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Obviously soil mechanics is the mechanics of structures made of soils and there are also rock mechanics for rocks and fluid mechanics for fluids. Some important branches of mechanics are illustrated in Fig. 1.3; all of these are used in soil mechanics and appear later in this book.

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with explanation for various interview, competitive examination and entrance test. Solved examples with detailed answer description, explanation are given and it would be easy to understand.

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An Introduction to THE MECHANICS OF SOILS AND FOUNDATIONS

SECTION SIX SOIL MECHANICS AND FOUNDATIONS Robert W. Day Chief Engineer, American Geotechnical San Diego, California 6.1 INTRODUCTION 6.1.1 Soil Mechanics Soil mechanics is defined as the application of the laws and principles of mechanics and hydraulics to engineering problems dealing with soil as an engineering material.

Source: BUILDING DESIGN AND CONSTRUCTION HANDBOOK SECTION

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Objectives of Soil Mechanics To perform the Engineering soil surveys. To develop rational soil sampling devices and soil sampling methods. To develop suitable soil testing devices and soil testing methods. To collect and classify soils and their physical properties on the basis of fundamental knowledge of soil mechanics.

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