

K. Vaishnavi

Assistant Professor

Department of Mathematics

2021 to 2022

[Even Sem]

TIME TABLE

Work load : 18 hrs

HOURS DAY ORDER	1	2	3	UG-LUNCH PG-4	UG-4 PG-5	5	6
I	← Lab III M →				IM		
II	II Phy & Che		I PG				
III	I PG	II PG			III M		IM
IV	II Phy & Che		IM		I PG	III M	
V	III M		II Phy & Che				III M
VI			IM		II Phy & Che		

Handling Subjects:-

II-PG - II M.Sc Mathematics - Project - 1

I PG - I M.Sc Mathematics - Algebra-II - 3

IM - I B.Sc Mathematics - Analytical Geometry of 3D - 4

III M - III B.Sc Mathematics - Fuzzy Mathematics, C-Practical - 6

II Phy & Che - II B.Sc Physics - Mathematics-II - 4
II B.Sc Chemistry

Total Hrs - 18

LESSON PLAN

CLASS: I M.Sc. Mathematics

SUBJECT: ALGEBRA - II

HOURS: 3hrs

MONTH	Topics To Be Covered	Hours
March	Unit-I: Field Theory. Extension field, Transcendence of e Assignment: 1 Internal Assessment Test - I	14
April	Unit-II: Polynomials and Roots Roots of polynomials, More about roots Assignment-2 Internal Assessment Test - II	12
May	Unit-III: Galois Theory Elements of Galois theory. Assignment: 3 Internal Assessment Test - III	13
June	Revision:	14

CLASS: I - B.Sc Mathematics

SUBJECT: Analytical Geometry of Three Dimensions

HOURS: 4 hrs

MONTH	TOPICS To Be Covered	HOURS
March	<p>Unit-I: Plane</p> <p>General equation of a plane, Equation of a plane in the normal form, Angle between planes, plane through three given points, Equation of a plane through the line of intersection of two planes.</p> <p>Assignment-1, Internal Assessment Test-I</p>	17
April	<p>Unit-II: Straight Line</p> <p>Symmetrical form of a straight line, Image of a point with respect to a plane, Image of a line with respect to a plane, length and equation of the shortest distance between two skew lines, coplanar lines.</p> <p>Assignment-2, Internal Assessment Test-II</p>	15
May	<p>Unit-III: Sphere: Equation of the sphere, Length of the tangent, Tangent plane, Section of a sphere by a plane, orthogonal sphere, Equation of a sphere through a given circle</p> <p>Unit-IV: Cone: Equation of a cone with a given vertex and a given guiding curve, ... Right circular cone, Enveloping cone, Tangency of a plane to a cone</p> <p>Assignment-3, Internal Assessment Test-III</p>	16
June	<p>Unit-V Cylinder:</p> <p>Equation of a cylinder with a given generator and a given guiding curve... Enveloping cylinder as a limiting form of an Enveloping cone.</p> <p>Revision.</p>	17

CLASS: III - B.Sc Mathematics.

SUBJECT: Fuzzy Mathematics.

HOURS: 3 hrs.

Month	Topics To Be Covered	Hours
March.	<p><u>Unit: I</u></p> <p>Introduction, Fuzzy Subset, lattices and Boolean algebra, λ-fuzzy sets, operation on fuzzy, α-level set, Properties of fuzzy subset.</p> <p>Assignment: 1, Internal Assessment Test - I</p>	14
April.	<p><u>Unit: II</u></p> <p>Algebraic product and sum of two fuzzy subset, properties satisfies by addition and product, Cartesian product of fuzzy subsets.</p> <p>Assignment: 2, Internal Assessment Test - II</p>	12
May	<p><u>Unit: III</u></p> <p>Introduction, Algebra of fuzzy, logic Connectives,</p> <p><u>Unit: IV</u></p> <p>Sum more connectives, Introduction of fuzzy subgroup.</p> <p>Assignment: 3 Internal Assessment Test - III</p>	13
June.	<p>Homomorphic Image and pre-image of Subgroupoid.</p> <p><u>Unit: V</u></p> <p>Fuzzy Invariant subgroup, Fuzzy Subrings.</p> <p>Revision.</p>	14

CLASS: II - B.Sc Physics & Chemistry

SUBJECT: Mathematics - II

Hours: 4 hrs

MONTH

TOPICS TO BE COVERED

HOURS

March

Unit-I : Application of Integration
Evaluation of double, triple integrals
Simple applications to area, volume,
Fourier series for function in
(0, 2 π)
Assignment: I Internal Assessment Test I

17

April

Unit-II Partial Differential Equation
Formation, Complete integrals
and general integrals, Four
Standard types, Lagrange's equation.
Assignment: II Internal Assessment Test II

15

May

Unit-III : Laplace Transform.
Laplace transformation of standard
functions and simple properties,
Inverse Laplace transforms,
Application to solutions of linear
differential equations of order 1 and
2, Simple problem.
Internal Assessment Test - III

16

June

Revision.

17

CLASS : III B.Sc , Mathematics .

SUBJECT: C- Practicals. - BPMA 68

Hours: 3 hrs

MONTH	TOPICS TO BE COVERED	HOURS
March	<ul style="list-style-type: none">* ASCII Value Program.* Square of Numbers using For loop. While, Do-while, Go to Statement.* Characters between two given character* Counting the number of vowels and Consonants.	14
April	<ul style="list-style-type: none">* Matrix Multiplication* Prime numbers between two given Numbers.* Fibonacci series.* Factorial numbers.	12
May	<ul style="list-style-type: none">* Power of a value* Interchange sort.* Student record.	13
June	Revision.	14

01.03.22 - 05.03.22.

DATE	DAY ORDER	HOURS & CLASS	TOPICS TO BE COVERED.
01.03.22	<u>ii</u>	1 - II - Phy & Chem Syllabus given. 3 - IM.Sc Syllabus given.	
02.03.22	<u>iii</u>	1 - I - M.Sc. Extension field - Introduction. 2 - II M.Sc. Project 4 - II B.Sc. Syllabus given. 6 - I B.Sc. Syllabus given.	
03.03.22	<u>iv</u>	1 - II Phy & Chem Problems on Double integrals 3 - I B.Sc. General Equation of a plane. 5 - IM.Sc. Theorems on Extension Field. 5 - III B.Sc. Fuzzy subsets	
04.03.22	<u>v</u>	1 - III B.Sc. Fuzzy subsets. 3 - II Phy & Chem Problems on double integrals. 6 - III B.Sc. Sports	
05.03.22	<u>vi</u>	2 - I.C.S. Slip test 3 - I B.Sc. Equation of a plane in the normal form. 4 - II Phy & Chem Problems on double integral.	

Signature of staff : IC-nep

07.08.22 to 11.03.22

DATE	DAY ORDER	HOOR & CLASS	TOPICS TO BE COVERED
07.08.22	<u>I</u>	1 to 3 - III B.Sc 4 - I. B.Sc	C-Lab Introduction, ASCII Program Angle Between plane
08.08.22	<u>II</u>	1 - II Phy & che 3 - I M.Sc	Problems on Triple integral. Theorems on Extension Field.
09.08.22	<u>III</u>	1 - I M.Sc 2 - II M.Sc 4 - III B.Sc 6 - I B.Sc.	Theorems on Extension Field Project. Lattices and Boolean Algebra. Plane through three given points.
10.08.22	<u>IV</u>	1 - II Phy & che 3 - I. B.Sc 5 - I M.Sc 5 - III B.Sc.	Problems on Triple integral. Equation of a plane through the line of intersection of two plane. Theorems on Extension Field. Lattices and Boolean Algebra.
11.08.22	<u>V</u>	1 - III B.Sc 3 - II Phy & che. 6 - IV B.Sc.	L. Fuzzy sets. Simple application to area. Book Reading

Signature of Staff: k. n. p

14.03.2022 to 19.3.2022.

DATE	DAY ORDER	HOUR & CLASS	TOPICS TO BE COVERED.
14.03.22	I	1 to 3 - III B.Sc 4 - I B.Sc	Squaring Number using for loop, while loop. Equation of a plane through the line of intersection of two planes.
15.03.22	II	1 - II Phys & Chem 3 - I M.Sc.	Simple application to area. Theorems on Extension Field.
16.03.22	III	1 - I M.Sc 2 - II M.Sc 4 - III B.Sc 6 - I B.Sc	Theorems on Extension Field. Project, Fuzzy set. Slip test.
17.03.22	IV	1 - II Phys & Chem 2 - II B.Sc 3 - I B.Sc 5 - I M.Sc 5 - III B.Sc	Simple application to volume. Slip test. Symmetrical form of a straight line. Transcendence of e . operation on fuzzy
18.03.22	V	1 - III B.Sc 3 - II Phys & Chem 6 - III B.Sc	α -level set. Simple application to volume. Book Reading
19.03.22	VI	3 - I B.Sc 4 - II Phys & Chem	Symmetrical form of a straight line. Slip test.

Signature of Staff: *[Signature]*

Signature of HOD: *[Signature]*

Signature of Principal: *[Signature]*

21.3.22 to 26.3.22.

DATE	DAY ORDER	HOUR & CLASS	TOPICS TO BE COVERED
21.3.22	I	1 to 3 - III B.Sc 4 - I B.Sc	Squaring number using goto, do-while. Angle between planes.
22.3.22	II	1 - II Phy & Che 3 - I M.Sc	Problems on Fourier series. Remainder Theorem.
23.3.22	III	1 - I M.Sc 2 - II M.Sc 4 - III B.Sc 6 - I B.Sc	Factor Theorem. Project. Properties of fuzzy subsets. Plane through three given points.
24.3.22	IV	1 - II Phy & Che 3 - I B.Sc 5 - I M.Sc 5 - III B.Sc	Problems on Fourier series. asymmetrical form of a straight line. Kronecker theorem. Properties of fuzzy subsets.
25.3.22	V	1 - III B.Sc 2 - II B.Sc 3 - II Phy & Che 6 - III B.Sc	Properties of fuzzy subsets X-test Problems on Fourier series. Book reading.
26.3.22	VI	3 - I B.Sc 4 - II Phy & Che	asymmetrical form of a straight line. Problems on Fourier series.

Signature of Staff: C. V. J.

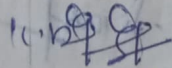
Signature of HOD: A. J. S.

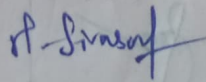
Signature of Principal: A. S. S.

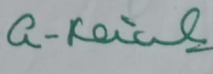
28.3.22 to 01.04.22.

28.3.22 to 01.04.22

DATE	DAY ORDER	Hour & Class	TOPICS TO BE COVERED.
28.3.22	I	1, 2 - III B.Sc 3 - III B.Sc 4 - I B.Sc	I - Internal Examination. Counting the number of Vowels & Consonants. Image of a point with respect to a Plane.
29.3.22	II	1 - II Physche. 3 - I M.Sc.	I - Internal Examination. Fundamental theorem of algebra.
30.3.22	III	1 - I M.Sc 2 - II M.Sc 4 - III B.Sc 6 - I B.Sc	I - Internal Examination. Properties of fuzzy subsets. Image of a point with respect to a Plane.
31.3.22	IV	1 - II physche 3 - I B.Sc 5 - I M.Sc 5 - III B.Sc	Problems on Fourier series. Image of a point with respect to a plane. Splitting field. Algebraic product and sum.
01.04.22	I	1 - III B.Sc 3 - II physche 6 - II B.Sc	I - Internal Examination. PDE - Formation. Smart class.
02.04.22	VI	-	Ugathi Holiday.

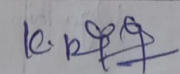
Signature of Staff: 

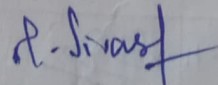
Signature of HoD: 

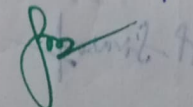
Signature of Principal: 

04.04.2022 to 9.4.2022

DATE	DAY ORDER	HOUR & CLASS	TOPICS TO BE COVERED.
04.4.22	I	1,2-III B.Sc 3-III B.Sc 4-I B.Sc	I - Internal Examination. Characters between two given characters. Image of a line with respect to a line.
5.4.22	II	1-II Phy & che. 3-I M.Sc.	I - Internal Examination. Splitting field.
6.4.22	III	1-I M.Sc 2-II M.Sc 4-III B.Sc 6-I B.Sc	I - Internal Examination. I - Internal Examination. Algebraic product and sum of two fuzzy subset. Image of a line with respect to a line.
7.4.22	IV	1-II Phy & che. 3-I B.Sc 5-I M.Sc 5-II B.Sc	Problems on Formation. Image of a line with respect to a line. Theorems on splitting field. Properties satisfied by addition and Product.
8.4.22	V	1-III B.Sc 3-II Phy & che 6-III B.Sc	Properties satisfied by addition & product. Problems on Formation. Book reading.
9.4.22	VI	3-I B.Sc 4-II Phy & che.	Problems on Shortest distance. Problems on Complete Integral.

Signature of Staff: 


Signature of HOD: 

Signature of Principal: 

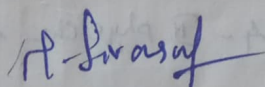
11.4.2022 to 16.4.2022.

DATE	DAY ORDER	Hour & CLASS	TOPICS TO BE COVERED
11.4.22	I	1, 2, 3 - III B.Sc 4 - I B.Sc	Practical - I - Internal Examination. Image of a point with respect to a plane.
12.4.22	II	1 - II phy & che 3 - IM.Sc	Problems on complete Integral. Roots of polynomial.
13.4.22	III	1 - IM.Sc 2 - II M.Sc 4 - IV B.Sc 6 - I B.Sc	Roots of polynomial. Project Cartesian product of fuzzy subset. Image of a line with respect to a plane.
14.4.22 to 16.4.22	-	-	Holiday due to Tamil New year & Good Friday.

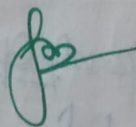
Signature of Staff:



Signature of HOD:

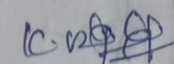


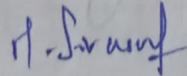
Signature of Principal:




18.4.22 to 23.04.22

DATE	DAY ORDER	Hour of CLASS	Topics To BE COVERED
18.4.22	I	1, 2, 3 - III B.Sc 4 - I B.Sc	Matrix Multiplication Prime Numbers Length and equation of the shortest between two skew lines.
19.4.22	II	1 - II Physic 3 - I M.Sc	Complete Integral of general Roots of polynomials.
20.4.22	III	I - I M.Sc 2 - II M.Sc 4 - III B.Sc 6 - I B.Sc	Roots of polynomials. Project Cartesian product and Fuzzy subsets. Coplanar lines.
21.4.22	IV	-	Bravura - Expo.
22.4.22	-	-	Cultural celebration.
23.4.22	V	3 - I B.Sc 4 - II Physic	Coplanar lines. Standard Types - Four.


Signature of Staff : 

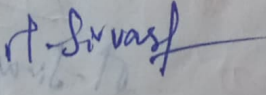
Signature of HOD : 

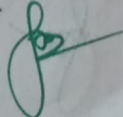
Signature of Principal : 

25.4.22 to 30.4.22

DATE	DAY ORDER	Hour of CLASS	Topics To BE COVERED.
25.4.22	I	1,2,3 - II B.Sc 4 - I B.Sc	II - Internal Examination. Coplanar lines.
26.04.22	II	1 - II Physics 3 - I M.Sc	II - Internal Examination.
27.4.22	III	1 - I M.Sc 2 - II M.Sc 4 - II B.Sc 6 - I B.Sc	II - Internal Examination. Algebra of fuzzy. Equation of the sphere.
28.04.22	IV	1 - II Physics 3 - I B.Sc 5 - I M.Sc 5 - III B.Sc	II - Internal Examination. More about root. Algebra of fuzzy.
29.4.22	V	6 - III B.Sc	Casual leave Made Alternate arrangement with A. Mahalakshmi.
30.4.22	VI	3 - I B.Sc 4 - II Physics	Length of the tangent. Four standard types.

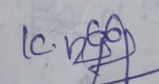
Signature of Staff : K. ~~n~~ 

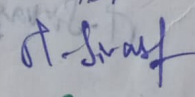
Signature of HOD : 

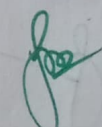
Signature of Principal : 

2.5.22 to 7.5.22.

DATE	DAY ORDER	HOUR & CLASS	TOPICS TO BE COVERED
2.5.22 to 3.5.22	-	-	Holiday due to Ramzan.
4.5.22	<u>III</u>	I - I M.Sc 2 - II M.Sc 4 - III B.Sc 6 - I B.Sc	II - Internal Examination. Logic Tangent plane.
5.5.22	<u>IV</u>	I - II Physche 3 - I B.Sc 5 - I M.Sc 5 - III B.Sc	II - Internal Examination. More about roots Logic.
6.5.22	<u>V</u>	I - III B.Sc 3 - II Physche 6 - III B.Sc	Connectives. Lagrange's Equation. Smart class.
7.5.22	<u>VI</u>	3 - I B.Sc 4 - II Physche	Section of a sphere by a plane Lagrange's Equation.

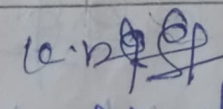
Signature of staff: 

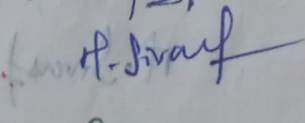
Signature of HOD: 

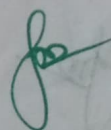
Signature of Principal: 

9.5.22 to 14.5.22

DATE	DAY ORDER	HOURLY CLASS	TOPICS TO BE COVERED
9.5.22	I	1,2,3 - III B.Sc 4 - I B.Sc	Fibonacci series, Factorial number Power of a value. Orthogonal sphere.
10.5.22	II	1 - II Phys & Chem 5 - III Maths 3 - I M.Sc	Properties of Laplace transform Slip test. Elements of Galois's theory
11.5.22	III	1 - I M.Sc 2 - II M.Sc 4 - II B.Sc	Elements of Galois's theory Project. Connectives.
12.5.22	IV	1 - II Phys & Chem 3 - I B.Sc 5 - I M.Sc 5 - III B.Sc	Inverse Laplace transform. Equation of a sphere through a given circle. Elements of Galois's theory. Some more connectives.
13.5.22	V	1 - III B.Sc 2 - I M.Sc 3 - II Phys & Chem 6 - III B.Sc	Fuzzy subgroup. Slip test Inverse Laplace transform Library.
14.5.22	VI	3 - I B.Sc 4 - II Phys & Chem	Casual Leave. Made alternate with S. Revathi & Mrs. Hemalatha.

Signature of Staff: 

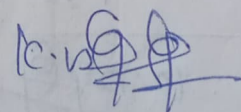
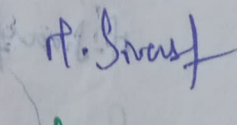
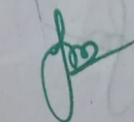
Signature of HOD: 

Signature of Principal: 

16.5.22


to 21.5.22.

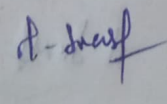
DATE	DAY ORDER	HOUR & CLASS	Topics to be covered.
16.5.22	I	1,2,3 - III B.Sc 4 - IB.Sc	III. Internal practical test Examination Equation of a cone with a given vertex.
17.5.22	II	1 - II Phys & Chem 3 - IM.Sc	Inverse Laplace transform Elements of Galois's theory
18.5.22	III	1 - IM.Sc 2 - II M.Sc 4 - III B.Sc	Elements of Galois's theory Project. Some more connectives.
19.5.22	IV	1 - II Phys & Chem 3 - IB.Sc 5 - IM.Sc 5 - III B.Sc	Inverse Laplace transform - Right circular Cone. Galois's theory Fuzzy sub group.
20.5.22	V	3 - IB.Sc 4 - II Phys & Chem 6 - III B.Sc	Enveloping Cone. Applications to Solution of linear differential Eqn of first order. Book reading.
21.5.22	-	-	Saturday Holiday.


Signature of Staff: Signature of HOD: Signature of Principal: 

23.5.22 to 28.5.22.

DATE	DAY ORDER	Hour & CLASS	TOPICS TO BE COVERED.
23.5.22	I	1, 2, 3 - III B.Sc 4 - I B.Sc	Model Examination. Tangency of a plane to a Cone.
24.5.22	II	1 - II Phy & che 3 - I M.Sc	Model Examination "
25.5.22	III	1 - I M.Sc 2 - II M.Sc 4 - III B.Sc	Model Examination " Homomorphic Image & preimage of Subgroupoid.
26.5.22	IV	1 - II Phy & che 3 - I B.Sc 4 - I CS 5 - I M.Sc 5 - III B.Sc	Model Examination " Revision Revision. Fuzzy invariant subgroup.
27.5.22	V	3 - I B.Sc 4 - I Phy & che 6 - III B.Sc	Model Examination. Application to soln of L.D.F of 2 nd order Book reading.
28.5.22	VI	-	College day Celebration.


Signature of Staff : 

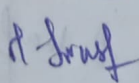
Signature of HOD : 

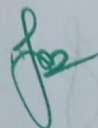
Signature of Principal : 

30.5.22 to 4.6.22

DATE	DAY ORDER	Hour & CLASS	TOPICS TO BE COVERED
30.5.22	I	1, 2, 3 - III B.Sc 4 - I B.Sc	Casual Leave. Made Alternate with G. Sivasankar & S. Subasi
31.5.22	II	1 - II Phy & Che 3 - I M.Sc	Casual Leave. Made Alternate with M. Sivasakthi,
1.6.22	III	1 - I M.Sc 2 - II M.Sc 4 - III B.Sc	Revision Project. Fuzzy Sub rings,
2.6.22	IV	1 - II Phy & Che 3 - I B.Sc 5 - I M.Sc 5 - III B.Sc	Revision Revision Revision Revision.
3.6.22	V	3 - I B.Sc 4 - II Phy & Che 6 - III B.Sc	Revision Revision. Book Reading.
4.6.22	VI	3 - I B.Sc 4 - II Phy & Che	Enveloping cylinder as a form of an Enveloping cone. Revision.

Signature of Staff: K. 

Signature of HOD: A. 

Signature of Principal: 

6.6.22 to 11.6.22

DATE	DAY ORDER	Hour & Class	TOPICS TO BE COVERED:
6.6.22	I	1-2, 3- <u>IV</u> B.Sc 4- I B.Sc	University Practical Examination Revision.
7.6.22	<u>II</u>	1- <u>II</u> phy&che 3- I M.Sc	University Practical Examination. Revision.
8.6.22	<u>III</u>	1- I M.Sc 2- <u>II</u> M.Sc 4- <u>III</u> B.Sc	Revision Revision Revision.
9.6.22	<u>IV</u>	1- <u>II</u> phy&che 3- I B.Sc 5- I M.Sc 5- <u>III</u> B.Sc	Casual leave.
10.6.22	<u>V</u>	3- I B.Sc 4- <u>II</u> phy&che 6- <u>III</u> B.Sc	Casual leave.
11.6.22			Saturday Holiday.

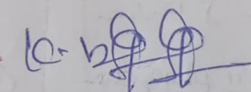
Signature of Staff : K. V. S. S.

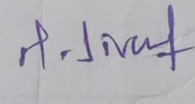
Signature of AOD : A. Swast

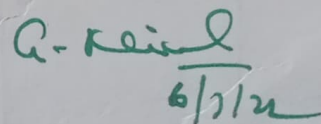
Signature of Principal : J.

13.6.22 to 16.6.22

DATE	DAY ORDER	Hour & Class	TOPICS TO BE COVERED
13.6.22	I	1-2-3-IV B.Sc 4 - I B.Sc	Revision, Revision.
14.6.22	II	1-II Phy & Chem 3 - I Misc	Revision Revision.
15.6.22	III	1 - I Misc 2 - II Misc 4 - III B.Sc	Revision Revision Revision
16.6.22	IV	-	Fare well day

Signature of Staff: 

Signature of HoD: 

Signature of Principal: 
6/1/22