

About the Book

This book is divided into 22 chapters and covers Geology and Evolution of rocks from India, Pakistan, Bangladesh, Nepal, Bhutan, Sri Lanka, Madagascar and Myanmar. It has exclusive coverage of Precambrian, Palaeozoic, Mesozoic and Cenozoic rocks of the continental and oceans parts of the plate. Position of India and its adjoining parts in Gondwana, Rodinia and other super continents are discussed at length. The book provides details of the birth of the Indian Ocean of Tethys when Himalaya developed from Proterozoic to Holocene, faster uplift of Himalaya recent development of Indo Gangetic plains, Thar deserts and deltas of the major rivers and their fans. The present book synthesizes the work done on Indian plate especially after the acceptance of theory of plate tectonics and provides a perception of the present state of knowledge and the glaring gaps. It provides an integrated interpretation of available geological and geophysical data in terms of evolution of Indian plate from 4 Ga to 4Ka.

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