

०.६.६१.८ Engineering Geology

Definition of geology; its relation with other sciences and its contribution in social development. Main prosperities of earth crust. Crystals. Minerals and its prosperities and classification. Rocks cycle in nature. Sedimentary, Igneous and metamorphic rocks. Weathering and Erosion. Soil. Surface and Ground water. Desert and air erosion. Movements of earth flocks. Slides and Faults. Earth quick and Volcanoes. Engineering Geology and its application. Soil mechanics. Dams and Subway. Building materials. Whim engineering. Environmental geology. Health, natural and industrial hazards. Environment and cities planning. Water and Air pollution; their measurements and control. Problems of water resources. Review.