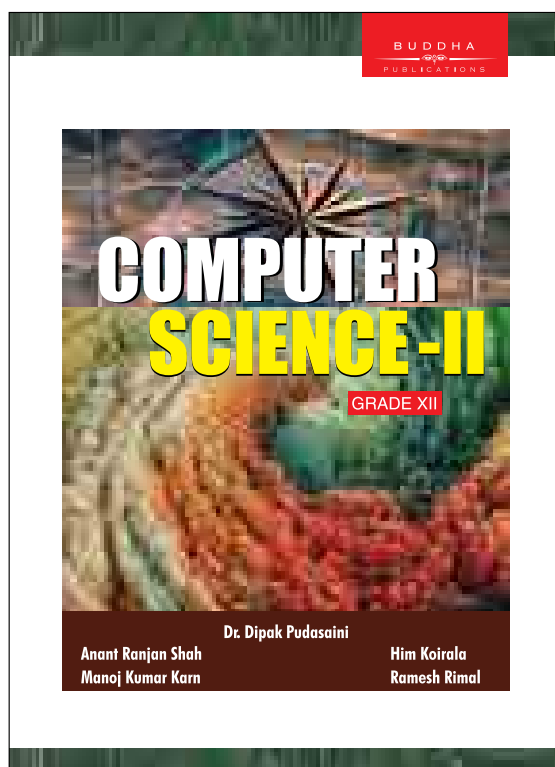


Computer Science-II

GRADE XII



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PREFACE

Quality education ensures the overall development of an individual. Quality education demands quality textbooks that shape and develop inner potentiality of a reader. The traditional reading materials have failed to fulfil the present competitive requirement of the learners who have the urgency to strengthen themselves in diverse fields and expose or apply their competency in the global environment.

Considering this reality, we have come up with **COMPUTER SCIENCE-II** for Grade XII students and thus, feel immense pleasure for our invaluable attempt to meet the pressing and changing need of the present day learners. It is, in fact, an ideal product with distinct concepts and features in the field of **Computer Science-II**.

So we have developed this book to cover all the topics prescribed by NEB. This book is designed in such a way that it includes Computer system, Number System and their Conversion, Logic Function and Boolean algebra, Computer Software and Operating System, Application Package, Programming Concept and Logics, Web Technology (HTML and CSS), Multimedia and Information security and cyber law.

The book contains the following distinct features:

Points to remember (PTR) Important points and concepts have been emphasized that help to overview quickly the main points of the sections as well as additional information required to the readers. It also helps to remind the main conclusion of the text as well as main points of the topic.

GLOSSARY At the end of every chapter, a list of key terms has been provided for a quick review and linking purpose of the relevant terms. Those terms help to clarify the meaning of the related terms used in the chapters.

EXERCISE At the end of every chapter, a section relating to 'Exercise' is provided which helps the readers to develop their theoretical understanding of the concerned chapters. It is divided into 3 parts. First part is very short question, second part is short question and third part is long question. Such theoretical questions are also useful from the point of view of final examinations.

BIOGRAPHY At the end of every chapter, a section relating to 'Biography' provided which helps the readers to develop their practical understanding of the concerned topics. Such biography is helpful for extra knowledge for the readers.

CASE STUDY At the end of every sub-unit, case study is given to enhance the capacity of students.

ASSIGNMENTS This book has provided a large number of assignments at the end of each session. These assignments help the readers to get mastery in the chapters. These assignments are arranged in order of simple to complex. The solved problems are to be practised in the classroom with the help of the teacher.

This book is an outcome of a long inspiration and moral support of many people, especially, our +2 graduate students in Nepal, and we are always grateful to all of them. It is hardly possible to list the names of all our well-wishers here but we sincerely acknowledge the precious encouragement they offered us. We take this opportunity to express our sincerest gratitude to Mr. Nabaraj Bajgain, Managing Director of Buddha Publications Pvt. Ltd., Jagadish Baskota and Gyanu Karki for their holy contribution to prepare this book. We are also grateful to our friend **Er. Gopal Prasad Shah** for his support and innovative ideas to develop this book.

Every effort has been made to make this book student friendly. Still some errors and comments may exist on the book. So, we welcome any suggestions, ideas, comments and thoughts that would help to make the book more students friendly.

We wish our readers all the very best in their careers.

Authors



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