



NATIONAL OPEN UNIVERSITY OF NIGERIA

**University Village, Nnamdi Azikwe Express Way, Plot 91,
Cadastral Zone,
Jabi, Abuja**

Faculty of Agricultural Sciences

FIRST SEMESTER EXAMINATION: June/July

COURSE CODE: CRP30 6

**COURSE TITLE: PRINCIPLES OF IRRIGATION AND DRAINAGE
(2 Units)**

TIME: 2HOURS

**INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS. ALL QUESTIONS
CARRY EQUAL MARKS**

QUESTIONS

- 1a. Define irrigation (5marks)
- b. Mention five (5) purposes of irrigation(5marks)
- c. Write five (5) Importance of irrigation (5marks)
- d. Describe two (2) Forms of irrigation (10 marks)
- 2a. Describe the process of transpiration (20marks)
- 2b. Give 5 (five) examples of Mesophytes (5marks)
- 3a. What does irrigation requirement (IR) of a crop mean?
(5marks)

- 3b. Explain two Types of irrigation requirement stating their equations and full meaning (20 marks)
- 4a. Define Irrigation scheduling. (2marks)
- 4b. State three (3) benefits of proper irrigation scheduling? (3 marks)
- 4c. Discuss Methods used in determining irrigation scheduling? (20marks)