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A Manual of

Geology for Civil Engineers

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As well as attempting to serve the needs of undergraduate civil engineering students, the aim has also been to put sufficient information in the book to serve as a useful handbook of geology for qualified civil engineers. To this end, geological methods employed in current civil engineering practice have been covered in some detail. This information should provide a sound base for geology to be used as a kind of materials science for geotechnics. Without some understanding of the geological make-up of soils and rocks both in the mass and in sample form, soil mechanics and rock mechanics can never fully be appreciated.

The geological information required by civil engineers is however not the same all over the world. The requirements in this book are based on the

requirements of the School of Civil and Structural Engineering at the Nanyang Technological Institute, Singapore for their undergraduate programme. It is hoped that the book will be useful to other civil engineers and students of geology elsewhere.

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