



**Syllabus for Teachers and Lecturers in Certificate Course of Vedic Mathematics**

(Total No. of Modules=6, Total No. of Lectures=30)

SR. No.	Name of Lessons	Marks Allotted
<b>Module 1</b>		10
Lessons 1	Potentialities and Values of Mathematics of Ganita Sutras	
<b>Module 2</b>		15
Lessons 1	Applications of Ganita Sutra-1, एकधिकेन पूर्वेण (Ekadhikena Purvena), Text, meanings, working steps, demonstrative illustrations, Interrelationship with other Sutras / Upsutras	
Lessons 2	Applications of Ganita Upsutra-1 आनुरूप्येण (Anurupyena) Text, meanings, working steps, demonstrative illustrations, Interrelationship with other Sutras / Upsutras	
Lessons 3	Applications of Ganita Sutra-2 निखिलं नवतश्चरमं दशतः (Nikhilam Navatascaramam Dasatah), Text, meanings, working steps, demonstrative illustrations, Interrelationship with other Sutras / Upsutras	
Lessons 4	Applications of Ganita Upsutra-2 शिष्यते शेषसंज्ञः (Sisyate Sesasamjnah) ) Text, meanings, working steps, demonstrative illustrations, Interrelationship with other Sutras / Upsutras	
<b>Module-3</b>		15
Lessons 1	Applications of Ganita Sutra-3 ऊर्ध्वतिर्यग्भ्यायम (Urdhva-tiryagbhyam) Text, meanings, working steps, demonstrative illustrations, Interrelationship with other Sutras / Upsutras	
Lessons 2	Applications of Ganita Upsutra-3 आद्यमाद्येनान्त्यमन्त्येन (Adyamadyenantyamantyaena), Text, meanings, working steps, demonstrative illustrations, Interrelationship with other Sutras / Upsutras	
Lessons 3	Applications of Ganita Sutra-4 परावर्त्य योजयेत् (Paravartya Yojayet) Text, meanings, working steps, Interrelationship with other Sutras / Upsutras	
Lessons 4	Applications of Ganita Upsutra-4 केवलैः सप्तकं गुण्यात् (Kevalaih Saptakam Gunyat), Text, meanings, working steps, demonstrative illustrations Interrelationship with other Sutras / Upsutras	
<b>Module-4</b>		15
Lessons 1	Applications of Ganita Sutra-5 शून्यं साम्यसमुच्चये (Sunyam Samyasamuccaye) Text, meanings, working steps, demonstrative illustrations Interrelationship with other Sutras / Upsutras	
Lessons 2	Applications of Ganita Upsutra-5, वेष्टनम् (Vestanam), Text, meanings, working steps, demonstrative illustrations, Interrelationship with other Sutras / Upsutras	



Lessons 3	Applications of Ganita Sutra-6, (आनुरूप्ये) शून्यमन्यत् (Anurupye) Sunyamanyat) Text, meanings, working steps, demonstrative illustrations Interrelationship with other Sutras / Upsutras	
Lessons 4	Applications of Ganita Upsutra-6 यावदूनं तावदूनम् (Yavadunam), Text meanings, working steps, demonstrative illustrations Interrelationship with other Sutras / Upsutras	
<b>Module-5</b>		10
Lessons 1	Applications of Ganita Sutra-7 संकलनव्यवकलनाभ्याम् (Sankalana-vyavakalanabhyam (also a corollary) Text, meanings, working steps, demonstrative illustrations Interrelationship with other Sutras / Upsutras	
Lessons 2	Applications of Ganita Upsutra-7 यावदूनं तावदूनीकृत्य वर्गं च योजयेत् (Yavadunam Tavadunikrtya Varganca Yojayet)Text, meanings, working steps, demonstrative illustrations Interrelationship with other Sutras / Upsutras	
Lessons 3	Applications of Ganita Sutra-8 पूरणापूरणाभ्याम् (Puranapurānabhyam) Text, meanings, working steps, demonstrative illustrations Interrelationship with other Sutras / Upsutras	
Lessons 4	Applications of Ganita Upsutra-8 अन्त्ययोर्दशकेऽपि (Antyayordasake'pi) Text, meanings, working steps, demonstrative illustrations Interrelationship with other Sutras / Upsutras	
<b>Module-6</b>		10
Lessons 1	Applications of Ganita Sutra-9 चलनकलनाभ्याम् (Calana-Kalanabhyam) Text, meanings, working steps, demonstrative illustrations Interrelationship with other Sutras / Upsutras	
Lessons 2	Applications of Ganita Upsutra-9 अन्त्ययोरेव (Antyayoreva), Text, meanings, working steps, demonstrative illustrations Interrelationship with other Sutras / Upsutras	
Lessons 3	Applications of Ganita Sutra-10 यावदूनम् (Yavadunam), Text, meanings, working steps, demonstrative illustrations Interrelationship with other Sutras / Upsutras	
Lessons 4	Applications of Ganita Upsutra-10 समुच्चयगुणितः (Samuccayagunitah) Text, meanings, working steps, demonstrative illustrations Interrelationship with other Sutras / Upsutras	
<b>Module 7</b>		10
Lessons 1	Applications of Ganita Sutra-11 व्यष्टिसमष्टिः (Vyastisamasti) Text, meanings, working steps, demonstrative illustrations Interrelationship with other Sutras / Upsutras	
Lessons 2	Applications of Ganita Sutra-12, शेषाप्यङ्केनचरमेण (Sesanyankena Caramena) Text, meanings, working steps, demonstrative illustrations Interrelationship with other Sutras / Upsutras	



Lessons 3	Applications of Ganita Upsutra-12, विलोकनम् (Vilokanam) Text, meanings, working steps, demonstrative illustrations Interrelationship with other Sutras / Upsutras	
Lessons 4	Applications of Ganita Upsutra-11, लोपनस्थापनाभ्याम् (Lopansthanabhyam) Text, meanings, working steps, demonstrative illustrations Interrelationship with other Sutras / Upsutras	
<b>Module 8</b>		15
Lessons 1	Applications of Ganita Sutra-13, सोपान्त्यद्वयमन्त्यम् (Sopantyadvayamantya) Text, meanings, working steps, demonstrative illustrations Interrelationship with other Sutras / Upsutras	
Lessons 2	Applications of Ganita Sutra-14, एकन्यूनेन पूर्वेण (Ekanyunena Purvena) Text, meanings, working steps, demonstrative illustrations Interrelationship with other Sutras / Upsutras	
Lessons 3	Applications of Ganita Upsutra-13 गुणितसमुच्चयः समुच्चय (Gunitasamuccayah) Samuccayagunitah Text, meanings, working steps, demonstrative illustrations Interrelationship with other Sutras / Upsutras	
Lessons 4	Applications of Ganita Sutra-15, गुणितसमुच्चयः (Gunitasamuccayah) Text, meanings, working steps, demonstrative illustrations Interrelationship with other Sutras / Upsutras	
Lessons 5	Applications of Ganita Sutra-16, गुणकसमुच्चयः (Gunakasamuccayah) Text, meanings, working steps, demonstrative illustrations Interrelationship with other Sutras / Upsutras	

### Summary of Modules and Lectures with Weightage

Sr. No.	Modules	No. of Lectures	Marks Allotted in Assignments	Marks Allotted in Written Examination
1	1	1	2	8
2	2	4	3	12
3	3	4	3	12
4	4	4	3	12
5	5	4	2	8
6	6	4	2	8
7	7	4	2	8
8	8	5	3	12
Total	8	30	20	80