

FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA
SCHOOL OF SCIENCE AND SCIENCE EDUCATION
DEPARTMENT OF GEOGRAPHY

SECOND SEMESTER 2009/2010 SESSION UNDERGRADUATE EXAMINATION

COURSE CODE: GRY522 (2 Units)

COURSE TITLE: Geography of Water Resources

INSTRUCTIONS: Answer any four (4) questions of your choice. Credit will be given for the use of specific examples and appropriate diagrams.

TIME ALLOWED: 2½ Hours

1. The movement of water through the hydrological cycle is erratic both in time and space. From water management point of view, discuss the effect of the extremes that could arise from the above statement.
2. Enumerate and discuss the factors that can affect the rate at which the capacity of a reservoir could be reduced.
3. Identify and discuss the relationship between ground water and surface water movement
4. Using any specific catchment area, identify and explain **any three** methods that can be used to measure average precipitation over the area.
5. Discuss the view that evaporation is a very serious climatic constraint in the performance of hydroelectric dams in Nigeria.
6. Identify and discuss the factors that control the rate of evaporation

