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University Examinations 2013/2014

THIRD YEAR, FIRST SEMESTER EXAMINATION FOR DIPLOMA IN CIVIL
ENGINEERING

ECV 0248: AUTOCAD AND ARCHICAD

DATE: APRIL 2014

TIME: 3 HOURS

INSTRUCTIONS: Answer question *one* and any other *two* questions. The candidate should have a computer with AutoCAD 2004 or later version and ArchiCAD 2013 program. Save your work on a folder in the desktop. Each question filed should have your registration number and question number. (Eg Q1 – ECV – 003/2012)

QUESTION ONE – (30 MARKS)

Using ArchiCAD 2013, draw plans on diagram 1 of one storey building, include the roof design and the following views.

- (a) Ground and first floor plans in (pdf)
- (b) Four important elevations in (pdf)
- (c) Three dimensional perspective in JPEG format. (30 Marks)

QUESTION TWO – (15 MARKS)

Using archiCAD 2013 draw the plan shown in diagram 2 and include the following in the design.

- (a) Furniture and appliances required
- (b) Four important elevations (15 Marks)

QUESTION THREE – (15 MARKS)

- (a) Using AutoCAD 2004 or later version, redraw the profile shown in diagram 3.
- (b) Redraw the speaker set shown in diagram 4. (15 Marks)

QUESTION FOUR – (15 MARKS)

Using AutoCAD 2004 or later version draw the following:

- (a) The isometric view shown in diagram five.
- (b) The third angle orthographic views of diagram 5 (15 Marks)