Summer Examinations 2016

ENV312416N

Module Title: Water Resource Management
Level: Six
Time Allowed: Two hours

Instructions to students:

- Enter your student number not your name on all answer books.
- You must answer the compulsory question in Section A and one question in Section B.
- All questions are equally weighted.
- Question One is a seen question. The question has been distributed to students two weeks prior to the examination.
- Begin each question in a separate answer book; label each answer book clearly with the number of the question you are answering.
- Neither books nor notes may be taken into the examination.

No. of Pages: 3
No. of Questions: 5
**Section A – Seen question**

All candidates must answer this question.

**Question 1.**

Critically evaluate runoff control measures as a means of mitigating flooding and improving the water quality of runoff.

(50 marks)
Section B

Answer one question of the following questions.

Question 2.

Using specific examples, critically evaluate the effectiveness of drought management.  
(50 marks)

Question 3.

Evaluate the potential impacts of climate change on water resources, and assess the management strategies needed to address the associated problems.  
(50 marks)

Question 4.

Critically assess the potential of reclaiming water from effluent in meeting some of the water demand requirements around the world.  
(50 marks)

Question 5.

Critically evaluate the problems of managing water resources on small islands and assess the current management strategies employed.  
(50 marks)

Total: 100 marks