

Course Guidelines

VEDIC MATHEMATICS- III

Credit Distribution: Lecture-01, Tutorial-00, Practical-01 Total-02

Prerequisite: VAC-Vedic Mathematics II

Topic	Hours	Resources	Details
Unit I: Contribution of Indian Mathematicians-Trigonometry			
- Baudhayana - Apastamba - Aryabhata I, II - Bhaskara I, II - Lilavati	3	Book- ■ Studies in india...	Discuss brief history, contribution of Indian Mathematicians and advantages of Vedic Maths.
Unit II: Trigonometric Ratios			
- Introduction of Trigonometric ratios - Trigonometric Identities - BN of Complementary angles - BN of sum and difference ($\alpha \pm \beta$) of an angle	4	Notes- Books- The essentials of vedic mathematics, Rajesh Thakur (chapter-18)	Link for Sample questions- ■ Practice questions for Trigonometry...
Unit III: Real life Applications of Trigonometry			
- Application Trigonometry-Height and Distance - Inverse Trigonometric Function	4	Notes- Books- Lilavati (ch://drive.google.com/file/d/1muJAtK8Frc6HjvKzHqWCLE6NsHGIC0eM/view?usp=drivesdkap32)	Link for sample questions- https://drive.google.com/file/d/1wKUKweOTp9OLq83jkRegtUai1Tutlv67/view?usp=drivesdk https://drive.google.com/file/d/1vwK-556O9glrjVDDKkx4U5lrRUHrY1Ux/view?usp=drivesdk https://drive.google.com/file/d/1wHf7YfgHJ_ijk9ZO-SETe7G-bXVXRly5/view?usp=drivesdk https://drive.google.com/file/d/1vmuR_nnEIYPHmIWrga51ezB8V7KeAmUs/view?usp=drivesdk https://drive.google.com/file/d/1muJAtK8Frc6HjvKzHqWCLE6NsHGIC0eM/view?usp=drivesdk

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Unit IV: Vedic Geometry			
• Angle between two lines • Perpendicular distance from point to line • Baudhayan Geometry • <i>Jyothishya Shastram</i> -Introduction of Astronomy, Astrology & Time Computation • <i>Shilpa Shastram</i>- Introduction of temple architecture and constructions	4	Notes- Books- Advanced Vedic Mathematics, Rajesh Thakur (chapter-14) ■ Studies in india...	Link for sample questions - https://drive.google.com/file/d/1mkCd7jsQwHjHd0GaILUFx-4I6EyJqPcG/view?usp=drivesdk https://drive.google.com/file/d/1wMdwCrJnr-Qs9z-ohXlv7O1Cu8JtZ_gh/view?usp=drivesdk

This file contains a number of topics which falls in different categories mentioned above.

<https://drive.google.com/file/d/1vvS14q-YQoSTEAfoqXd23k7xsuOFMFAC/view?usp=drivesdk>

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