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 devoted to investigation, study and solution of environmental and engineering problems which may arise due to the interaction between the geology  
 and human activities and also the prediction of or development of measures to control such hazards. Compiled by: Abhash Acharya. Bibliography:  
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 branch of exploration geophysics, which aims at solving civil engineering problems by interpreting subsurface geology of the area concerned.  
 Electrical resistivity methods and seismic refraction methods are commonly used in solving civil engineering problems. Geohydrology: This may also be  
 called hydrogeology. Engineering Geology Geological processes continually modify the Earth's surface, destroy old rocks, create new rocks and add to  
 the complexity of ground conditions. Cycle of Geology encompasses all the major processes, which must be cyclic, or they would grind to an

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Engineering geophysics is a branch of exploration geophysics, which aims at solving civil engineering problems by interpreting subsurface geology of the area concerned. Electrical resistivity methods and seismic refraction methods are commonly used in solving civil engineering problems. Geohydrology: This may also be called hydrogeology.

#### Engineering Geology

Geology in civil engineering - branches of geology - structure of earth and its composition weathering of rocks - scale of weathering - soils - landforms and processes associated with river, wind, groundwater and sea - relevance to civil engineering. Plate tectonics - Earth quakes - Seismic zones in India.

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Engineering Geology is an international interdisciplinary journal bridging the fields of the earth sciences and engineering, particularly geological and geotechnical engineering. Engineering geology is the application of geological knowledge in engineering works. It has wide applications in various engineering fields especially in urban planning and expansion. Site investigation for major structures such as dams, factories, and heavy buildings is one of the main parts of engineering ...

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Engineering geology: This deals with the application of geological knowledge in the field of civil engineering, for execution of safe, stable and economic constructions like dams, bridges and tunnels.

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The Engineering Geology Notes Pdf - EG Notes Pdf book starts with the topics covering Importance of geology from Civil Engineering point of view, Definition of mineral, Importance of study of minerals, Geological classification of rocks into igneous, Indian stratigraphy and geological time scale,

Importance of Geophysical studies Principles of geophysical study by Gravity methods, Water table, Purposes of tunneling, Etc.

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Relevance of geology to civil engineering Most civil engineering projects involve some excavation of soils and rocks, or involve loading the Earth by building on it. In some cases, the excavated rocks may be used as constructional material, and in others, rocks may form a major part of the finished product, such as a motorway cutting or the site of a reservoir.

### Civil Engineering Geology and Geological Engineering Lectures

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Engineering Geology provide geological and geotechnical recommendations. It mostly Performed during the planning phases of any project to understand the geological features of the site. Useful for environmental impact analysis, Rock analysis etc; Helps to protect life and property from damage caused by different geological conditions.

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Engineering geology on the statutes of IAEG is defined as the science devoted to investigation, study and solution of environmental and engineering problems which may arise due to the interaction between the geology and human activities and also the prediction of or development of measures to control such hazards. Compiled by: Abhash Acharya. Bibliography: Dhar, M.S. and Ghimire, P.C., 2006, Engineering Geology,

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Geological processes continually modify the Earth's surface, destroy old rocks, create new rocks and add to the complexity of ground conditions.

Cycle of Geology encompasses all the major processes, which must be cyclic, or they would grind to an inevitable halt. Land : Mainly erosion and rock destruction.