



Marudhar Kesari Jain College for Women, Vaniyambadi

PG Department of Chemistry

Bridge Course Syllabus 2022-2023

Course Name: Essential of Chemistry



Course Objective: Basic concepts regarding Atomic Structure, Periodic trends, Principles Chemical Analysis, Organic Compounds and Higher studies & Job Opportunities

Unit - I: Atomic Structure

Structure of an atom, atomic number, atomic weight, stable and unstable atoms, molecules Atomic Orbitals, quantum, numbers—Azimuthal, magnetic and spin Quantum numbers and their significance. Pauli's exclusion principle, Hund's rule & Aufbau principle

Unit -II: Periodic trends

Periodictable trends—Electron configuration, Atomic radii, Ionization energy, Electronegativity, Electron affinity, Metallic characters.

Unit –III: Principles Chemical Analysis

Definition - Molarity, normality, Molarity and mole fraction-Types of titrimetric reactions acid - base, redox, precipitation and complex metric titrations, Indicators neutralization, redox, adsorption and metalion indicators.

Unit –IV: Organic Compounds

There are four main types, or classes, of organic compounds found in all living things: carbohydrates, lipids, proteins, and nucleic acids.

Unit –V: Career Perspective: Job opportunities

TNPSC Lab Assistant, Food Safety Officer, Pharmacist, Analytical Chemist, QC Chemist, Chemistry Faculty, Trainee Chemist, Food Analyst, Lab Assistant Manager and Research Chemist

Course Outcome: Undertake further studies related to chemistry

To grasp about basic knowledge about periodic trends,
atomic structure, Chemical Analysis and Job Opportunities

Teaching Methodology: Traditional Blackboard, Power point presentation, Group Discussion, Demonstration, Team Exercise and Short Video

Subject Allocation

S. No	Unit	Faculty Name
1	Unit - I: Atomic Structure	A.Krithika
2	Unit -II: Periodic trends	R.Ramya
3	Unit –III: Principles Chemical Analysis	P.Mayuri
4	Unit –IV: Organic Compounds	R. Ramya
5	Unit –V: Career Perspective: Job opportunities	M.Kaviya

P. Malvi
HOD 19/11/22

M. Kaviya
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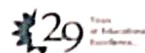
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PG DEPARTMENT OF CHEMISTRY

BRIDGE COURSE TIME TABLE

I UG CHEMISTRY -2022



Day Order	1	2	3	4	5
I	Periodicity & Chemical Analysis (Ms.M. Kaviya)	Communicative English	Periodicity & Chemical Analysis (Ms.A. Krithiga)	Communicative English	Skill Training
II	Periodicity & Chemical Analysis (Ms.A. Krithiga)	Communicative English	Periodicity & Chemical Analysis (Ms.P. Mayuri)	Communicative English	Skill Training
III	Periodicity & Chemical Analysis (Ms.P. Mayuri)	Communicative English	Periodicity & Chemical Analysis (Ms.A. Krithiga)	Communicative English	Skill Training
IV	Periodicity & Chemical Analysis (Ms.A. Krithiga)	Communicative English	Periodicity & Chemical Analysis (Ms.M. Kaviya)	Communicative English	Skill Training
V	Periodicity & Chemical Analysis (Ms.P. Mayuri)	Communicative English	Periodicity & Chemical Analysis (Ms.A. Krithiga)	Communicative English	Skill Training
VI	Periodicity & Chemical Analysis (Ms.M. Kaviya)	Communicative English	Periodicity & Chemical Analysis (Ms.P. Mayuri)	Communicative English	Skill Training

FACULTY NAME LIST

S.No	Unit	Faculty Name
1	Unit 1&3	Ms.M.Kaviya
2	Unit 4	Ms.P.Mayuri
3	Unit 2&5	Ms.A.Krithiga

HOD 26/1/2024

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PG DEPARTMENT OF CHEMISTRY

BRIDGE COURSE PHOTO 2022



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26/7/2022
HOD

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Marudhar Kesari Jain College for Women, Vaniyambadi
Bridge Course Attendance

29 Years
of Educational
Excellence...

Department : Chemistry
Academic Year :2022-2023
Class: I B.Sc CHEMISTRY
Course Name: Essential of Chemistry

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	AFRA TASKEEN B										
2	AFSA T K	AFSA T K	AFSA T K	AFSA T K	AFSA T K	AFSA T K	AFSA T K	AFSA T K	AFSA T K	AFSA T K	AFSA T K
3	BHAVADHARANI A	Bhava A	Bhava A	Bhava A	Bhava A	Bhava A	Bhava A	Bhava A	Bhava A	Bhava A	Bhava A
4	DEVI D	Devi D	Devi D	Devi D	Devi D	Devi D	Devi D	Devi D	Devi D	Devi D	Devi D
5	DEVIKA R	Devika R	Devika R	Devika R	Devika R	Devika R	Devika R	Devika R	Devika R	Devika R	Devika R
6	DIVYA G	Divya G	Divya G	Divya G	Divya G	Divya G	Divya G	Divya G	Divya G	Divya G	Divya G
7	FARZANA K	Farzana K	Farzana K	Farzana K	Farzana K	Farzana K	Farzana K	Farzana K	Farzana K	Farzana K	Farzana K
8	JANAVI S	Janavi S	Janavi S	Janavi S	Janavi S	Janavi S	Janavi S	Janavi S	Janavi S	Janavi S	Janavi S
9	JAYALAKSHMI A	Jayal A	Jayal A	Jayal A	Jayal A	Jayal A	Jayal A	Jayal A	Jayal A	Jayal A	Jayal A
10	KANMANI G	Kanmani G	Kanmani G	Kanmani G	Kanmani G	Kanmani G	Kanmani G	Kanmani G	Kanmani G	Kanmani G	Kanmani G
11	KAVIYA P	Kaviya P	Kaviya P	Kaviya P	Kaviya P	Kaviya P	Kaviya P	Kaviya P	Kaviya P	Kaviya P	Kaviya P
12	KEERTHIKA G	Keerthika G	Keerthika G	Keerthika G	Keerthika G	Keerthika G	Keerthika G	Keerthika G	Keerthika G	Keerthika G	Keerthika G
13	MAGESHWARI R	Magesh R	Magesh R	Magesh R	Magesh R	Magesh R	Magesh R	Magesh R	Magesh R	Magesh R	Magesh R
14	MALATHI P	Malathi P	Malathi P	Malathi P	Malathi P	Malathi P	Malathi P	Malathi P	Malathi P	Malathi P	Malathi P
15	MATHI M	Mathi M	Mathi M	Mathi M	Mathi M	Mathi M	Mathi M	Mathi M	Mathi M	Mathi M	Mathi M
16	MEENA E	Meena E	Meena E	Meena E	Meena E	Meena E	Meena E	Meena E	Meena E	Meena E	Meena E
17	MOHANA PRIYA S	Mohana Priya S	Mohana Priya S	Mohana Priya S	Mohana Priya S	Mohana Priya S	Mohana Priya S	Mohana Priya S	Mohana Priya S	Mohana Priya S	Mohana Priya S
18	NIVETHITHAA P	Nivethitha P	Nivethitha P	Nivethitha P	Nivethitha P	Nivethitha P	Nivethitha P	Nivethitha P	Nivethitha P	Nivethitha P	Nivethitha P
19	POOJA R	Pooja R	Pooja R	Pooja R	Pooja R	Pooja R	Pooja R	Pooja R	Pooja R	Pooja R	Pooja R
20	RAMYA B	Ramya B	Ramya B	Ramya B	Ramya B	Ramya B	Ramya B	Ramya B	Ramya B	Ramya B	Ramya B
21	RAMYA D	Ramya D	Ramya D	Ramya D	Ramya D	Ramya D	Ramya D	Ramya D	Ramya D	Ramya D	Ramya D
22	SATHYA A	Sathya A	Sathya A	Sathya A	Sathya A	Sathya A	Sathya A	Sathya A	Sathya A	Sathya A	Sathya A
23	SHALINI JANA J	Shalini Jana J	Shalini Jana J	Shalini Jana J	Shalini Jana J	Shalini Jana J	Shalini Jana J	Shalini Jana J	Shalini Jana J	Shalini Jana J	Shalini Jana J
24	SHALMA S	Shalma S	Shalma S	Shalma S	Shalma S	Shalma S	Shalma S	Shalma S	Shalma S	Shalma S	Shalma S
25	UMAMAGESHWARI S	U. Umamagesh S	U. Umamagesh S	U. Umamagesh S	U. Umamagesh S	U. Umamagesh S	U. Umamagesh S	U. Umamagesh S	U. Umamagesh S	U. Umamagesh S	U. Umamagesh S
26	UMAMAKHANUM P	U. Umamakh P	U. Umamakh P	U. Umamakh P	U. Umamakh P	U. Umamakh P	U. Umamakh P	U. Umamakh P	U. Umamakh P	U. Umamakh P	U. Umamakh P
27	VASUGI M	Vasugi M	Vasugi M	Vasugi M	Vasugi M	Vasugi M	Vasugi M	Vasugi M	Vasugi M	Vasugi M	Vasugi M
28	VEDHANAYAGI S	Vedhanayagi S	Vedhanayagi S	Vedhanayagi S	Vedhanayagi S	Vedhanayagi S	Vedhanayagi S	Vedhanayagi S	Vedhanayagi S	Vedhanayagi S	Vedhanayagi S
29	YUVALAKSHMI D	Yuvalakshmi D	Yuvalakshmi D	Yuvalakshmi D	Yuvalakshmi D	Yuvalakshmi D	Yuvalakshmi D	Yuvalakshmi D	Yuvalakshmi D	Yuvalakshmi D	Yuvalakshmi D
30	VARKIS SULTHANA M	Varkis Sulthana M	Varkis Sulthana M	Varkis Sulthana M	Varkis Sulthana M	Varkis Sulthana M	Varkis Sulthana M	Varkis Sulthana M	Varkis Sulthana M	Varkis Sulthana M	Varkis Sulthana M
31	MONISHA K	Monisha K	Monisha K	Monisha K	Monisha K	Monisha K	Monisha K	Monisha K	Monisha K	Monisha K	Monisha K

T. Ganesh
CLASS TEACHER

P. M. Murali
HOD

P. M. Murali
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BRIDGE COURSE FEEDBACK

Department: Chemistry

Academic year: 2022-2023

Class : I B.Sc Chemistry

Course Name: Essential of Chemistry

S.No	Name	Feedback
1.	AFRA TASKEEN.B	The bridge course was very useful and very inter active. It used me learning more.
2.	AFSA.T.K	The bridge course was incredibly helpful in filling the gaps in my knowledge and skills.
3.	Bhavadhara C.A	I Loved how interactive and engaging the classes were it made learning.
4.	Devi.D	The bridge course are very useful to communicate others person.
5.	Divya. G.	There is very useful and interesting.
6.	Devika	The course is very useful.
7.	Farzana. K.	The bridge Course was very excellent. It is very useful for how we can skills knowledge.
8.	Janavi.S	The course help to achieve the desired learning outcomes & goals.
9.	A.Jayalakshmi	This course is useful.
10.	G.Kanmani	The bridge course is useful.
11.	KAVIYA.P	This feedback is the bridge course specific and honest teaching.
12.	Keerthika. G	Course were good and the basic of the subjects were teachen very well.
13.	Magshewari.R	The bridge course its useful. and knowledge developed the learning more.
14.	MALATHI.P	I have helped in the bridge course for the knowledge.
15.	MATHI.M	The bridge course was very good. It is very useful we can learning.
16.	MEENA.E	A bridge course is a transitional Program that helps in the course.

17	P. Mohana Priya	I have learned many new ideas
18	Nivethithaa . P	This course help for basic concept & general knowledge.
19	R. POOJA	I have learned so many basic of knowledge in bridge course.
20	RAMYA . B	The bridge course is a very interested and helpful
21.	D. Ramaya.	The course was very useful.
22	A. Sathya	The bridge course is useful knowledge and it was me learning more.
23	J. shaliniyas	It is very effective in many ways
24)	Shalma . S .	To gain effective knowledge about grammar.
25.	Umamageshwarini . S	It is very effective we can able to know knowledge.
26.	Umama Khanum . P	It's absolutely the most important session we got and have used it.
27.	Vasugi . M	The bridge course is very useful . I have learned many basis.
28.	vedhanayagi . S	The course is very useful.
29.	YUVALAKSHMI . D	The bridge was very useful and we gained knowledge.
30.	M. VARKIS SULTHANA	It is Very Useful.
31	K. Monisha	The Bridge course was useful and we gained knowledge.

R. Kalay
26/7/2022
Class Teacher

R. M. Mulla
26/7/2022
HOD

Principal
26/7/2022
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