**MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY**

**P.O. Box 972-60200 – Meru-Kenya.**

 **Tel: 020-2069349, 061-2309217. 064-30320 Cell phone: +254 712524293, +254 789151411**

**Fax: 064-30321**

**Website:** [**www.mucst.ac.ke**](http://www.mucst.ac.ke) **Email:** **info@mucst.ac.ke**

**University Examinations 2014/2015**

FIRST YEAR, SECOND SEMESTER EXAMINATION FOR DIPLOMA IN CIVIL ENGINEERING

**ECV 0203: CONSTRUCTION TECHNOLOGY AND SERVICES II**

**DATE: DECEMBER 2014 TIME: 1**$\frac{1}{2}$ **HOURS**

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

**QUESTION ONE**

1. Discuss the three main categories of floor finishes (15 marks)
2. Explain the following activities in finishing concrete slabs
3. Consolidating (2 marks)
4. Edging and jointing (2 marks)
5. Striking off (2 marks)
6. List seven tests carried out on new drains (7 marks)
7. Define iron mongery (2 marks)

**QUESTION TWO**

1. By use of neat diagram, discuss four items used in iron monger (8 marks)
2. Explain the following terms as used in the study of drainage system
3. Combined sewerage system (2 marks)
4. Surface water drainage (3 marks)
5. Soil drainage (2 marks)

**QUESTION THREE**

1. Explain the following activities applied on walls
2. External rendering (4 marks)
3. Plastering (4 marks)
4. By use of a sketch show the distance required in installing inspection chambers used in underground drainage systems (2 marks)
5. List five principles of external drainage system (5 marks)

**QUESTION FOUR**

1. Discuss the following oil based paints
2. Priming paints (3 marks)
3. Undercoating paints (3 marks)
4. Finishing paints (3 marks)
5. Discuss the following types of finishes used in buildings
6. Flexible PVC tiles and sheets (2 marks)
7. Thermo plastic tiles (2 marks)
8. Mastic asphalt (2 marks)