

**EASTERN UNIVERSITY, SRI LANKA**

**FINAL YEAR FIRST SEMESTER EXAMINATION IN AGRICULTURE- 2016/17**

**AE 4110 – WATER QUALITY FOR AGRICULTURE (2: 15/30/45)**

**(December 2018)**

**Answer all Questions**

**Time: One hour**

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01. (a) Classify the irrigation water based on different water quality criteria.
- (b) What do you mean by hard water? And give the possible sources for the hardness of a particular water body.
- (c) Briefly discuss about the benefits and problems of using wastewater for irrigation.
02. (a) Briefly discuss the factors affecting the nitrate concentration of water body.
- (b) Write short notes on the following:
- (i) Sodium and salinity related problems in irrigated agriculture.
  - (ii) Eutrophication in water resources.
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