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University Examinations 2013/2014

FIRST YEAR, FIRST SEMESTER EXAMINATION FOR DIPLOMA IN CIVIL
ENGINEERING

ECV 0201: CONSTRUCTION TECHNOLOGY SERVICES

DATE: APRIL 2014

TIME: 1 ½ HOURS

INSTRUCTIONS: Answer question *one* and any other *two* questions

QUESTION ONE – (30 MARKS)

- (a) Discuss factors that are considered when making a choice of a foundation for a building. (10 Marks)
- (b) Using neat sketches explain three types of foundations. (10 Marks)
- (c) Explain the requirement of the building regulation, clause D 3(a) on foundation of buildings. (10 Marks)

QUESTION TWO – (15 MARKS)

- (a) Identify five typical performance of doors and explain their uses. (10 Marks)
- (b) Using diagrams identify three types of
 - (i) Unframed doors (5 Marks)
 - (ii) Framed doorsStating where each door is used.

QUESTION THREE – (15 MARKS)

- (a) Using sketches where necessary identify two principal services that are required in buildings and explain their importance. (10 Marks)
- (b) Explain five performance requirement of roofs. (5 Marks)

QUESTION FOUR – (15 MARKS)

- (a) Discuss four elements of the building environment. (10 Marks)
- (b) Giving detailed explanation identify five functions of a ground floor. (5 Marks)