



MARUDHAR KESARI JAIN COLLEGE FOR WOMEN, VANIYAMBADI

PG & Research Department of Mathematics

Bridge Course 2023-2024



## Basic Mathematics and its Applications

### 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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26/6/23  
HOD

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for Women  
Vanivambadi - 635 751.



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DEPARTMENT OF MATHEMATICS

Bridge Course – Time Table (2023-2024)

CLASS : I B.Sc MATHEMATICS

DATE : 03.07.2023 – 07.07.2023

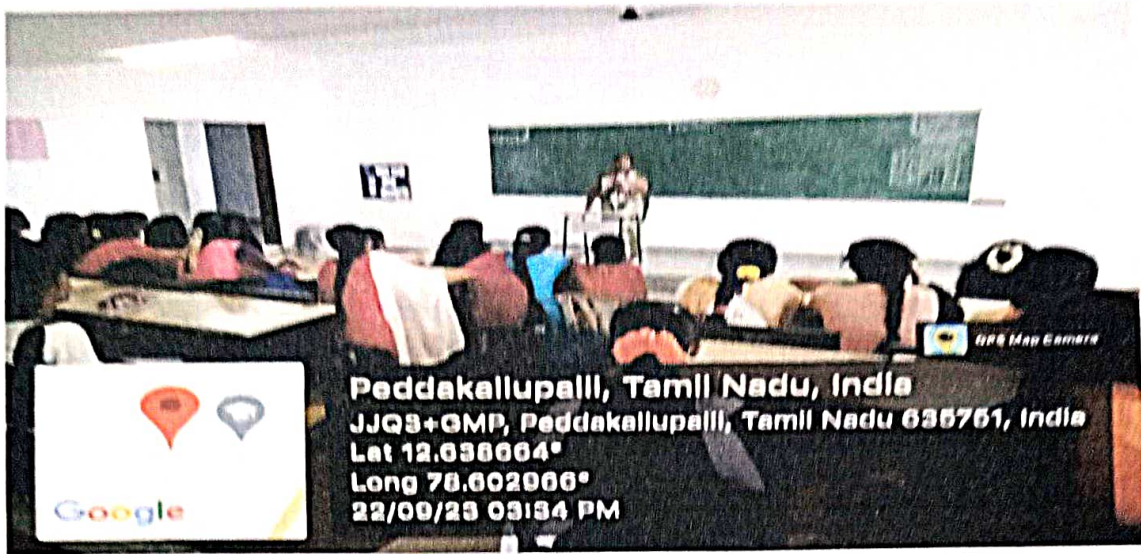
Hour Day Order	1	2	3	4	5	6
I	Basic Mathematics Ms. S.Semmlar	Communicative English	Algebra and Trigonometry Ms. C.Nithya	Sports	Communicative English	Stress Management
II	Algebra and Trigonometry Ms.C.Nithya	Communicative English	Algebra and Trigonometry Ms. C.Nithya	Sports	Communicative English	Personality Development
III	Calculus and Analytical Geomtry Ms.G.Arana	Communicative English	Calculus and Analytical Geomtry Ms. G.Arana	Sports	Communicative English	Nutritional Values
IV	Calculus and Analytical Geomtry Ms.G.Arana	Communicative English	Numerical Methods Ms. N.Mahalakshmi	Sports	Communicative English	Psychology Counselling
V	Numerical Methods Ms N.Mahalakshmi	Communicative English	Values of Mathematics Ms.C.B Sumathi	Sports	Communicative English	Nutritional Values

For J. Semmlar  
HOD 22/06/23

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MARUDHAR KESARI JAIN COLLEGE FOR WOMEN, VANIYAMBADI  
DEPARTMENT OF MATHEMATICS  
BRIDGE COURSE  
2023-2024



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*M. S. S. S. S.*  
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# Marudhar Kesari Jain College for Women, Vaniyambadi

## Bridge Course Attendance



Department : Mathematics  
 Academic Year :2023-2024  
 Class: I B.Sc Mathematics  
 Course Name : Basic Mathematics and its Applications

S.No	Name of the Student	Signature					
		03.07.2023	04.07.2023	05.07.2023	06.07.2023	07.07.2023	08.07.2023
1	ABINAYA G	G. Abinaya	G. Abinaya	G. Abinaya	G. Abinaya	G. Abinaya	G. Abinaya
2	DEEPIKA S	S. Deepika	S. Deepika	S. Deepika	S. Deepika	S. Deepika	S. Deepika
3	GOPIKA S	S. Gopika	S. Gopika	S. Gopika	S. Gopika	S. Gopika	S. Gopika
4	HEMAVATHY P	P. Hemavathy	P. Hemavathy	P. Hemavathy	P. Hemavathy	P. Hemavathy	P. Hemavathy
5	KAMESHWARI R	R. Kameshwari	R. Kameshwari	R. Kameshwari	R. Kameshwari	R. Kameshwari	R. Kameshwari
6	KIRUTHIKA S	S. Kiruthika	S. Kiruthika	S. Kiruthika	S. Kiruthika	S. Kiruthika	S. Kiruthika
7	MADHUBALA P	P. Madhubala	P. Madhubala	P. Madhubala	P. Madhubala	P. Madhubala	P. Madhubala
8	MYTHILY T	T. Mythily	T. Mythily	T. Mythily	T. Mythily	T. Mythily	T. Mythily
9	NANDHINI S	S. Nandhini	S. Nandhini	S. Nandhini	S. Nandhini	S. Nandhini	S. Nandhini
10	NIVETHAA A	A. Nivetha	A. Nivetha	A. Nivetha	A. Nivetha	A. Nivetha	A. Nivetha
11	SADHA VIDHIYA C	C. Sadha Vidhya	C. Sadha Vidhya	C. Sadha Vidhya	C. Sadha Vidhya	C. Sadha Vidhya	C. Sadha Vidhya
12	SANDHIYA S	S. Sandhya	S. Sandhya	S. Sandhya	S. Sandhya	S. Sandhya	S. Sandhya
13	SELVI G	G. Selvi	G. Selvi	G. Selvi	G. Selvi	G. Selvi	G. Selvi
14	SHALINI S	S. Shalini	S. Shalini	S. Shalini	S. Shalini	S. Shalini	S. Shalini
15	SUJARITHA P	P. Sujaritha	P. Sujaritha	P. Sujaritha	P. Sujaritha	P. Sujaritha	P. Sujaritha
16	SUJATHA P	P. Sujatha	P. Sujatha	P. Sujatha	P. Sujatha	P. Sujatha	P. Sujatha
17	THAMIZHARASI G	G. Thamizharasi	G. Thamizharasi	G. Thamizharasi	G. Thamizharasi	G. Thamizharasi	G. Thamizharasi
18	VASANTHAKUMARI K	K. Vasantha Kumari	K. Vasantha Kumari	K. Vasantha Kumari	K. Vasantha Kumari	K. Vasantha Kumari	K. Vasantha Kumari
19	VIDHYA M	M. Vidhya	M. Vidhya	M. Vidhya	M. Vidhya	M. Vidhya	M. Vidhya
20	YOGALAKSHMI A M	A.M. Yogalakshmi	A.M. Yogalakshmi	A.M. Yogalakshmi	A.M. Yogalakshmi	A.M. Yogalakshmi	A.M. Yogalakshmi
21	ZAIBA BAKTHAR S	S. Zaiba Bakthar	S. Zaiba Bakthar	S. Zaiba Bakthar	S. Zaiba Bakthar	S. Zaiba Bakthar	S. Zaiba Bakthar

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 Class Incharge

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 HOD

*[Signature]*  
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Bridge Course Feedback



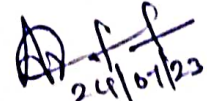
Department : Mathematics


Academic Year :2023-2024


Class: I B.Sc Mathematics

Course Name: Basic Mathematics and Its Applications

S.No	Name of the Student	Feedback
1	S. Deepika.	It was very helpfull to us
2	S. Zaiba Bakthar	It was helpfull to my basic Knowledge
3	A. Nivelha	It helped me to recover basics of maths
4	M. Vidhya	It was very useful.
5	P. Sujaritha.	Good.
6	C. Sadha Vidhya.	Excellent.
7	T. Mythily	It helps to my subjects
8	Pt. Aninaya	very good. It is very useful
9	S. Shalini	It helps to revise Maths formulas
10	P. Madhubala.	It was very useful.

K.   
24/01/23.  
Class Incharge

  
24/1/23.  
HOD

  
Principal  
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