Three agents of metamorphism (9 marks)
 - c) State and explain 4 physical properties of a mineral (8 marks)
 - d) Discuss how the following subjects are related to geology: -
 - i) mathematic
 - ii) chemistry
 - iii) biology (6 marks)
 - e) State 6 uses of a dam (3 marks)
2.
 - a) Explain six application of geology in construction industries (12 marks)
 - b) State six importance of faulting (6 marks)
 - c) Explain three igneous structures (6 marks)

- Page 2 of 2