



ELIZADE UNIVERSITY, ILARA-MOKIN
FACULTY OF ENGINEERING
DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING
FIRST SEMESTER 2019/2020 EXAMINATIONS

Course: Introduction to Civil Engineering **Course Code:** CVE 301 **Units:** 2
Instruction: Attempt ANY FOUR Questions **Time Allowed:** 2 hours

Question 1 (15 marks)

- (a) Explain the origin and history of Civil Engineering? (10 marks)
- (b) List career opportunities and places of work for a Civil Engineering graduate (5 marks)

Question 2 (15 marks)

- (a) What are the responsibilities of Civil Engineers? (7 marks)
- (b) List and explain the personal qualities and skills needed of a Civil Engineer (8 marks)

Question 3 (15 marks)

- (a) Explain the following terms as related to Civil Engineering
- (i) Ethics in Professional Practice (3 marks)
- (ii) Explain the four cadres of Engineering Personnel registrable by COREN with the aid of a pyramid model (4 marks)
- (b) What are the critical problems of modern society that should be solved by civil engineering professionals? (8 marks)

Question 4 (15 marks)

- (a) Explain vividly four branches of Civil Engineering available in Elizade University (10 marks)
- (b) Define and explain the term Civil Engineering as a Profession? (5 marks)

Question 5 (15 marks)

- (a) Explain the history of professional engineering society in the United Kingdom (UK), United State of America (USA) and Nigeria (9 marks)
- (b) Briefly explain frontier of research and modern application of civil and environmental engineering in the society. (6 marks)