

Types of dams and reservoirs of Geology of site in their selection, Geological Considerations in the selection of adamsite. Analysis of dam failures of the past. Factor's contributing to the success of are servoir. Geological factors influencing water Lightness and life of reservoirs.

Tunnels: Purpose of tunneling, Effects of Tunneling on the ground Role of Geological Considerations(i.e. Tithological structural and ground water) intunneling over break and liningintunnels

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References/Text Books:

1. Principals of Engineering Geology by K.V.G.K. Gokhale –B.S publications
2. Engineering Geology by N.Chennkesavulu, Mc-Millan, IndiaLtd. 2005.
3. F.G.Bell, Fundamental of Engineering Geology Butterworths, Publications, New Delhi, 1992.
4. Krynine& Judd, Principles of Engineering Geology & Geotechnics, CBS Publishers& Distribution,

Lecture Plan: Unit-I & -II syllabus for MID-I, Unit-III & -IV syllabus for MID-II and Unit-V & -VI syllabus for MID-III examinations.

Video Lectures (Web Links):

1. <http://nptel.ac.in/courses/105105106/>