

NOTICE

All the faculty members are hereby informed that, our departmental meeting is scheduled on 31/12/2021 (Friday) at 3:15 pm. in Department of Chemistry. Please make it convenient to be present on time.

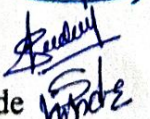
The agenda of meeting is as follows.

- 1) Departmental Time Table – Revise
- 2) Time table for Internal Examination.
- 3) Distribution of remaining topics of B.Sc.- III and M.Sc. I & II.
- 4) Preparation – Poster presentation activity.
- 5) B.Sc. III and M.Sc. II Projects completion deadline (Considering lockdown)
- 6) Lead College activity – Workshop
- 7) Revise of Syllabus – B.Sc. II, M.Sc. I, M.Sc. II Inorganic Chemistry
[B.Sc. I year CO, PSO]
- 8) Remedial teaching and Bridge course record of B.Sc. I & II (For academic year 2020-21)
- 9) Any other matter to be discussed.

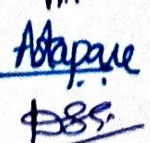
1) Dr. K.A.Undale



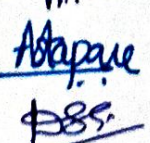
2) Dr. S.A. Ankushrao



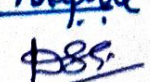
3) Dr. S.S.Kadam



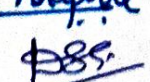
4) Dr. Mrs..S.D.Shinde



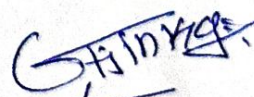
5) Dr. A.S.Tapase



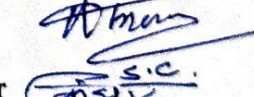
6) Dr. D.S.Gaikwad



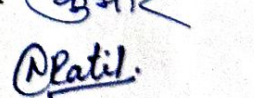
7) Dr. A.A.Patrawale



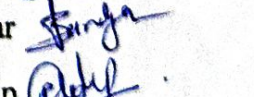
8) Shri. A.T. Mane



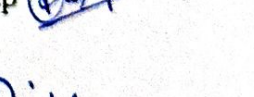
9) Shri. S.C.Kumbhar



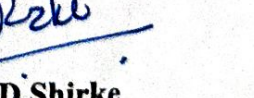
10) Miss. N.P. Patil

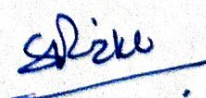


11) ~~Shri.~~ S.S. Bandgar






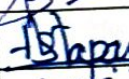

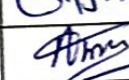
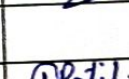

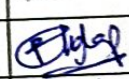



12) Miss. P.A. Gholap




Dr. S.D. Shirke
Head
Dept. of Chemistry
Vivekanand College, Kolhapur

Report of the Meeting

Following committee members were present for this meeting

Sr. No.	Name of Faculty	Sign
1	Dr. K. A. Undale	
2	Dr. S. S. Ankushrao	
3	Dr. S. D Shinde	
4	Shri. S. S. Kadam	
5	Shri. A. S. Tapase	
6	Dr. D. S. Gaikwad	
7	Dr. A. A. Patravale	
8	Shri. A. T. Mane	
9	Shri. S. C. Kumbhar	
10	Miss. N. P. Patil	
11	Miss. S. S. Bandgar	
12	Miss. P. A. Gholap	
	Dr. H.V. Saghani	

Minutes of the meeting

The meeting of faculty members of department of chemistry was held on 31st December 2021 under the chairmanship of Head of the department to discuss different issues mentioned in the agenda. The following decision was taken after discussion as items in the agenda

- 1) **Discussion on remaining work distribution of theory and practical.** The syllabus of B.Sc. and M.Sc. was distributed to each faculty member as per government rules and regulations and their specializations to make teaching effective.
- 2) **Discussion on revision of departmental time table for second term.** By taking into consideration the central time table, the departmental time table for theory and practical was prepared.
- 3) **Discussion on Internal examination time table for second term.** By taking into consideration the central Internal examination time table, the departmental time table Internal examination time table was prepared.
- 4) **Discussion regarding work distribution of Lead College workshop and Poster presentation activity conducted by the department.** The distribution of the all work about the workshop and poster presentation activity conducted by the department to all faculty members is done to run the event smoothly.
- 5) **Discussion regarding revision of B.Sc. II, M.Sc. I and M.Sc. II Inorganic Chemistry.** As per the discussion in BoS meeting the syllabus revision of B.Sc. II, M.Sc. I and M.Sc. II Inorganic Chemistry is done.
- 6) **Discussion on remedial teaching and Bridge course record of B.Sc. I and II.** The preparation of records of remedial teaching and Bridge course of B.Sc. I and II of academic year 2020-21 on remedial teaching and Bridge is done.
- 7) Finally as there were no any other issues meeting was over after offering vote of thanks.



S.D. Shirke

Head of department

(Dr. S.D. Shirke)

Head

Dept. of Chemistry

Vivekanand College, Kalhanur

Action Taken Report

Meeting Date: December 31, 2021

Meeting Location: Chemistry Department

Chairperson: Dr. S. D. Shirke, Head of Chemistry Department

Minutes of the Meeting:

The faculty members of the Department of Chemistry convened on December 31, 2021, under the chairmanship of the Head of the Department to address various issues outlined in the agenda. The following decisions were made after extensive discussions:

Item No. 1: Discussion on Remaining Work Distribution of Theory and Practical

Action Taken: The syllabi for B.Sc. and M.Sc. were distributed to each faculty member in accordance with government rules and regulations and their respective specializations. This distribution will ensure effective teaching.

Item No. 2: Discussion on Revision of Departmental Time table for the Second Term

Action Taken: Considering the central timetable, the departmental timetable for theory and practical classes was revised and prepared, ensuring efficient scheduling.

Item No. 3: Discussion on Internal Examination Time table for the Second Term

Action Taken: Taking into account the central internal examination timetable, the departmental internal examination time table was prepared to ensure smooth examination scheduling.

Item No. 4: Discussion Regarding Work Distribution of Lead College Workshop and Poster Presentation Activity Conducted by the Department

Action Taken: The responsibilities related to the Lead College workshop and poster presentation activity conducted by the department have been distributed among all faculty members. This distribution aims to ensure the smooth execution of these events.

Item No. 5: Discussion Regarding Revision of B.Sc. II, M.Sc. I, and M.Sc. II Inorganic Chemistry

Action Taken: As per the discussion in the Board of Studies (BoS) meeting, the syllabus revision for B.Sc. II, M.Sc. I, and M.Sc. II Inorganic Chemistry has been completed.

Item No. 6: Discussion on Remedial Teaching and Bridge Course Records of B.Sc. I and II

Action Taken: The preparation of records for remedial teaching and the bridge course for B.Sc. I and II for the academic year 2020-21 has been completed. These records are essential for maintaining academic records and monitoring student progress.

Item No. 7: Meeting Conclusion

Action Taken: With no further issues to address, the meeting was concluded after offering a vote of thanks.

Additional Comments:

- Faculty members are encouraged to actively participate in the implementation of the decisions made during the meeting.
- Regular communication and coordination among faculty members are crucial to ensure the successful execution of planned activities and schedules.

Signature:



S.D. Shirke

Head of department

(Dr. S. D. Shirke)

Head

Dept. of Chemistry
Vivekanand College, Kolhapur

Vivekanand College, Kolhapur
Department of Chemistry
Syllabus Distribution for B.Sc. I SEM-II, B.Sc. II SEM-IV and B.Sc. III SEM-VI
Academic year 2021-22

B.Sc. I, SEM-II

Chemistry-DSC-1002B Part I: Physical Chemistry

Sr. No.	Name of Faculty	Name of the Chapter Allotted
1.	Dr. S.S. Ankushrao (A/B/C)	Chemical Energetics [12]
2.	Miss. P. A. Gholap (A/B/C)	Chemical Equilibria [10]
3.	Dr. A. S. Tapase (A/B/C)	Nuclear Chemistry [06]
4.	Dr. A. S. Tapase A/B/C)	Chemical Kinetics [05]
5.	Miss. N. P. Patil (B) / Mr. A. T. Mane (A+C)	Distribution law [05]

Chemistry-DSC-1002B Part II: Analytical and Industrial Chemistry

Sr. No.	Name of Faculty	Name of the Chapter Allotted
1.	Dr. K. A. Undale	Introduction to Analytical and Industrial Chemistry [12]
2.	Miss. N. P. Patil	Theory of Titrimetric Analysis [10]
3.	Miss. P. A. Gholap	Chromatography [10]
4.	Dr. K. A. Undale	Dairy Chemistry [05]

B.Sc. II, SEM-IV

Chemistry-DSC-1002D Inorganic and Physical Chemistry

Section-I: Inorganic Chemistry

Sr. No.	Name of Faculty	Name of the Chapter Allotted
1.	Mr. A. T. Mane	Transition Elements (3d series) [05]
2.	Dr. Mrs. S. D. Shinde	Lanthanoids and Actinoids [08]
3.	Dr. Mrs. S. D. Shinde	Coordination Chemistry: Valence Bond Theory [09]
4.	Dr. S.S. Ankushrao	Coordination Chemistry: Crystal Field theory [10]
5.	Mr. A. T. Mane	Coordination Chemistry: Molecular Orbital theory [05]

Section-II: Physical Chemistry

Sr. No.	Name of Faculty	Name of the Chapter Allotted
1.	Mr. S. S. Kadam	Kinetic Theory of Gases [10]
2.	Miss. P. M. Ruikar	Liquids [08]
3.	Miss. M. M. Patil	Solids [10]
4.	Dr. A. S. Tapase	Chemical Kinetics [10]

B.Sc. III- SEM VI

Paper: 1002F1- Physical Chemistry & Inorganic Chemistry

Section-I: Physical Chemistry

Sr. No.	Name of Faculty	Name of the Chapter Allotted
1.	Dr. A. S. Tapase	Thermodynamics [12]
2.	Miss. P. M. Ruikar	Adsorption [08]
3.	Miss. M. M. Patil	Radioactivity and its Detection [09]
4.	Dr. K. A. Undale	Renewable Energy Sources [10]

Section-II: Inorganic Chemistry

Sr. No.	Name of Faculty	Name of the Chapter Allotted
1.	Dr. S. S. Ankushrao	Corrosion and Passivity [08]
2.	Dr. Mrs. S. D. Shinde	Chelation [07]
3.	Dr. Mrs. S. D. Shinde	Nuclear Chemistry [10]
4.	Dr. Mrs. S. D. Shinde	Inorganic Reaction mechanism [06]
5.	Miss. P. M. Ruikar	Nanomaterials [06]

Paper: 1002F2-Organic Spectroscopic techniques & Industrial Chemistry

Section-I: Organic Spectroscopic Techniques

Sr. No.	Name of Faculty	Name of the Chapter Allotted
1.	Mr. S. S. Kadam	Introduction to Spectroscopy [03]
2.	Mr. S. S. Kadam	Ultra-Violet (UV) Spectroscopy [05]
3.	Mr. S. S. Kadam	Infra-Red (IR) Spectroscopy [08]
4.	Dr. Mrs. S. D. Shirke	Nuclear Magnetic Resonance (NMR) Spectroscopy [09]
5.	Dr. Mrs. S. D. Shirke	Mass spectroscopy [08]
6.	Mr. S. S. Kadam	Combined Problems based on UV, IR, NMR and Mass Spectral data [05]

Section-II: Industrial Chemistry

Sr. No.	Name of Faculty	Name of the Chapter Allotted
1.	Dr. S.S. Ankushrao	Introduction to Industrial Chemistry [07]
2.	Mr. A. T. Mane	Manufacturing of Heavy Chemicals [06]
3.	Dr. Mrs. S. D. Shirke	Manufacturing of Sugar and Jaggery [08]
4.	Miss. M. M. Patil	Fermentation Industry [08]
5.	Dr. Mrs. S. D. Shirke	Fertilizers [08]



S.D. Shirke
Dr. Mrs. S. D. Shirke

Head
Dept. of Chemistry
Vivekanand College, Kolhapur

M.Sc. I- SEM II

Paper No. V: CH-201 Inorganic Chemistry -II

Sr. No.	Name of Faculty	Name of the Chapter Allotted
1.	Dr. S. S. Bandgar	Unit 1-Chemistry of non-transition Elements (15)
2.	Mr. S. C. Kumbhar	Unit 2-a. Organometallic chemistry of transition elements(08) b. Reaction mechanism of Transition Metal Complexes (07)
3.	Dr. S. D. Shinde	Unit 3- Studies and applications of Lanthanides and Actinides (15)
4.	Mr. S. C. Kumbhar	Unit 4- a. Spectroscopic Term Symbols (07) b. Nuclear and Radiochemistry (08)

Paper No. VI: CH-202 Organic Chemistry -II

Sr. No.	Name of Faculty	Name of the Chapter Allotted
1.	Dr. D. S. Gaikwad	Unit 1-a. Study of following reactions (10) b. Alkylation and Acylation (05)
2.	Dr. A. A. Patravale	Unit 2-a. Hydroboration (05) b. Enamines (05) c. Oxidation (05)
3.	Mr. S. S. Kadam	Unit 3- a. Reduction (08) b. Protection of functional group (07)
4.	Dr. D. S. Gaikwad	Unit 4- a. Study of Organometallic Compounds (08) b. Methodologies in Organic Synthesis (07)

Paper No. VII: CH-203 Physical Chemistry -II

Sr. No.	Name of Faculty	Name of the Chapter Allotted
1.	Dr. S. S. Bandgar	Unit 1-Quantum Chemistry (15)
2.	Dr. S. S. Bandgar	Unit 2-Photochemistry (15)
3.	Dr. S. S. Bandgar	Unit 3- Electrochemistry (15)
4.	Dr. A. S. Tapase	Unit 4- Chemical Kinetics (15)

Paper No. CH- VIII: Analytical Chemistry -II

Sr. No.	Name of Faculty	Name of the Chapter Allotted
1.	Dr. S. S. Bandgar	Unit 1-a. Introduction to Spectroscopy (03) b. Electronic Spectroscopy (05) c. Raman Spectroscopy (07)
2.	Dr. Mrs. S. D. Shirke	Unit 2-a. Nuclear Magnetic Resonance (NMR) (08) b. Mass Spectroscopy (07)
3.	Dr. S.S. Ankushrao	Unit 3- a. Thermal Analysis (15)
4.	Dr. A. A. Patravale	Unit 4- a. Atomic Absorption Spectroscopy (10) b. Inductively Coupled Plasma Spectroscopy (05)

M.Sc. II- SEM IV

Paper No. OCH -XIII: Theoretical Organic Chemistry

Sr. No.	Name of Faculty	Name of the Chapter Allotted
1.	Dr. M. B. Deshmukh	Unit 1-Molecular Orbital Theory (15)
2.	Dr. A. A. Patravale	Unit 2-Non-Benzoid Aromatic Compounds (15)
3.	Mr. S. C. Kumbhar	Unit 3- Free Radical Reactions (15)
4.	Miss. M. M. Patil	Unit 4- a. Kinetic and Thermodynamic Control of reactions (09) b. Non Classical Carbocations (06)

Paper No. OCH - XIV: Stereochemistry

Sr. No.	Name of Faculty	Name of the Chapter Allotted
1.	Dr. K. A. Undale	Unit 1-Newer Methods of Stereoselective Synthesis (15)
2.	Dr. M. B. Deshmukh	Unit 2-Stereochemistry of Acyclic and Alicyclic Compounds a. Conformation and Reactivity in Acyclic Compounds and of Cyclohexanes (05) b. Some Aspects of the Stereochemistry of ring systems (05) c. The shapes of the rings other than six membered (05)
3.	Dr. M. B. Deshmukh	Unit 3- Stereochemistry a. Fused and bridged rings: Fused bicyclic ring systems (08) b. O.R.D. and C.D.: Types of curves (07)
4.	Dr. D. S. Gaikwad	Unit 4- Stereochemistry of compounds a. Stereochemistry of Allenes, Spiranes and Biphenyls (08) b. Configuration of diastereoisomerisms (Geometrical isomerism) (07)

Paper No. OCH -XV: Chemistry of Natural Products

Sr. No.	Name of Faculty	Name of the Chapter Allotted
1.	Mr. S. C. Kumbhar	Unit 1-a. Introduction of Natural Products (03) b. Terpenoids (12)
2.	Dr. D. S. Gaikwad	Unit 2-Alkaloids (15)
3.	Mr. S. C. Kumbhar	Unit 3- a. Steroids (10) b. Prostaglandins (05)
4.	Dr. D. S. Gaikwad	Unit 4- A. Biogenesis (08) B. Vitamins (07)

Paper No. OCH -XVI A: Applied Organic Chemistry

Sr. No.	Name of Faculty	Name of the Chapter Allotted
1.	Dr. Mrs. S. D. Shirke	Unit 1-Agrochemical (15)
2.	Dr. A. A. Patravale	Unit 2-a. Synthesis and applications of perfumery (05) b. Synthesis and Applications of Pharmaceuticals (05) c. Sugar Based Chemicals (05)
3.	Dr. A. A. Patravale	Unit 3- Dyes and Intermediates (15)
4.	Dr. S. S. Ankushrao	Unit 4- a. Polymers (10) b. Applications of Oxo & Wacker Process: Soaps & Synthetic Detergents (05)



S. D. Shirke

Dr. Mrs. S. D. Shirke

Head

Dept. of Chemistry
Vivekanand College, Kolhapur

Vivekanand College, Kolhapur
Department of Chemistry
Syllabus Distribution for B.Sc. I SEM-II, B.Sc. II SEM-IV and B.Sc. III SEM-VI
Academic year 2021-22

B.Sc. I, SEM-II

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5.	Miss. N. P. Patil (B) / Mr. A. T. Mane (A+C)	Distribution law [05]	

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B.Sc. II, SEM-IV

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3.	Miss. M. M. Patil	Solids [10]	
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B.Sc. III- SEM VI

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5.	Dr. Mrs. S. D. Shirke	Fertilizers [08]	

Dr. Mrs. S. D. Shirke



"Education for Knowledge, Science and Culture."
 - Shikshanmaharshi Dr. Bapuji Salunkhe
Shri. Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR
(AUTONOMOUS)



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 Website :www.vivekanandcollege.org E-mail : info@vivekanandcollege.org

VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

PG DEPARTMENT OF CHEMISTRY

M. Sc. Theory TIME-TABLE (2021-22)

w. e. f. 20/10/2021

TERM - I

Time	Class	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	Saturday
11-30 TO 12-30	M.Sc. I	AAP	SSB	SDShinde	DSG	SDShinde	DSG
12-30 TO 01-30	M.Sc. I	SSB	SCK	AAP	SCK	SSA	SSB
Recess							
2-30 TO 03-30	M.Sc. II	KAU	AAP	DSG	SSK	SDS	RAK
3-30 To 04-30	M.Sc. II	SCK	DSG	AAP	SSA	SCK	KAU

M. Sc. - I & II Practical TIME-TABLE (2021-22)

Time	Batch / Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
02-00 To 05-30	M. Sc. - I (A)	-	-	Inorganic [SDShinde]	Organic [SCK]	Physical [SSB]	Analytical [AAP]
	M. Sc. - I (B)	-	-	Organic [SCK]	Physical [SSB]	Analytical [AAP]	Inorganic [SSA]
	M. Sc. - I (C)	-	-	Physical [RAK]	Analytical [AAP]	Inorganic [SSB]	Organic [SCK]
11-00 To 02-00	M. Sc.- II (D)	DSG					
	M. Sc. - II (E)	SSK/SDS					

Dr. K. A. Undale
 PG Co-ordinator



Dr. Mrs. S. D. Shirke
Head
Dept. of Chemistry
 Vivekanand College, Kolhapur