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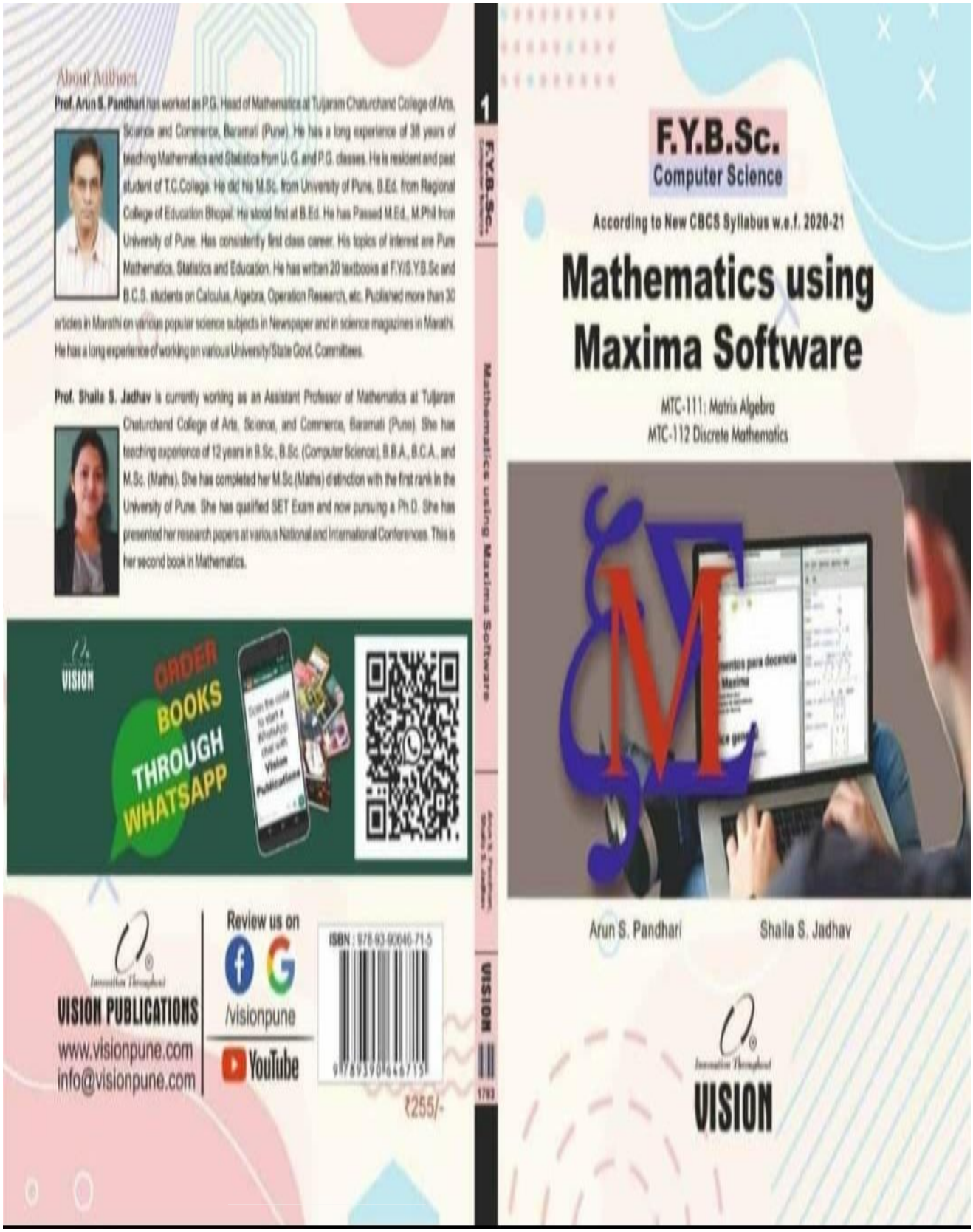

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According to New CBCS syllabus w.e.f. 2019-2020

F.Y.B.Sc. & F.Y.B.Sc. Computer Science

Mathematics using Maxima Software

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PREFACE

It is a matter of great pleasure for us to present this book on "Mathematics Practical on Maxima Software" to the students of F.Y. B.Sc. and F.Y. B.Sc. (Computer Science). This book is written according to the guidelines of the Board of Studies in Mathematics of SPPU.

Maxima Software is user friendly and easy to handle. It is a powerful tool to evaluate mathematical expressions. Maxima also provide command to representation of 2D and 3D graphs of various functions.

This book consists of detail solution of practical slips provided by Board of studies for F.Y. B.Sc. (Sem – I) and F.Y. B.Sc. Computer Science (Sem – I, Sem – II). Starting with basic commands, we covered the topics from Algebra, Calculus, Discrete Mathematics and Linear Algebra. We also demonstrate Discrete, Parametric, 2D and 3D graphs. Every maxima command explained with examples. A lot of examples of various types are solved in this book. The matter is presented in a simple and understandable manner.

We express our sincere thanks to entire team of Vision Publications for their valuable co-operation. We are thankful to the management of Anekant Education Society and our Principal Dr. C.V. Murumkar for continuous support. We are also thankful to Prof. Puranik S.R. (Head) and Colleague Prof. Shinde V.H.

We welcome any opinions and suggestions from all the readers.

Prof. A. S. Pandhari and Shaila S. Jadhav

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