



VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT

SYLLABUS FOR B.Sc. (MATHEMATICS)

SEMESTER -I

MATHEMATICS–MH-SEC-101

FUNDAMENTALS OF VEDIC MATHEMATICS-I

Effective from June-2023

(Theory 2 Hours /Week- Credit : 2)

Unit-I

Left to Right calculation: Addition, Multiplication, Writing Left to Right Sums, Subtraction, Digit Sums, Checking Devices, Subtraction from a Base, Bar numbers, General Subtraction. Advantages of Left to Right Calculation Advantages of Bar numbers.

Unit-II

Special methods: Multiplication Near a Base-Number just Below the Base, Above the Base, Above and Below, Proportionality and different Bases. Mental calculation, Special numbers- Repeating numbers, Proportionality, Disguises. Division by Nine etc.

The course is covered by the following reference books:

1. Kenneth R. Williams: Foreword by L. M. Singhvi, Formerly High Commissioner for India in the U. K. Motilal Banarsidass Publishers Private Limited. Delhi-2005
2. Vandana Singhal: Vedic Mathematics for all ages-A beginner's guide, Motilal Banarsidass Publishers, 2014.
3. Jagadguru Swami Sri Bharati Krishna Tirthaji Maharaja: Vedic Mathematics, Motilal Banarsidass Publishers, 2015.
4. S. K. Kapoor: Vedic Mathematics Course @2006. Lotus Press, Darya Ganj, New Delhi-110002. ISBN 81-8382-047-6.
5. S. K. Kapoor: The Teaching of Vedic Mathematics @ 2006. Lotus Press, Darya Ganj, New Delhi-110002.