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Semester: 6th

SUBJECT: Geotechnical Engineering

Final Assignment

Quiz

Geotechnical Design Software:

A high variety of geotechnical software are used in geotechnical engineering.

3 DEEP:

This software is fully integrated with a design software package for automatic model generation. It is virtual reality software for deep excavation.

ACCELAC:

The program analyses the behaviour of the rock slopes under seismic conditions. It evaluates the displacement of a rock block subject to dynamic forces.

rule: _____

ADONIS:

ADONIS is free Finite Element Software for Geo-Engineers. The goal of the ADONIS development is to improve the modeling and computational simulation in geotechnical engineering.

AMERTIN:

Amretain is a software for checking single or double retaining wall made of Arcelor Mittal, steel piles. It has been developed by Terrasol.

Assignment

Mohmand DAM:

Mohmand Dam is an under construction multi purpose concrete faced rock filled dam located on Swat River and Panjkora River approximately 37 km north of Peshawar and 5 km upstream of Munda Head works in Mohmand District KPK Pakistan.

Location:

Mohmand District KPK

Status:

under construction

Owner:

Govt of Pak

Type of Dam

Concrete faced rock filled.

Impound:

Panjikora and Swat River.

Height:

213.00m

Length:

760m

Reservoir

Creates

Mohmand Reservoir

Power station:

Installed Capacity 800MW

Annual Generation:

2407 GWh