

Vivekanand College (Autonomous), Kolhapur
Department of Chemistry
Notice

Date: 18/10/2019

All the senior science faculty members of Department of Chemistry are hereby informed that, the Department meeting will be held at 12.30 noon on Thursday, Dated 24th Oct. 2019. All are requested to remain present.

Agenda of the Meeting

- 1] Review of Departmental activities of the 1st term.
- 2] Department work distribution of theory and practical for the 2nd term.
- 3] Practical programme for the 2nd term.
- 4] Academic preparation of department time table for the 2nd term.
- 5] Planning for departmental activities during 2nd term.
- 6] Project distribution for B.Sc -III, M.Sc -II.
- 7] Presenty record for B.Sc -I, II and III.
- 8] Student presenty.
- 9] Planning for practical of M.Sc I, Sem II and M.Sc II, Sem IV.
- 10] Planning for syllabus completion for the 2nd term.
- 11] Research publication and Major, Minor projects.
- 12] Planning for study tour of B.Sc III, & M. Sc II.
- 13] Miscellaneous matter.



Dr. D. B. Patil

Dr. D. B. Patil
Head
Dept. of Chemistry
Vivekanand College, Kolhapur

- 1) Dr. Mrs. S. D. Shirke
- 2) Dr. S. S. Ankushrao
- 3) Dr. K. A. Undale
- 4) Shri. S. S. Kadam
- 5) Dr. Mrs. S. D. Shinde
- 6) Shri. R. A. Kalel
- 7) Dr. D. S. Gaikwad
- 8) Shri. A. T. Mane

Dr. Shirke
Dr. Ankushrao
Dr. Undale
Dr. Kadam
Dr. Shinde
Dr. Kalel
Dr. Gaikwad
Dr. Mane

- 9) Dr. A. A. Patravale
- 10) Dr. Mrs. S.S. Bhandgar
- 11) Mrs. N. P. Patil
- 12) Miss. N. K. Bhanase
- 13) Miss. P. A. Gholap
- 14) Miss. P. M. Ruikar
- 15) Miss. A. A. Deshmukh
- 16) Miss. S. N. Chougule

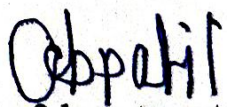
Dr. Patravale
Dr. Bhandgar
Mrs. Patil
Miss. Bhanase
Miss. Gholap
Miss. Ruikar
Miss. Deshmukh
Miss. Chougule

Minutes of the meeting

The meeting of faculty members of department of chemistry was held on 24th Oct. 2019 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 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 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 regarding practical and project distribution** of all classes was done and distributed to each faculty as per specialization.
- 4) **Discussion on the arrangement of study tour of B.Sc. III and M. Sc. II.** The study tour of B.Sc. III and M. Sc. II is planned in the first week of January.
- 5) **Discussion on presently record of B.Sc. I, II, III and M.Sc. I and II.** To maintain the attendance of each classes separate record file is maintained for each class.
- 6) **Discussion about departmental activities conducted in second term.** The planning of various curricular and extracurricular activities like seminar, poster presentation on National Science Day, debate competitions organization was discussed and finalized.
- 7) Finally as there were no any other issues meeting was over after offering vote of thanks.





















Head of department

(Dr. D. B. Patil)

Head
Dept. of Chemistry
Vivekanand College, Kolhanpur

Vivekanand College (Autonomous), Kolhapur
Department of Chemistry
Departmental Meeting
Attendance

Date: 24/10/2019

Sr. No.	Name of the Faculty	Sign
1.	Dr. D. B. Patil	
2.	Dr. Mrs. S. D. Shirke	
3.	Dr. S. S. Ankushrao	
4.	Dr. K. A. Undale	
5.	Shri. S. S. Kadam	
6.	Dr. Mrs. S. D. Shinde	
7.	Shri. R. A. Kalel	
8.	Dr. D. S. Gaikwad	
9.	Shri. A. T. Mane	
10.	Dr. A. A. Patravale	
11.	Dr. Mrs. S.S. Bandgar	
12.	Mrs. N. P. Patil	
13.	Miss. N. K. Bhanase	
14.	Miss. P. A. Gholap	
15.	Miss. P. M. Ruikar	
16.	Miss. A. A. Deshmukh	
17.	Miss. S. N. Chougule	

Action Taken Report

Meeting Date: October 24, 2019

Meeting Location: Chemistry Department

Chairperson: Dr. D. B. Patil, Head of Chemistry Department

Minutes of the Meeting:

The faculty members of the Department of Chemistry convened on October 24, 2019, under the chairmanship of the Head of the Department to address various issues outlined in the agenda. The following decisions were made after thorough discussions:

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

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

Item No. 2: Discussion on Departmental Timetable for Second Term

Action Taken: Taking into consideration the central timetable, the departmental timetable for theory and practical classes was prepared. This will ensure that classes are scheduled efficiently without conflicts.

Item No. 3: Discussion Regarding Practical Distribution and Projects

Action Taken: Projects for all classes were discussed and distributed to each faculty member based on their specializations. This allocation will enable faculty members to provide guidance to students effectively.

Item No. 4: Discussion on the Study Tour of B.Sc. III and M.Sc. II

Action Taken: The study tour for B.Sc. III and M.Sc. II is scheduled for the first week of January. Detailed planning and arrangements will be made to ensure a successful and educational experience for students.

Item No. 5: Discussion on the Present Records of B.Sc. I, II, III, and M.Sc. I and II

Action Taken: To maintain attendance records, separate record files will be maintained for each class. This will help in the efficient tracking of student attendance.

Item No. 6: Discussion About Departmental Activities Conducted in the Second Term

Action Taken: Planning for various curricular and extracurricular activities, including seminars, poster presentations for National Science Day, and debate competitions, was discussed and finalized. These activities will enrich the academic and co-curricular experiences of students.

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 the planned activities and schedules.

Signature:



D. B. Patil
Head of Chemistry Department
(Dr. D. B. Patil)
Head
Dept. of Chemistry
Vivekanand College, Kolhanpur

"Education for Knowledge, Science and Culture."

- Shikshanmaharshi Dr. Bapuji Salunkhe

Shri. Swami Vivekanand Shikshan Sanstha's

**VIVEKANAND COLLEGE, KOLHAPUR
(AUTONOMOUS)**

2130 E, Tarabai Park, Tal. Karveer, Dist. Kolhapur 416 003

UGC Recognition Under 2 F & 12(B) UGC Act 1956

Affiliated to Shivaji University, Kolhapur (M.S.)

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DEPARTMENT OF CHEMISTRY

B.Sc.TIME TABLE YEAR 2019-20w.e.f 01/07/2019

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	Saturday
07-30 TO 11-30			B.Sc.III PRA. C1-DBP/SDS/SBG C2- SSA/DBP/KAU C3-SSK/AAG/DBP	B.Sc.III PRA. RAK -C1 SSA-C2 SDS-C3	B.Sc.III PRA. RAK-C2 SSA-C3 KAU-C1	B.Sc.III PRA. DBP-C3 SDShinde-C1 SSK-C2
11-30 TO 02-45	B.Sc.II PRA. [DBP+SSK]	B.Sc.II PRA. [DBP+SSK]	B.Sc.II PRACT. [SDShinde+KAU]	B.Sc.II PRA. [SDShinde+KAU]	B.Sc.II PRA. [SDS+XYZ]	B.Sc.II PRA. [SDS+XYZ]
11-30 TO 12-18	B.Sc.III [RAK]	B.Sc. III [SDShinde]		B.Sc.I-B [SSA]		B.Sc.I-B [RAK]
12-18 TO 01-06	B.Sc.III [SDS]	B.Sc.III [KAU]	B.Sc.III [SSA]	B.Sc.III [SDS]	B.Sc.III [SSK]	B.Sc.III [SSK]
		B.Sc.I-B [SDS]	B.Sc. I (B) [SSK]			
01-06 TO 01-54	B.Sc.III [KAU]	B.Sc.III[XYZ]	B.Sc.III [DBP]	B.Sc.I-A [SSK]		B.Sc.I(A) [RAK]
	B.Sc.I (B) [SDShinde]		B.Sc. I(A) [SDS]			
01-54 TO 02-05		R	E	C	E	S
02-05 TO 02-53	B.Sc.III[SEMINAR]	B.Sc.III[SEMINAR]	B.Sc.III [SSA]		B.Sc.I (A) [SDShinde]	
		B.Sc.I-A [SSA]				
02-53 TO 03-41	B.Sc.II[RAK]		B.Sc.III[SEMINAR]	B.Sc.II [DSG/AAP]	B.Sc.II [DBP]	
03-41 TO 04-29						B.Sc.II [SDS]
04-29 TO 05-17		B.Sc.II [SSK]		B.Sc.II [KAU]		
02-53 TO 05-17	B.Sc.I PRA. [1. ATM] [2.SSA]	B.Sc.I PRA. [1.SDS] [2. SDShinde]	B.Sc.I PRA. [1. KAU] [2. RAK]	B.Sc.I PRA. [1.AAP] [2. DSG]	B.Sc.I PRA. [1.SSK] [2. XYZ]	

Time Table In-charge



Dr. D. B. Patil

Head

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DEPARTMENT OF CHEMISTRY

B.Sc. Time-Table (Academic Year 2019-20)

w. e. f: 21/11/2019

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	Saturday
07-30 TO 11-30			B.Sc.III PRA. C1-DBP/SDS/SBG C2-SSA/DBP/KAU C3-SSK/AAG/DBP	B.Sc.III PRA. RAK -C1 SSA -C2 SDS-C3	B.Sc.III PRA. RAK-C2 SSA-C3 KAU-C1	B.Sc.III PRA. DBP-C3 SDShinde -C1 SSK-C2
11-30 TO 02-45	B.Sc.II PRA. [DBP+SSK] [AAD+SSB]	B.Sc.II PRA. [DBP+SSK] [AAD+SSB]	B.Sc.II PRACT. [SDShinde+KAU] [LKB+SNC]	B.Sc.II PRA. [SDShinde+KAU] [LKB+SNC]	B.Sc.II PRA. [SDS+NPP] [PMR+PAG]	B.Sc.II PRA. [SDS+NPP] [PMR+PAG]
11-30 TO 12-18	B.Sc.III [RAK]	B.Sc. III [KAU]		B.Sc.I-B [SSK]		B.Sc.I-B [KAU]
12-18 TO 01-06	B.Sc.III [SDS]	B.Sc.III [SDShinde] B.Sc.I-B [KAU]	B.Sc.III [SSA] B.Sc. I (B) [SSK]	B.Sc.III [ATM/SNC]	B.Sc.III [SSK]	B.Sc.III [AAP/LKB]
01-06 TO 01-54	B.Sc.III [KAU] B.Sc. I (B) [DSG/PAG]	B.Sc.III [NPP]	B.Sc.III [DBP] B.Sc. I(A) [SDS]	B.Sc.I-A [DSG/PMR]		B.Sc. I(A) [SSA]
01-54 TO 02-05	R E C E S S					
02-05 TO 02-53	B.Sc.III [SEMINAR]	B.Sc.III [SEMINAR] B.Sc.I-A [SSA]	B.Sc.III [SSB]		B.Sc.I (A) [SDS]	
02-53 TO 03-41	B.Sc.II [RAK]		B.Sc.III [SEMINAR] B.Sc.II [SSA]		B.Sc.II [DBP]	
03-41 TO 04-29						B.Sc.II [ATM/AAD]
04-29 TO 05-17		B.Sc.II [DBP/RAK]		B.Sc.II [SDShinde]		
02-53 TO 05-17	B.Sc.I PRA. [ATM/PAG] [SSA/PMR]	B.Sc.I PRA. [SDS/SNC] [SDShi./LKB]	B.Sc.I PRA. [KAU/SSB] [RAK/NPP]	B.Sc.I PRA. [PMR/AAD] [DSG/SSB]	B.Sc.I PRA. [SSK/LKB] [AAP/AAD]	

[Signature]
Time Table In-charge



[Signature]
Dr. D. B. Patil
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 2019-20

B.Sc. I- SEM II

Paper No. II: Physical Organic Chemistry

Physical Section

Physical Section		
Sr. No.	Name of Faculty	Name of the Chapter Allotted
1.	Dr. K. A. Undale (A/B)	Chemical Energetic [10]
2.	Dr. D. B. Patil (A/B)	Thermodynamics [05]
3.	Dr. D. B. Patil (A/B)	Entropy and Third law [08]
4.	Dr. S.S. Ankushrao (A/B)	Chemical Equilibria [10]
5.	Mr. R. A. Kalel (A/B)	Ionic Equilibria [05]
Organic Section		
6.	Dr. Mrs. S. D. Shirke (A+C	Aromatic Hydrocarbons [08]
7.	Div. complete paper)	Halides [12]
8.	Mr. S. S. Kadam (B Div.	Alcohols, Phenols [08]
9.	complete paper)	Ethers [03]
10.		Aldehydes and Ketones [10]

B.Sc. II- SEM IV

Paper No. VII: Physical Chemistry

Sr. No.	Name of Faculty	Name of the Chapter Allotted
1.	Mr. R. A. Kalel	Electrochemistry [16]
2.	Dr. D. B. Patil	Thermodynamics [07]
3.	Dr. K. A. Undale	Chemical Kinetics [08]
4.	Dr. K. A. Undale	Physical properties of liquids [07]

Paper No. VIII: INORGANIC CHEMISTRY

Sr. No.	Name of Faculty	Name of the Chapter Allotted
1.	Dr. Mrs. S. D. Shinde	Chemistry of elements of first transition series [05]
2.	Dr. Mrs. S. D. Shinde	Study of 'f' block elements [05]
3.	Dr. S.S. Ankushrao	Co-ordination chemistry [14]
4.	Dr. S.S. Ankushrao	Chelation [05]
5.	Mr. S. B. Gaikwad	Catalysis [05]
6.	Mr. S. B. Gaikwad	Non aqueous solvents [04]

B.Sc. III- SEM VI**Paper No. XIII: Physical Chemistry**

Sr. No.	Name of Faculty	Name of the Chapter Allotted
1.	Dr. K. A. Undale	Phase Equilibria. [05]
2.	Dr. D. B. Patil	Thermodynamics. [09]
3.	Mr. R. A. Kalel	The solid state. [08]
4.	Mr. R. A. Kalel	Radioactivity [04]
5.	Mr. R. A. Kalel	Chemical Kinetics. [04]
6.	Dr. Mrs. S. D. Shinde	Surface Chemistry. [07]

Paper No. XIV: Inorganic Chemistry

Sr. No.	Name of Faculty	Name of the Chapter Allotted
1.	Mr. S. B. Gaikwad	Inorganic Reaction mechanism [06]
2.	Mr. S. B. Gaikwad	Thermodynamic and Kinetic aspects of metal complexes. [07]
3.	Mr. S. B. Gaikwad	Nuclear Chemistry and Actinides [12]
4.	Dr. S.S. Ankushrao	Iron and Steel. [07]
5.	Dr. S.S. Ankushrao	Bio-inorganic Chemistry. [06]

Paper No. XV: Organic Chemistry

Sr. No.	Name of Faculty	Name of the Chapter Allotted
1.	Mr. S. S. Kadam	Name reactions [08]
2.	Mr. S. S. Kadam	Reagents in Organic Synthesis. [06]
3.	Dr. Mrs. S. D. Shirke	Electrophilic addition to $>C=C<$ bond and bond [08]
4.	Dr. Mrs. S. D. Shirke	Natural Products [08]
5.	Dr. Mrs. S. D. Shirke	Pharmaceuticals [06]

Paper No. XVI: Analytical Chemistry

Sr. No.	Name of Faculty	Name of the Chapter Allotted
1.	Dr. S.S. Ankushrao	Theory of Titrimetric Analysis [08]
2.	Dr. D. B. Patil	Potentiometric Titrations [08]
3.	Dr. D. B. Patil	Colorimetry and Spectrophotometry [06]
4.	Dr. K. A. Undale	Flame Photometry [08]
5.	Dr. K. A. Undale	Chromatography [08]



Dr. D. B. Patil

Head
Dept. of Chemistry
Vivekanand College, Kolha

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

Sr. No.	Name of Faculty	Name of the Chapter Allotted
1.	Dr. S. P. Patil	Unit 1-Chemistry of non-transition Elements (15)
2.	Mr. A. T. Mane	Unit 2-a. Organometallic chemistry of transition elements(08) b. Reaction mechanism of Transition Metal Complexes (07)
3.	Dr. S. P. Patil	Unit 3- Studies and applications of Lanthanides and Actinides (15)
4.	Mr. A. T. Mane	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. M. R. Ghatage	Unit 1-a. Study of following reactions (10) b. Alkylation and Acylation (05) Unit 2-a. Hydroboration (05) b. Enamines (05) c. Oxidation (05)
2.	Mr. S. S. Kadam	Unit 3- a. Reduction (08) b. Protection of functional group (07)
3.	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.	Mr. R. A. Kalel	Unit 1-Quantum Chemistry (15)
2.	Dr. V. R. More	Unit 2-Photochemistry (15)
3.	Dr. D. B. Patil	Unit 3- Electrochemistry (15)
4.	Dr. B. D. Bhosale	Unit 4- Chemical Kinetics (15)

Paper No. CH- VIII: Analytical Chemistry -II

Sr. No.	Name of Faculty	Name of the Chapter Allotted
1.	Mr. R. A. Kalel	Unit 1-a. Introduction to Spectroscopy (03) b. Electronic Spectroscopy (05) c. Raman Spectroscopy (07)
2.	Dr. Mrs. S. D. Shinde	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-Benzeoid Aromatic Compounds (15)
3.	Dr. D. R. Chandam	Unit 3- Free Radical Reactions (15)
4.	Mr. R. A. Kalel	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 of the ring system, conformation and configuration a. Fused and bridged rings: Fused bicyclic ring systems (08) b. O.R.D. and C.D.: Types of curves (07)
4.	Dr. K. A. Undale	Unit 4- Stereochemistry of compounds containing no chiral carbon atoms and di stereoisomerism (Geometrical isomerism) a. Stereochemistry of Allenes, Spiranes and Biphenyls (08) b. Configuration of distereoisomerisms (Geometrical isomerism) (07)

Paper No. OCH -XV: Chemistry of Natural Products

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