

FEDERAL UNIVERSITY OF TECHNOLOGY OWERRI  
School of Agriculture and Agricultural Technology  
Department of Soil Science and Technology  
Harmattan semester Examinations 2014/2015

SST 407: IRRIGATION, DRAINAGE AND HYDROLOGY

CREDIT UNIT: 2 UNITS

TIME: 2HOURS

Instruction: Attempt all questions

- 1(a) Classify the methods of irrigation to crops
- (b) Differentiate between basin and ring methods of irrigation.
2. Discuss the six (6) factors affecting irrigation frequency.
- 3(a) Classify agricultural drainage systems
- (b) Mention 5 advantages and 5 disadvantages of drainage in agriculture.
4. Define the following terms
  - (a) Hydrologic Equation
  - (b) Precipitation
  - (c) Infiltration
  - (d) Biosphere
5. List and explain the various ways by which water enters the soil and back to the atmosphere.

GOOD LUCK.

