



MARUDHAR KESARI JAIN COLLEGE FOR WOMEN, VANIAMBADI

PG & Research Department of Mathematics

Bridge Course 2022-2023

Basic Mathematics and its Applications

Syllabus



Objectives

- To gain concepts of Basic Mathematics
- To Learn about Basic formulae on Algebra & Trigonometry
- To attain the knowledge on Basic concepts of calculus & Analytical Geometry
- To Introduce Numerical Methods concepts
- To educate on Scope & Importance of Mathematics.

Unit-I

Basic Mathematics

Numbers – Basic formula's – Basic Shapes – Nomenclature – Laws of indices

Unit-II

Algebra & Trigonometry

Formulas on Progression – Formulas on Permutation and Combination – Formula on Series - Elementary Techniques – Matrices – Radius – Euler Formula – Hyperbolic Function – Special Triangles.

Unit-III

Calculus & Analytical Geometry

Derivatives – Differential Co-efficient – Basic Formulas – Co-Ordinates – Length – Slope – Angle between Lines – Various Forms of Straight Line – Circles.

Unit-IV

Numerical Methods

Finite Difference – Interpolation – Forward and Backward Difference – Difference Operators.

Unit –V

Values of Mathematics

Scope of Mathematics – Important of Maths in different fields– Department Highlights – Facilities of College.

Course Outcome:

1. To understand the foundation of mathematics
2. Able to perform well in higher education mathematics
3. Able to write and understand basic proofs
4. To develop skill of solving numerical problems
5. To know about the scope & importance of mathematics

Teaching Methodology:

Chalk & talk method, Videos, Power Point Presentation

Subject Allocation:

S. No	Unit	Faculty Name
1	I	S.Semmalar
2	II	C.Nithya
3	III	G.Aruna
4	IV	N.Mahalakshmi
5	V	C.B.Sumathi


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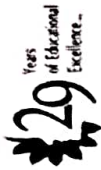
MARUDHAR KESARI JAIN COLLEGE FOR WOMEN, VANIAMBADI

DEPARTMENT OF MATHEMATICS

BRIDGE COURSE 2022 – 2023

CLASS: I B.Sc MATHEMATICS

DATE: 25.07.2022 – 06.08.2022



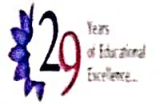
S.NO	DATE	1	2	3	4	5
1	25.07.2022	Introduction Class	Communicative English	Algebra & Trigonometry C.Nithya	Communicative English	Skill
2	26.07.2022	College Tour	Communicative English	Algebra & Trigonometry C.Nithya	Communicative English	Skill
3	27.07.2022	Values of Mathematics C.B.Sumathi	Communicative English	Values of Mathematics C.B.Sumathi	Communicative English	Skill
4	28.07.2022	Algebra & Trigonometry C.Nithya	Communicative English	Algebra & Trigonometry C.Nithya	Communicative English	Skill
5	29.07.2022	Basic Mathematics S.Semmalar	Communicative English	Basic Mathematics S.Semmalar	Communicative English	Skill
6	30.07.2022	Basic Mathematics S.Semmalar	Communicative English	Numerical Methods N.Mahalakshmi	Communicative English	Skill
7	02.08.2022	Numerical Methods N.Mahalakshmi	Communicative English	Numerical Methods N.Mahalakshmi	Communicative English	Skill
8	04.08.2022	Numerical Methods N.Mahalakshmi	Communicative English	Calculus & Analytical Geometry G.Arana	Communicative English	Skill
9	05.08.2022	Calculus & Analytical Geometry G.Arana	Communicative English	Calculus & Analytical Geometry G.Arana	Communicative English	Skill
10	06.08.2022	Video Session	Communicative English	Calculus & Analytical Geometry G.Arana	Communicative English	Skill

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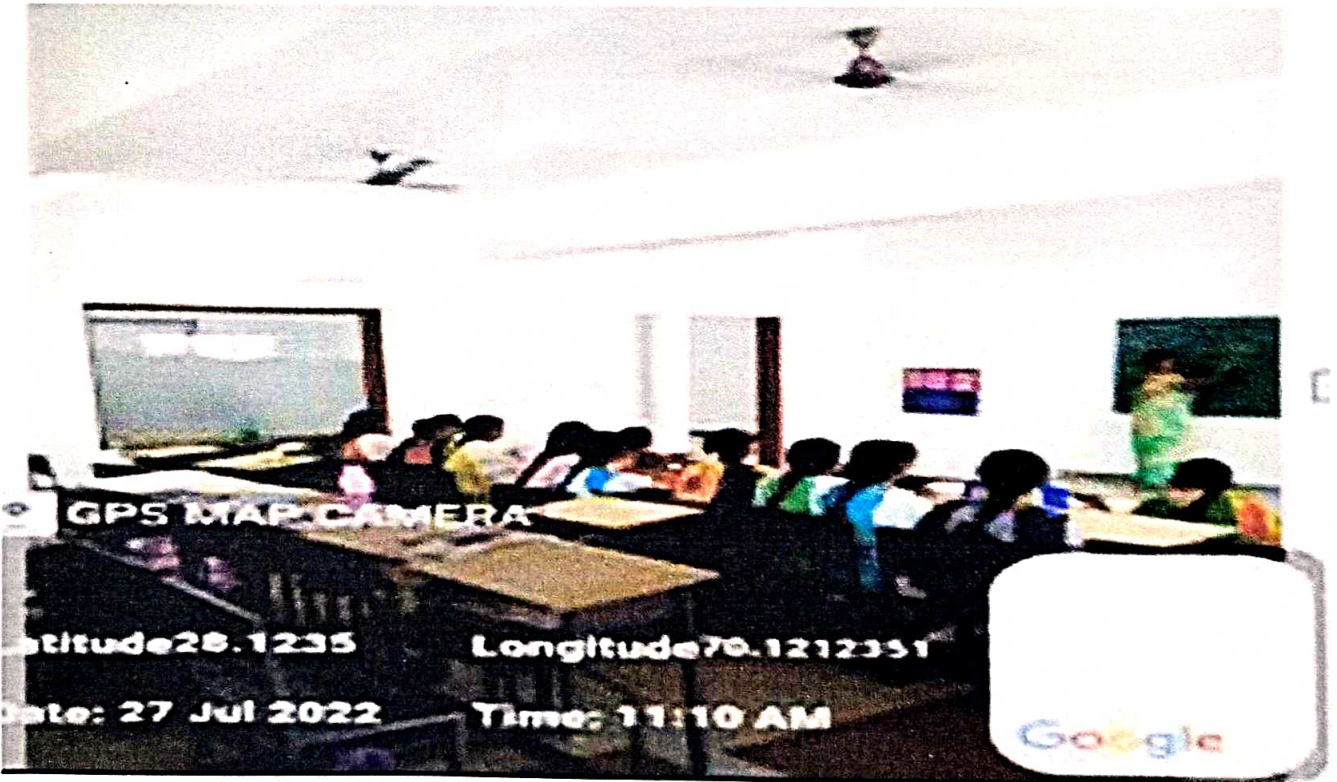


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DEPARTMENT OF MATHEMATICS



BRIDGE COURSE

2022-2023



Smt 6/8/22
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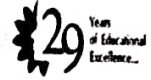
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Bridge Course Attendance



Department : Mathematics

Academic Year :2022-2023

Class: I B.Sc Mathematics

Course Name : Basic Mathematics and its Applications

S.No	Name of the Student	Signature									
		25.07.2022	26.07.2022	27.07.2022	28.07.2022	29.07.2022	30.07.2022	02.08.2022	04.08.2022	05.08.2022	06.08.2022
1	ABINAYA A										
2	ABINAYA S										
3	ANUSIYA C										
4	DEEPIKA M										
5	DHARSHINI M										
6	DIVYA SRI B										
7	FATHIMA ANOUM N										
8	GNANASRI G										
9	GOMATHI V										
10	HEMAVARSHINI J										
11	ILAKIYA V										
12	JEEVITHA R										
13	KAVIYARASI D										
14	KEERTHANA M.P										
15	KOWSALYA R										
16	MANJU R										
17	NIVETHA M										
18	PRASANYA N										
19	RAKSHITHA V										

20	RAMYA S	Rafa	Bnya	Rya	Rya	Raya	Raya	Raya	Raya	Raya	Raya
21	SARATHI T	Sarathj	Suf.	Suf.	Suf.	Suf.	Suf.	Suf.	Suf.	Suf.	Suf.
22	SORNALAKSHMI K	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
23	TAMILARASI C	c.Tamil arasi	c.Tamil arasi	c.Tamil arasi	c.Tamil arasi	c.Tamil arasi	c.Tamil arasi	c.Tamil arasi	c.Tamil arasi	c.Tamil arasi	c.Tamil arasi
24	THILOTHAMA P	Thilo	Thilo	Thilo	Thilo	Thilo	Thilo	Thilo	Thilo	Thilo	Thilo
25	YAMUNA V	Yut	Yut.	Yut.	Yt	Yut.	Yt	Yut.	Yt	Yt.	Yt.
26	YOGALAKSHMI S	a	a	Yogesh	Yogesh	Yogesh	Yogesh	Yogesh	Yogesh	Yogesh	Yogesh
27	JAYASRI K								Q	Q	Q
28	SONIYA G									Q	Q

K. Valas
6/8/22
Class Incharge

Smt. B. B. B. B.
HOD

H. B. B. B. B.
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Bridge Course Feedback



Department : Mathematics

Academic Year :2022-2023

Class: I B.Sc Mathematics

Course Name: Basic Mathematics and its Applications

S.No	Name of the Student	Feedback
1	M.NIVETHA	This class was very useful. GOOD I learned more things.
2	S. Abinaya	In bridge course I got to know the basic formulas in maths and gained knowledge
3	R. Manju.	Bridge course used to get the way of teacher's teaching style
4	N.Fathima Anoum	They told formula's in an easy method and it was very useful
5	M. Deepika	Teachers taught us in a friendly manner & helped us in learning formulas
6	R. Jeevitha	learned basic formula in major subjects. Helped in learning new formula.
7	J. Hemavarshini	We got interest in maths alot during bridge course.
8	N. Prasanya.	It is Very Usefull. We have to know basic things of Maths.
9	K. Sornalakshmi	To recall the basic formulas of bridge course so it useful
10	V. Rakshitha	It is very helpful to recall the basis

K. Valar
6/8/22
Class Incharge

Smt 6/8/22
HOD

M. S. S. S. S.
Principal
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