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COURSE TITTLE: WATER RESOURSE ENGINEERING

COURSE CODE: CVE 505

QUESTION 2

DISADVANTAGE OF LARGE DAM PROJECT

* Dam technology disrupt local ecosystem dams. Create a flooding issue behind the structure as a way to forma reservoir. This as a result disrupt human activities and also disrupt existing wildlife habitats.
* Another disadvantage of large dam project is that if for any reason the dam fails and is unable to perform its function of retaining water, the whole community is at risk of flooding.
* Dams can have adverse impact on the ground water table, when riverbeds experience deepening, this problem create lower groundwater table along the river as result, plant roots are unable to reach what is required for survival.
* They are very expensive.
* Potential challenges in the maintenance of reservoir.
* There will be a negative impact on aquatic animals in the region.
* Dams can block water progression to different states, provinces and region.

QUESTION 3

EFFECT OF WATER POLUTION ON THE ENVIRONMENT

There are various effect of pollution (either air pollution, noise pollution or water pollution) on environment which as a result affect the inhabitants of the environment. The effect of water pollution on environment include:

* There is a threat to aquatic life.
* There is a disruption in the food chain.
* Contaminants of drinking supplies.
* There is a high chance of the spread of many diseases
* eutrophication which leads to the decrease of O2 in water.
* Distribution of ecosystem.

QUESTION 4

SUSTAINABLE APPROCH TO THE DECONTERMINATION OF RIVERS WATER

* Empowerment of the use of wetland as a natural wastewater treatment from different sources passes through the wet land where waste is broken down and extracted (by the waste eating plants and micro-organism) thereby allowing clean water to enter into the river.
* Stopping all water pollution source from further polluting the river. This can then be followed by the dredging of the contaminated sludge cleaning process, where sludge is converted into useful soil. the treatment of this sources to river is followed and the return of each water to the river.