

DEPARTMENT OF GEOGRAPHY

SCHOOL OF PHYSICAL SCIENCE,

FEDERAL UNIVERSITY OF TECHNOLOGY MINNA,

SECOND SEMESTER EXAMINATION 2014/2015

COURSE : GRY 522

COURSE TITLE: HYDROLOGICAL AND WATER RESOURCES MANAGEMENT.

INSTRUCTION: ANSWER QUESTION ONE AND ANY OTHER TWO QUESTIONS.

TIME ALLOWED : 2HOURS 30MINUTE.

1. a) As an expert in water resource management, a dam is to be site in kagara, Niger state for irrigation purpose. State clearly the advice you will give in terms of hydrometeorological input.
b) discuss the major components ,usefulness and possible applications of water balance model.
2. Identify and discuss the factors that control the rate of evaporation.
3. To what extent is river basin development a powerful tool in rural urban integration. In Nigeria.
4. Examine the assertion that international drainage basin co-operation and development is a step-forward in water resource utilization and management.
5. Enumerate and discuss the factors that can affect the rate at which the capacity of a reservoir could reduced.