

# CURRICULAR PLAN

Name of the Lecturer: B. Anitha

Department: Chemistry

Class: MPC, BZC  
COMB

Year: II, III

Paper: III & V

Month	Week	Hours available	Syllabus Topic	Additional Input/Value Addition	Curricular Activity				Co-Curricular Activity				
					Activity	Hours Allotted	Whether Conducted	If not, alternate date	Activity	Hours Allotted	Whether Conducted	If not, alternate date	Remarks
<u>Aug'22</u>	1 <sup>st</sup> Week	1											
	2 <sup>nd</sup> Week	1											
	3 <sup>rd</sup> Week	1x3h	<u>Introduction to</u> <u>Exclusion of analyte</u> <u>Significant figures</u> <u>NMR Spectroscopy</u>		<u>Group discussion</u>								
	4 <sup>th</sup> Week	1x3	<u>Error classification</u>										
	5 <sup>th</sup> Week	1x3	<u>Equivalent &amp; Nonequivalent</u> <u>Prop.</u>										

Signature of the Lecturer: 

  
Signature of the Department Incharge

  
Signature of the Principal

# CURRICULAR PLAN

Name: B. Anitha

Department: Chemistry

Class: MP, B2C  
Comb

Year: II<sup>nd</sup>

Paper: VI

SEP 22

Sem	Hours available	Syllabus Topic	Additional Input/Value Addition	Curricular Activity				Co-Curricular Activity			
				Activity	Hours Allotted	Whether Conducted	If not, alternate date	Activity	Hours Allotted	Whether Conducted	If not, alternate date
III Sem	1x3	Classification of Brns									
V Sem	1x3	Chemical Shift									
III Sem	1x3	Carbanions - Introduction		Assignmt		Yes		Quiz - Extension lectures		Yes	
V Sem	1x3	Splitting of signals									
III Sem	1x3	Carbanions									
V Sem	1x3	Spin-Spin coupling									
III Sem	1x3	Acidic nature of $\alpha$ -H		Group Dismissal		Yes					
V Sem	1x3	Representation of NMR - Spectrum									

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# CURRICULAR PLAN

Name of the Lecturer :

B. Anitha

Department:

Chemistry

Class :

MPC, B2C  
Comb

Year :

II<sup>nd</sup> & III<sup>rd</sup>

Paper :

III & IV

Month	Week	Hours available	Syllabus Topic	Additional Input/Value Addition	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity	Hours Allotted	Whether Conducted	If not, alternate date	Activity	Hours Allotted	Whether Conducted	If not, alternate date		
Oct	1 <sup>st</sup> Week	-												
II <sup>nd</sup>	2 <sup>nd</sup> Week	1x3	Tautomers						Field Trip	<del>1x3</del>	- No -			
IV <sup>th</sup>	4 <sup>th</sup> Week	1x3	NMR - Spectroscopy											
III <sup>rd</sup>	3 <sup>rd</sup> Week	1x3	Stability of Carbanions		Only			Yes						
V <sup>th</sup>	5 <sup>th</sup> Week	1x3	NMR of Ethyl bromide											
III <sup>rd</sup>	3 <sup>rd</sup> Week	1x3	Terminal alkynes											
V <sup>th</sup>	5 <sup>th</sup> Week	1x3	NMR of acetaldehyde											
	6 <sup>th</sup> Week													

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Name of the student: B. Anitha

Department: Chemistry

Class: MPL, B2C Comb

Year: II<sup>nd</sup> III

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NOV/22

Sl. No.	Date	Week	Hours available	Syllabus Topic	Additional Input/Value Addition	Curricular Activity				Co-Curricular Activity			
						Activity	Hours Allotted	Whether Conducted	If not, alternate date	Activity	Hours Allotted	Whether Conducted	If not, alternate date
1	IV	Week	1x3	Aldol Condensation reaction reactions									
2	IV	Week	1x3	NMR of 1, 1, 2 dibromo ethane etc									
3	IV	Week	1x3	Isotopomer ratios									
4	IV	Week	1x3	NMR - ethyl acetate & acetophenone					Field Trip		Yes		
5	IV	Week	1x3	Bayer's condensation									
6	IV	Week	1x3	Mass Spectroscopy introduction				Student Seminar - Yes					
7	IV	Week	1x3	Phase rule -									
8	IV	Week	1x3	Nitrogen rule									

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Signature of the Department Incharge: 

Signature of the Principal: 

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# CURRICULAR PLAN

the teacher: B. Anitha

Department: chemistry

Class: MPL, BZC  
comb

Year: II & III

Paper: III & IV

Month	Week	Hours available	Syllabus Topic	Additional Input/Value Addition	Curricular Activity				Co-Curricular Activity				Remarks
					Activity	Hours Allotted	Whether Conducted	If not, alternate date	Activity	Hours Allotted	Whether Conducted	If not, alternate date	
DEC	1 <sup>st</sup> Week	1x3	<del>Phase rule</del> One component systems										
	2 <sup>nd</sup> Week	1x3	Representations & Mass Spectra										
JAN	1 <sup>st</sup> Week	1x3	<del>Phase rule</del> Two Component systems										
	2 <sup>nd</sup> Week	1x3	Mass Spectrometry										
FEB	1 <sup>st</sup> Week	1x3	<del>Phase rule</del> Two component systems										
	2 <sup>nd</sup> Week	1x3	Mass Spectrometry										
	3 <sup>rd</sup> Week	-											
	4 <sup>th</sup> Week	-											

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# CURRICULAR PLAN

B. Anithe

Department: Chemistry Class: MPC, B2C Year: I Paper: I

Week	Hours available	Syllabus Topic	Additional Input/Value Addition	Curricular Activity			Co-Curricular Activity		
				Activity	Hours Allotted	Whether Conducted	Activity	Hours Allotted	Whether Conducted
Oct 22									
I Sem	1x3	General Principles of inorganic qualitative analysis		Bridge Course	1w	Yes			
I Sem	1x3	Ammonia Analysis							
I Sem	1x3	Variable group anion reactions							

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Signature of the Principal

# CURRICULAR PLAN

Teacher: B. Anitha Department: Chemistry Class: MPC, B2C Year: I Paper: I  
Comb

Month	Week	Hours available	Syllabus Topic	Additional Input/Value Addition	Curricular Activity				Co-Curricular Activity				
					Activity	Hours Allotted	Whether Conducted	If not, alternate date	Activity	Hours Allotted	Whether Conducted	If not, alternate date	Remarks
Nov 22	I	1x3	Reactions of Halide group anions.		Student Enrich		Yes						
	II	1x3	Reactions of water soluble & insoluble anions		Assignment		Yes	1	Field Trip		Yes		
	III	1x3	Cation Analysis										
	IV	1x3	Solubility product & common ion effect.										
	Week												

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# CURRICULAR PLAN

Name of the Lecturer : B. Anitha

Department: Chemistry

Class : I  
MPC, B2C  
Combs

Year : I

Paper : I

S.No.	Month	Week	Hours available	Syllabus Topic	Additional Input/Value Addition	Curricular Activity				Co-Curricular Activity				Remarks
						Activity	Hours Allotted	Whether Conducted	If not, alternate date	Activity	Hours Allotted	Whether Conducted	If not, alternate date	
1.	<u>Dec'</u> <u>2022</u>	1 <sup>st</sup> Week		<u>Carbon Analysis</u> <u>I, II &amp; III Group</u> <u>carbon</u>										
2.		2 <sup>nd</sup> Week		<u>Analysis of IV,</u> <u>V &amp; VI group</u> <u>carbon.</u>		<u>Group</u> <u>discussing</u>	<u>the</u>	<u>Yes</u>						
3.		3 <sup>rd</sup> Week		<u>Stereoisomerism</u> <u>- Structure &amp;</u> <u>Stereoisomerism</u>										
4.		4 <sup>th</sup> Week		-										
5.		5 <sup>th</sup> Week												

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# CURRICULAR PLAN

The Lecturer : B. Anitha

Department: Chemistry

Class : IMK  
BSc, Comb

Year : 1

Paper : I

Month	Week	Hours available	Syllabus Topic	Additional Input/Value Addition	Curricular Activity				Co-Curricular Activity				
					Activity	Hours Allotted	Whether Conducted	If not, alternate date	Activity	Hours Allotted	Whether Conducted	If not, alternate date	Remarks
<u>Jan</u>													
<u>1x3</u>	<u>1<sup>st</sup> Week</u>		<u>Stereoisomers Configuration &amp; Conformation of n-pentane</u>										
<u>1x3</u>	<u>2<sup>nd</sup> Week</u>		<u>Solid State Chemistry - law of crystallography</u>										
<u>1x3</u>	<u>3<sup>rd</sup> Week</u>		<u>Symmetry elements in crystal system</u>		<u>Assignments</u>	<u>Yes</u>							
<u>1x3</u>	<u>4<sup>th</sup> Week</u>		<u>Law of Combustion Law of multiple proportions Structural determination of NaCl.</u>										
	<u>5<sup>th</sup> Week</u>												

B. Anitha  
Signature of the Lecturer

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# CURRICULAR PLAN

Name of the teacher: B. Anitha Department: Chemistry Class: MPC, B2E Year: I Paper: I

S.No.	Month	Week	Hours available	Syllabus Topic	Additional Input/Value Addition	Curricular Activity				Co-Curricular Activity				Remarks
						Activity	Hours Allotted	Whether Conducted	If not, alternate date	Activity	Hours Allotted	Whether Conducted	If not, alternate date	
1.	Feb	1 <sup>st</sup> Week	1x3	Structure & properties of NaCl.		Discussed imp Questions	Yes							
2.		2 <sup>nd</sup> Week												
3.		3 <sup>rd</sup> Week												
4.		4 <sup>th</sup> Week												
5.		5 <sup>th</sup> Week												

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## CURRICULAR PLAN

The Lecturer : B. Anitha

Department : Chemistry

Class : MPL B2L  
C2MB

IV & V

Year :

Paper : IV & V

Month	Week	Hours available	Syllabus Topic	Additional Input/Value Addition	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity	Hours Allotted	Whether Conducted	If not, alternate date	Activity	Hours Allotted	Whether Conducted	If not, alternate date		
Sem 23	1 <sup>st</sup> Week		—											
	2 <sup>nd</sup> Week		—											
	3 <sup>rd</sup> Week	1 x 3 1 x 2	Chemical Kinetics - Introduction  Introduction to the syllabus		Assignment		Yes							
	4 <sup>th</sup> Week	1 x 3 1 x 2	Rate of reaction (Specific Ave) - prob Enzymes - definition Characteristics: eg:-											
	5 <sup>th</sup> Week													

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# CURRICULAR PLAN

the Lecturer : B. Anthe Department: Chemistry Class : MPL, B2L Year : II<sup>nd</sup> Yr Paper : VI & V

Month	Week	Hours available	Syllabus Topic	Additional Input/Value Addition	Curricular Activity				Co-Curricular Activity				Remarks
					Activity	Hours Allotted	Whether Conducted	If not, alternate date	Activity	Hours Allotted	Whether Conducted	If not, alternate date	
Feb'23	1 <sup>st</sup> Week	1x2	Factors affecting rate of reaction.		Assignment		Yes						
	1x2	1x2	Factors affecting Enzyme activity										
1x3	2 <sup>nd</sup> Week	1x2	Order of molecularly										
	1x2	1x2	Specificity of enzyme action.										
1x3	3 <sup>rd</sup> Week	1x2	Examples for I & II order reaction		Duty		Yes						
	1x2	1x2	Enzyme Inhibitors										
1x3	4 <sup>th</sup> Week	1x2	Hydrolysis of methyl acetate.										
	1x2	1x2	Types of Enzyme Inhibition.										
	5 <sup>th</sup> Week												

  
 re of the Lecturer


  
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## CURRICULAR PLAN

Name of the Lecturer : B. Anil Kumar Department : Chemistry Class : MP, B2L Year : B & III Paper : VI & IV

S.No.	Month	Week	Hours available	Syllabus Topic	Additional Input/Value Addition	Curricular Activity				Co-Curricular Activity			
						Activity	Hours Allotted	Whether Conducted	If not, alternate date	Activity	Hours Allotted	Whether Conducted	If not, alternate date
1.	1 x 3 1 x 2 March 23	1 <sup>st</sup> Week		Decomposition of $H_2O_2$ Introduction - Drug Action "Receptor theory"									
2.	1 x 3 1 x 2	2 <sup>nd</sup> Week		Derivation of rate constant (k) for 1 order reactions Mechanism of Drug Action		Group discussion	yes						
3.	1 x 3 1 x 2	3 <sup>rd</sup> Week		Characteristics of 1 <sup>st</sup> order reaction concept of agonists & antagonists - eg.									
4.	1 x 3 1 x 2	4 <sup>th</sup> Week		Problem - 1 <sup>st</sup> order reaction drug-receptor-interactions									
5.		5 <sup>th</sup> Week											

  
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## CURRICULAR PLAN

the Lecturer : B. Anitha Department: Chemistry Class : MPC, B2C Year : II & III Paper : IV & V

Month	Week	Hours available	Syllabus Topic	Additional Input/Value Addition	Curricular Activity				Co-Curricular Activity				Remarks
					Activity	Hours Allotted	Whether Conducted	If not, alternate date	Activity	Hours Allotted	Whether Conducted	If not, alternate date	
April 23	1 <sup>st</sup> Week	1x3	Derivation of $k_{obs}$ rate constant										
		1x2	Drug receptor-Interacts Binding role of -OH group										
2 <sup>nd</sup> Week	1x3	1x3	Derivation of $k_{obs}$ rate constant										
		1x2	Binding role of -NH <sub>2</sub> group										
3 <sup>rd</sup> Week	1x3	1x3	Characteristics of 2 <sup>nd</sup> order rate constant		Group Discussion	Yes							
		1x2	-NH <sub>2</sub> - quaternary ammonium salt & double bond										
4 <sup>th</sup> Week	1x3	1x3	Problems on 2 <sup>nd</sup> order rate constant										
		1x2	Structure activity relationship										
5 <sup>th</sup> Week													

  
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# CURRICULAR PLAN

the Lecturer : B. Anilthe


Department: Chemistry

Class : MPL, BSc  
6<sup>th</sup>

Year : IV & V

Paper : IV & V

Month	Week	Hours available	Syllabus Topic	Additional Input/Value Addition	Curricular Activity				Co-Curricular Activity				Remarks
					Activity	Hours Allotted	Whether Conducted	If not, alternate date	Activity	Hours Allotted	Whether Conducted	If not, alternate date	
May 23	1 <sup>st</sup> Week	1x3	Photochemistry - Photochemical Reactions										
		1x2	Structure-Activity Relationship - eg -										
	2 <sup>nd</sup> Week	1x3	Quantum yield -		Symposium	Yes							
		1x2	SAR - Sulfonamides										
	3 <sup>rd</sup> Week	1x3	Examples of drugs										
		1x2	Discussion of imp Questions										
	4 <sup>th</sup> Week												
	5 <sup>th</sup> Week												

  
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Signature of the Department Incharge

  
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# CURRICULAR PLAN

of the Lecturer : B. Anitha


Department: chemistry

Class : MPC, B2C  
comb

I year ✓  
II Sem ✓  
Paper : IV, V, VI

Year : \_\_\_\_\_  
Paper : \_\_\_\_\_

Month	Week	Hours available	Syllabus Topic	Additional Input/Value Addition	Curricular Activity				Co-Curricular Activity				Remarks
					Activity	Hours Allotted	Whether Conducted	If not, alternate date	Activity	Hours Allotted	Whether Conducted	If not, alternate date	
March 23	1 <sup>st</sup> Week		—										
	2 <sup>nd</sup> Week	2x2	Quantitative analysis Acid-Base - Titrations										
	3 <sup>rd</sup> Week	2x2	Theory of Acid- Base titrations		Study	y	yes						
	4 <sup>th</sup> Week	2x2	Theory of Redox Titrations										
	5 <sup>th</sup> Week												

  
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# CURRICULAR PLAN

I year II Sem

of the Lecturer : B. Anitha


Department: Chemistry

Class : MPL, B2C  
Comb

Year : II & III

Paper : IV & V

Month	Week	Hours available	Syllabus Topic	Additional Input/Value Addition	Curricular Activity				Co-Curricular Activity				Remarks
					Activity	Hours Allotted	Whether Conducted	If not, alternate date	Activity	Hours Allotted	Whether Conducted	If not, alternate date	
April 23	1 <sup>st</sup> Week	2x3	Theory of precipitation reactions										
	2 <sup>nd</sup> Week	2x3	Theory of Complex ionic reactions		Group Discussion	Yes							
	3 <sup>rd</sup> Week	2x3	Stereoisomerism Plane polarised light - Dymetric & Diastereoisomerism										
	4 <sup>th</sup> Week	2x3	Carbonyl group Cip rules with Examples.										
	5 <sup>th</sup> Week												

  
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## CURRICULAR PLAN

of the Lecturer : B. Anitha Department: Chemistry Class : MPL, B2C Year : 2018 Paper : RI Sem-II

Month	Week	Hours available	Syllabus Topic	Additional Input/Value Addition	Curricular Activity				Co-Curricular Activity				Remarks
					Activity	Hours Allotted	Whether Conducted	If not, alternate date	Activity	Hours Allotted	Whether Conducted	If not, alternate date	
May 20	1 <sup>st</sup> Week	2x2	Electrochemistry										
	2 <sup>nd</sup> Week	2x2	Electrochemistry		Assignment	2/5							
	3 <sup>rd</sup> Week	2x2	Electrochemistry										
	4 <sup>th</sup> Week	2x2	Electrochemistry										
	5 <sup>th</sup> Week												

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