

PGCSS
MAHATMA GANDHI UNIVERSITY RESTRUCTURED SYLLABUS
P G PROGRAMME IN SANSKRIT GENERAL
SEMESTER –I
PC –IV- TECHNICAL LITERATURE

Credits :4

Contact Hours: 90

Aim of the Course

This course aims to impart knowledge about the diversity of Sanskrit Scientific Literature.

Objectives of the Course

1. To bringout the richness of Sanskrit in the different fields of Ayurveda, Ganita, Vastuvidya, Astrology, Astronomy etc..
2. To encourage and promote innovation ,research and discovery in all fields of Sanskrit learning which aims at linking the past with the present..

Course Outline.

Module I –Definition of Ayurveda ,Astangas of Ayurveda,Carakasamhita, Susrutasamhita,Tridosha Theory,Theory of five elements, Pancakarmacikitsa and Astangahrdaya of Vagbhata.

Module ii Introduction to Ganitha, Famous Mathematicians- Aryabhata, Brahmagupta and Bhaskara I, Notations of Numbers and Numerals-Aryabhata’s notation of number , Lilavati.

Module iii Introduction to Vastuvidya, Tantrasamccaya, Silparatna, Manusyalayacandrika, Four types of Artisans-Stapati, Sutragrahin, Taksa and Vardhakin,Examination of Land, Planting

Of trees.

Module iv Introduction to Astronomy, Movement of Earth , The light of

Planets, Shape of earth, Names of Solar months and Some

Silent contributions of Kerala Astronomers- Aryabhata,

Bhaskaracarya, Parameswara of Vatasseri and Commentary on the

Mahabhaskareeya of Govindaswami.

Module v Introduction to Astrology, Name of Stars, Nine Planets,

Svashetra of Planets, Ucca and Nica position of Planets,

Dasas according to Stars, Aspects of Planets, Different classification

Of Rasis, Characters of Planets , Brhajjataka, Brahatsamhita,

Pancasidhantika, Anabha and Sunabha Yoga.

Essential Reading:

1 The Cultural Heritage of India Vol I & III Published by The

Ramakrishna Mission Institute Of Culture, Calcutta.

2 The Technical Literature in Sanskrit Ed DR.S. Venkitasubrahmanya Iyer,

Kerala University.

3 The Indian Heritage –DR.V. Raghavan.

Additional Reading:

1 The Scientific Heritage of India- Ayurveda Ed. Dr . K G Paulose, Govt .Sanskrit

College, Tripunitura.

2 The Scientific Heritage of India –Mathematics Ed. Dr. K G Paulose, Govt.

Sanskrit College, Tripunitura.

3 The History of Science and Technology in Ancient India- Deviprasad Catopadhyaya.
