JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES

UNIVERSITY EXAMINATION FOR DIPLOMA IN COMMUNITY HEALTH AND DEVELOPMENT

2ND YEAR 2ND SEMESTER 2017/2018 ACADEMIC YEAR

COURSE CODE: HDC 2113

COURSE TITLE: WASTE MANAGEMENT

EXAM VENUE: STREAM: (Dip Comm Health & Dev)

DATE:

EXAM SESSION:

TIME: 1 1/2.00 HOURS

MAIN CAMPUS

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Instructions:

Answer all the questions in Section A and ANY other 2 questions in Section B.

Candidates are advised not to write on the question paper.

Candidates must hand in their answer booklets to the invigilator while in the examination room.

SECTION A: ANSWER ALL THE QUESTIONS {30MKS}

1. Define the following terms as used in Waste Management (3mks)
   a) Polluter Pays Principle
   b) Sustainable Development
   c) Solid Waste Management
2. List three taxonomic classification of waste (3mks)
3. Explain the concept of Waste Hierarchy with an aid of a well labeled diagram (3mks)
4. Wastewater treatment processes are designed to achieve improvement in the quality of waste water. State three substances reduced by the various treatment processes (3mks)
5. Enumerate three factors to be considered when designing waste transport system aspect of waste management (3mks)
6. State 3 important of treating wastewater in the community (3mks)
7. Highlight three composting technologies used in Solid Waste management the community (3mks)
8. Explain three factors to consider while choosing excreta disposal method in the community (3mks)
9. Healthcare waste should be sorted and stored in appropriate containers which are colour coded. Name such containers with an example of waste stored in each(3mks)
10. Enumerate three sources of stream pollution (3mks)

SECTION B: {Answer any TWO questions in this section 40mks}

1. Discuss public health risks associated with poor waste management (20mks)
2. Explain the various processes of disposal of corpses and dead animals (20mks)
3. Discuss the elements of solid waste management (20 mks)
4. Discuss the conventional stages of sewage treatment (20 mks)