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MAP INTERPRETATION FOR STRUCTURAL GEOLOGISTS





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“Developments in Structural Geology and Tectonics” is an Elsevier book series where potential authors are welcome to contact the Series Editor: Soumyajit Mukherjee (soumyajitm@gmail.com, smukherjee@iitb.ac.in) with new book proposals either as authors or editors. All theoretical, practical, regional and interdisciplinary topics of structural geology and tectonics are welcome as a potential book proposal.





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DED1

Dedication

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S. Mukherjee dedicates this book in loving memory of his grandmother late Namita Mukherjee.







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PRE1

Preface

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Interpreting topography and structures from geological maps is a fundamental and compulsory exercise for Bachelors and Masters students in geosciences. This book presents how to interpret maps and draw their cross-sections. Students are requested to consult standard text books of structural geology for definitions and diagrams of the common terms used in this book. A number of solved maps are provided along with few unsolved exercises for practice. This will help students to practice map interpretation with nominal

guidance. Starting from preliminary concepts (e.g., topography, horizontal, and inclined beds), maps with single “components” (folds, faults, and unconformities) are explained. This is followed by maps with multiple components, and map completion exercises. We believe the book provides sufficient information for a single semester to teach beginners. We welcome any comments, suggestions, or alternate explanations for the solved maps at: narayan.bghs@gmail.com and soumyajitm@gmail.com.








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