DEPARTMENT OF GEOGRAPHY FEDERAL UNIVERSITY OF TECGNOLOGY MINNA SECOND SEMESTER UNDERGRADUATE EXAMINATION 2019/2020 SESSION

COURSE CODE:GRY 522COURSE TITLE:Geographical Water Resource ManagementINSTRUCTION:Answer AnyFour (4) Questions

TIME ALLOWED: 2hours 30 Minute.

- As a water resource manager, there is need to construct a multipurpose reservoir in Giwa Kaduna state, enumerate and discuss the two critical climate variables to be taken into consideration during the design process.
- 2. When ground water must be pumped from an aquifer, the rate at which water flows from surrounding rock to replace that which is extracted is taken out. Critically examine the environmental effect of ground water withdrawal in the dry sub humid zones of Nigeria.
- Rain fall interception has been found to differ significantly between the urban and rural environment. Explain the major differences using Minna (urban) and Kataeregi (rural) as case studies.
- 4. Discuss the major components and uses of water balance.
- The 1986 flood in Minna Township took a heavy toll on lives and property which necessitated the construction of drainage criss-crossing the township. Enumerate and discuss the effects of the channelized river/stream at location downstream of channelized section.
- 6. "Enumerate and discuss the factors that affect Run off process.

Good luck