

Bharati Vidyapeeth's
Dr. Patangrao Kadam Mahavidyalaya, Sangli

Academic Calendar
(2021-2022)

First Term = 01/08/2021 to 24/01/2021
Second Term = 02/03/2022 to 30/06/2022

1st Week 1 Aug. - 7 Aug.	2nd Week 9 Aug. - 14 Aug.	3rd Week 15 Aug. - 21 Aug.	4th Week 23 Aug. - 28 Aug.
<ul style="list-style-type: none"> • Staff Meeting • Meetings of Subject/s for Extra-Curricular and Co-curricular Activities 	<ul style="list-style-type: none"> • Department wise Meetings • Submission of Details Planning by various committees • Admission Committee meeting 	<ul style="list-style-type: none"> • Celebration of Independence Day • Meetings of Heads of the Departments with Principal • I.Q.A.C. Meeting • Inauguration of Co-curricular and Extra-curricular Activities 	<ul style="list-style-type: none"> • Career Guidance Cell Program • Debate, Elocution & Essay Writing • Sports Day Celebration • NSS Activities- Shramdan, Rakshabandhan
5th Week 30 Aug.-04 Sept	6th Week 05 Sept.-11 Sept.	7th Week 13 Sept.-18 Sept.	8th Week 20 Sept-25 Sept.
<ul style="list-style-type: none"> • C.D.C. Meeting • I.Q.A.C. Meeting • Publication of Wall Paper • Add On Courses Council- Meeting 	<ul style="list-style-type: none"> • Celebration of Teachers Day • NSS Activity- Ecofriendly Ganesh Festival • Inter Class Competitions- Debate, Elocution and Essay Writing 	<ul style="list-style-type: none"> • Alumni Meet- Feedback • Feedback from Employers & Social workers • Publication of Wall Paper 	<ul style="list-style-type: none"> • Interclass Competitions • Debate, Elocution & Essay Writing • Celebration of NSS day
9th Week 27 Sept- 02 Oct.	10th Week 04 Oct.-09 Oct.	11th Week 11 Oct.-16 Oct.	12th Week 18 Oct.-23 Oct.
<ul style="list-style-type: none"> • Parents-Teachers Meet-Feedback from parents • Internal Examination • Mahatma Gandhi Jayanti • Lal Bahadur Shastri Jayanti • NSS Activity 	<ul style="list-style-type: none"> • IQAC Meeting • Lead College Meeting • Department Meetings • Non-Teaching workshop 	<ul style="list-style-type: none"> • Placement Activity • Meetings of Various Co-curricular and Extra-curricular Committees • Internal Exams 	<ul style="list-style-type: none"> • Seminars • Publication of • C.D.C. Meeting • Publication of Wall Paper • Internal Exams

13th Week 25 Oct. – 30 Oct.	14th Week 01 Nov. – 06 Nov.	15th Week 08 Nov.– 13 Nov.	16th Week 15 Nov. –2 0 Nov.
<ul style="list-style-type: none"> • D. I. File Checking 	<ul style="list-style-type: none"> • Diwali Vacations 	<ul style="list-style-type: none"> • N.S.S. Activity • Syllabus Review Meetings • Seminar- IPR 	<ul style="list-style-type: none"> • Meetings of all committees for Co-curricular & Extra-curricular Activities • Preparation of AQAR
17th Week 22 Nov. – 27 Nov.	18th Week 29 Nov. – 04 Dec.	19th Week 23 Nov. – 28 Nov.	20th Week 30 Nov. - 05 Dec.
<ul style="list-style-type: none"> • Shramdan on College campus • NIRF Data Collection 	<ul style="list-style-type: none"> • Shramdan on College campus • NIRF Data Collection 	<ul style="list-style-type: none"> • Internal Exam • Collection of articles from the students for college magazine 	<ul style="list-style-type: none"> • Internal Exam • IQAC Meeting • IIC Meeting
21st Week 06 Dec. – 11 Dec.	22nd Week 13 Dec. – 18 Dec.	23rd Week 20 Dec. – 25 Dec.	24th Week 27 Dec. – 01 Jan.
<ul style="list-style-type: none"> • Webinar- Research Methodology • Syllabus Completion Review Meeting 	<ul style="list-style-type: none"> • NSS Activity • Cultural Activity • Exhibitions 	<ul style="list-style-type: none"> • IQAC Meeting • Publication of Wall Paper • Parents Meet • Competitive Exam.Activity 	<ul style="list-style-type: none"> • Department wise Meeting for the Preparation of Department input files
25th Week 03 Jan. – 08 Jan.	26th Week 10 Jan.– 15 Jan.	27th Week 17 Jan. – 22 Jan.	28th Week 23 Jan.– 29 Jan.
<ul style="list-style-type: none"> • Dr. Patangrao Kadam Saheb Jayanti • Competitive Exam.Activity • Wall Paper Activity 	<ul style="list-style-type: none"> • C.D.C. Meeting • Youth Day • Teacher evaluation Feedback Collection 	<ul style="list-style-type: none"> • Industry-Academia Activity • Research Event • Add On Courses Council Meeting 	<ul style="list-style-type: none"> • Term End Meeting • Republic Day • Submission of Teaching Completion Reports. • National Conference
29th Week 31 Jan. – 05 Feb.	30th Week 07 Feb.– 12 Feb.	31st Week 14 Feb. – 19 Feb.	32nd Week 21 Feb.– 26 Feb.
<ul style="list-style-type: none"> • Term End Vacation • University Examinations 	<ul style="list-style-type: none"> • Term End Vacation • University Examinations 	<ul style="list-style-type: none"> • Term End Vacation • Chhatrapati Shivaji Maharaj Jayanti 	<ul style="list-style-type: none"> • Term End Vacation • University Examinations
33rd Week 28 Feb. – 05 Mar.	34th Week 7 Mar. – 12 Mar.	35th Week 14 Mar. – 19 Mar.	36th Week 21 Mar. – 26 Mar.
<ul style="list-style-type: none"> • Staff Meeting • Publication of Wall Paper • I.Q.A.C. Meeting • Celebration of Science Day 	<ul style="list-style-type: none"> • Meetings of Committees for Extracurricular and Co-Curricular Activities • Seminar Activity • Annual Sports 	<ul style="list-style-type: none"> • Meeting with office staff for A.Q.A.R. • Submission of Records of Internal Examinations 	<ul style="list-style-type: none"> • Add On Course Council Meeting • Submission of True Copies of Conferences, Workshops attended by the Staff

37th Week 28 Mar. – 02 Apr. <ul style="list-style-type: none"> • C. D. C. Meeting • Poster Exhibition 	38th Week 04 Apr. – 09 Apr. <ul style="list-style-type: none"> • I.Q.A.C. Meeting • Preparation of A.Q.A.R. • Industry Academic Interaction workshop 	39th Week 11 Apr. – 16 Apr. <ul style="list-style-type: none"> • Internal Exams • Babasaheb Ambedkar Jayanti 	40th Week 18 Apr. – 23 Apr. <ul style="list-style-type: none"> • Staff Meeting • Internal Exams
41st Week 25 Apr. – 30 Apr. <ul style="list-style-type: none"> • Declaration of next year's planning prepared by I.Q.A.C. • Meeting of Admission and Prospectus Committee. • University Examination 	42nd Week 2 May. – 07 May <ul style="list-style-type: none"> • Submission of Self-Appraisal Reports. • Publication of College Magazine. • Green Audit • Internal Exams 	43rd Week 09 May – 14 May <ul style="list-style-type: none"> • Stock Verification • I.Q.A.C. Meeting • Finalization of A.Q.A.R. • Internal Exams • NSS Activity • Bharati Vidyapeeth (10thMay) 	44th Week 16 May – 21 May <ul style="list-style-type: none"> • Staff Meeting • D. I. File preparation • Competitive Exam guidance Activity
45th Week 23 May – 28 May <ul style="list-style-type: none"> • Wall Paper Display • AAA 	46th Week 30 May – 04 June <ul style="list-style-type: none"> • Gender Audit • Environment Day • NSS Activity 	47th Week 06 June – 11 June <ul style="list-style-type: none"> • SSS conduction • AQAR Submission • Submission of Records of Internal Examinations • Add On Course Council Meeting 	48th Week 13 June – 18 June <ul style="list-style-type: none"> • Tree Plantation • Meeting with office staff for A.Q.A.R.
49th Week 20 June – 25 June <ul style="list-style-type: none"> • Publication of Wall Paper • I.Q.A.C. Meeting • International Yoga Day 	50th Week 27 June – 30 June <ul style="list-style-type: none"> • Submission of True Copies of Conferences, Workshops attended by the Staff • C. D. C. Meeting • DI file preparations • Term End Meeting 		



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(Dr. D. G. Kanase)

PRINCIPAL,

Dr. Patangrao Kadam Mahavidyalaya,
Sangli - 416416 (Sangliwadi)

Bharati Vidyapeeth's
Dr. Patangrao Kadam Mahavidyalaya, Sangli
Department of Economics
Year 2021-22

Date: - 6/10/2021

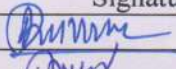
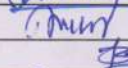
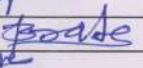

Notice of the Meeting 1st Term

All the faculties of the departments are required to attend the meeting of the second term academic year 2021-22 at the 11:00 AM in the Department. Dated on 7/10/2021.

*** Agenda of the Meeting**

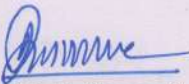
1. welcome of the student of the first year of the department.
2. To discuss the result of the students of back / last exam.
3. Preparation of the timetable for the academic year.
4. Any other subject's discussion by the permission of the chairman.

First meeting of department was held on 7th Oct. 2022 in Department at 11:00 AM. The following members were present.

Sr. No.	Name of the Members	Signatures
1.	Prof. T. R. Sawant	
2.	Prof. A. A. Pol	
3.	Mr. B. P. Kurade	
4.	Mr. M. V. Salunkhe	

*** Minutes of the meeting**

1. To discuss the result of the students of examination held in April / May 2022 and discussion was held to support increase student's initiative towards the result.
2. The discussion on the distribution of the workload to teaching be given as per their interests and willing.
3. The discussion was also held regarding the preparation of the time table of the classes for the academic year.
4. Other matter was discussed by the permission of the chairman.


(Mr. T. R. Sawant)
Head of Department


(Dr. D. G. Kanase)
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Sangli.-416416.(Sangliwadi.)

Bharati Vidyapeeth's
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Department of Economics
Year 2021-22

Date: - 6/10/2021

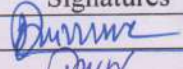
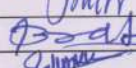
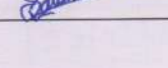
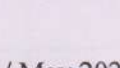
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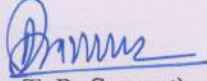
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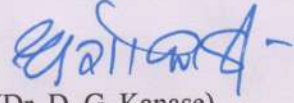
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(Mr. T. R. Sawant)
Head of Department


(Dr. D. G. Kanase)
Principal
Dr. Patangrao Kadam Mahavidyalaya.
Sangli.-416416.(Sangliwadi.)

Bharati Vidyapeeth's
Dr. Patangrao Kadam Mahavidyalaya, Sangli
Department of Economics
Year 2021-22

Date: - 7/3/2022

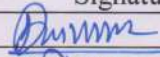
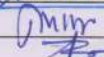
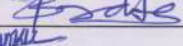
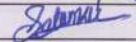
Notice of the Meeting 2nd Term

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*** Agenda of the Meeting**

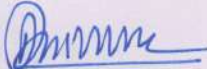
1. To analysis the results of the students of Oct 2021 examination.
2. Preparation of the schedule of the internal examination.
4. Any other issue discussion by the permission of the chairman.
3. Allotment of exam duty to both of the teaching.

First meeting of department was held on 8th March 2022 in Department at 11:00 AM. The following members were present.

Sr. No.	Name of the Members	Signatures
1.	Prof. T. R. Sawant	
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*** Minutes of the meeting**

1. To discussion was to assist and help to the students of all class to improve the result of the department.
2. It was unanimously solved that the work of examination (internal and external) will be made compulsory to teaching.
3. The discussion was held to give the responsibility to the all teaching members regarding the smooth conducting of internal and external examination.
4. Other matter like study tour etc. was discussed by the permission of the Chairman.


(Mr. T. R. Sawant)
Head of Department


(Dr. D. G. Kanase)
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Dr. Patangrao Kadam Mahavidyalaya
Sangli.-416416.(Sangliwadi.)

Bharati Vidyapeeth's
Dr. Patangrao Kadam Mahavidyalaya, Sangli
Department of Economics
Year 2021-22

Date: - 7/3/2022

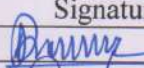
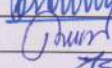
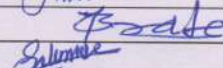
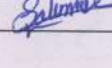
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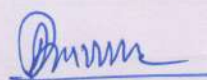
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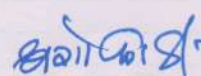

(Mr. T. R. Sawant)
Head of Department


(Dr. D. G. Kanase)
PRINCIPAL
Principal
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Sangli.-416416.(Sangliwadi.)

Bharati Vidyapeeth's
Dr. Patangrao Kadam Mahavidyalaya, Sangli
Department of Chemistry
Syllabus Distribution
Term-II, 2021-22

Sr. No.		Name of Faculty
B. Sc. I, Sem. II		
1	CHEMISTRY-DSC 3B: Chemistry Paper-III (Physical Chemistry)	
	Unit I: Chemical Energetics	Ms. P. R. Waghmare
	Unit II: Chemical Equilibrium	Ms. P. R. Waghmare
	Unit III: Kinetic Theory of Gases	Ms. P. R. Waghmare
	Unit IV: Chemical Kinetics	Dr. A. M Sargar
2	DSC-4B-Chemistry Paper IV (Analytical Chemistry)	
	Unit I: Introduction to analytical Chemistry	Dr. R. N. Deshmukh
	Unit II: Chromatography	Dr. R. N. Deshmukh
	Unit III: Theory of titrimetric Analysis	Mr. P. S. Dikule
	Unit IV: Water Analysis	Dr. R. N. Deshmukh
	Unit V: Analysis of Fertilizers	Dr. R. N. Deshmukh
B. Sc. II, Sem. IV		
3	Paper No. DSC-D3- Chemistry paper No. VII (Inorganic Chemistry)	
	Unit 1: Co-ordination chemistry	Dr. R. N. Deshmukh
	Unit 2: Chelation	Dr. R. N. Deshmukh
	Unit-3. P- Block elements (Group 13, 14 and 15)	Ms. R. S. Patil
	Unit 4: Chemistry of elements of 3d series elements	Dr. R. N. Deshmukh
	Unit-5. Inorganic semi-micro qualitative analysis	Dr. R. N. Deshmukh
4	Paper No. DSC- D4 - Chemistry paper No. VIII (Organic Chemistry)	
	Unit 1: Carboxylic acids and their derivatives.	Dr. S. T. Mane
	Unit 2: Amines and Diazonium Salts	Dr. T. R. Lohar
	Unit 3: Carbohydrates	Dr. S. T. Mane
	Unit 4: Carbonyl Compounds- Aldehydes and Ketone	Dr. T. R. Lohar
	Unit 5: Stereochemistry	Dr. T. R. Lohar
B. Sc. III, Sem. VI		
5	Paper No. DSE-F5, Chemistry Paper No. -XIII (Inorganic Chemistry)	
	1.Coordination Chemistry	XXX
	2.Nuclear Chemistry	XXX
	3.Chemistry of f-block Elements	XXX
	4.Iron and Steel	Mr. P. S. Dikule
	5.Bio -inorganic Chemistry	Mr. P. S. Dikule
6	Paper No. DSE-F6 Chemistry Paper No. XIV (Organic Chemistry)	
	Unit 1. Reagents and Reactions in Organic Synthesis	Dr. T. R. Lohar
	Unit 2. Retrosynthesis	Dr. T. R. Lohar
	Unit 3. Electrophilic addition to $>C=C<$ and $-C\equiv C-$ bonds	Dr. S. T. Mane
	Unit 4. Natural Products	Dr. T. R. Lohar
	Unit 5. Pharmaceuticals	Dr. T. R. Lohar

7	Paper No. DSE-F 7 Chemistry Paper No. XV (Physical Chemistry)	
	Unit 1. Phase Equilibria	Dr. A. M. Sargar
	Unit 2. Thermodynamics	Dr. A. R. Supale
	Unit 3. The Solid State	Dr. A. R. Supale
	Unit 4. Chemical Kinetics	Dr. A. R. Supale
	Unit 5. Distribution law	Dr. A. M. Sargar
8	Paper No. DSE-F8 Chemistry Paper No. XVI (Industrial Chemistry)	
	Unit 1. Sugar Industry	Dr. S. T. Mane
	Unit 2. Manufacture of Industrial Heavy Chemicals	Dr. S. T. Mane
	Unit 3. Synthetic Polymers	Dr. S. T. Mane
	Unit 4. Petroleum industry and eco-friendly fuels	Dr. S. T. Mane
	Unit 5. Nanotechnology	Dr. A. M. Sargar



(Dr. D. G. Kanase)
Head

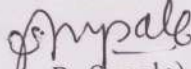
Department of Chemistry

HEAD,
Department of Chemistry
Dr. Patangrao Kadam Mahavidyalaya
SANGLI 416 416

Syllabus Distribution

M. Sc. II, Sem. IV (2021-22)

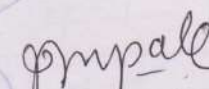
Sr. No.	Unit Name	Allotment	Sign
Paper No. -XIII, ACH 4.1: MODERN SEPARATION METHODS IN ANALYSIS			
1	UNIT-I: Advanced Gas Chromatographic Techniques	Dr. S. R. Sabale	Visiting
2	UNIT-II: Advanced Liquid Chromatographic Techniques	Dr. R. S. Dhabbe	visiting
3	UNIT-III: Ion Chromatography	Ms. R. S. Patil	<u>Rpatil</u>
4	UNIT -IV: A) Modern extraction and separation techniques B) Extractive Chromatographic Separations	Ms. R. S. Patil	<u>Rpatil</u>
ACH-XIV: Organic Industrial Analysis (Organic Section):			
1	UNIT - I: Industrial Analysis A) Analysis of oils, fats and Soaps B) Analysis of Detergents	Ms. S. Y. Salunkhe	<u>Salunkhe</u>
2	UNIT - II: Food and Food Additive Analysis	Dr. S. T. Mane	<u>Smane</u>
3	UNIT-III: Analysis of cosmetics products	Ms. S. Y. Salunkhe	<u>Salunkhe</u>
4	UNIT-IV: Analysis of Paints, pigments and petroleum products	Ms. S. Y. Salunkhe	<u>Salunkhe</u>
ACH - XV. Advanced methods in chemical analysis(Physical Section):			
1	UNIT-I : Fluorescence and Phosphorescence Spectrophotometry	Dr. A. R. Supale	<u>Supale</u>
2	UNIT-II: Kinetic Methods of analysis	Ms. P. R. Waghmare	<u>P.R.</u>
3	UNIT - III: Photoelectron spectroscopy	Dr. T. R. Lohar	<u>T.R. Lohar</u>
4	UNIT-IV: X-ray spectroscopy	Ms. K. R. Koli	visiting.
Paper No. -XVI(A), ACH 4.4(A): INDUSTRIAL ANALYTICAL CHEMISTRY			
1	UNIT-I: Spectrochemical Methods of Analysis	Ms. R. S. Patil	<u>Rpatil</u>
2	UNIT-II: Analysis of metals and alloys	Ms. P. R. Waghmare	<u>P.R.</u>
3	UNIT-III: Analysis of soil and fertilizers	Dr. R. N. Deshmukh	<u>R.N.</u>
4	UNIT-IV: Analysis of Commercial materials	Ms. P. R. Waghmare	<u>P.R.</u>


 (Dr. A. R. Supale)
 Coordinator

M. Sc. Analytical Chemistry

Syllabus Distribution M. Sc. I, Sem. II (2021-22)

Sr. No.	Unit Name	Allotment	Sign
Paper-CH-201: Inorganic Chemistry – II			
1	Chemistry of Non-transition Elements and their compounds	Ms. R. S. Patil	<u>R. S. Patil</u>
2	a) Stereochemistry and bonding in Main group compounds b) Non-aqueous solvents	Ms. R. S. Patil	<u>R. S. Patil</u>
3	Chemistry of f-block elements (Lanthanides and Actinides)	Ms. R. S. Patil	<u>R. S. Patil</u>
4	a) Solid state chemistry b) Bioinorganic Chemistry	Dr. V. J. Sawant	visiting
Paper-CH-202: Organic Chemistry-II			
1	a) Study of following rearrangements b) Photochemistry	Ms. S. Y. Salunkhe	<u>S. Y. Salunkhe</u>
2	a) Hydroboration b) Enamins c) Oxidation	Ms. S. Y. Salunkhe	<u>S. Y. Salunkhe</u>
3	a) Reductions b) Protection of functional group	Dr. S. T. Mane	<u>S. T. Mane</u>
4	a) Study of Organometallic compounds b) Methodologies in organic synthesis	Ms. S. Y. Salunkhe	<u>S. Y. Salunkhe</u>
Paper-CH-203: Physical Chemistry – II			
1	Quantum Chemistry	Dr. S. V. Nipane	visiting
2	Photochemistry	Dr. A. R. Supale	<u>A. R. Supale</u>
3	Electrochemistry	Ms. P. R. Waghmare	<u>P. R. Waghmare</u>
4	Chemical Kinetics	Ms. P. R. Waghmare	<u>P. R. Waghmare</u>
Paper-CH-204: Analytical Chemistry- II			
1	UV-Vis and IR Molecular Spectroscopy	Dr. T. R. Lohar	<u>T. R. Lohar</u>
2	Advanced Analytical Tools	Dr. T. R. Lohar	<u>T. R. Lohar</u>
3	Thermal Analysis	Dr. R. N. Deshmukh	<u>R. N. Deshmukh</u>
4	Atomic Spectroscopy	Ms. P. R. Waghmare	<u>P. R. Waghmare</u>


 (Dr. A. R. Supale)
 Coordinator
 M. Sc. Analytical Chemistry



Bharati Vidyapeeth's
Dr. Patangrao Kadam Mahavidyalaya, Sangli

TEACHING COMPLETION REPORT

Term I/II (2021-2022) 2021-2022-Term-I

1/Sr./Arts/Science/Commerce Faculty

Sawant Tanaji Rajaram

Lecturer in Economics hereby affirm that, I have full and
comprehensively completed the teaching in the following papers during term I/II (2021-2022)

Sr. No.	Name of the Paper	Total Lectures Engaged	Date of Completion of the portion
1	International Economics Paper No IX - B.A III	52	20/01/2022
2	History of Economic- Thoughts-I Paper No XII B.A-III	54	20/01/2022
3	Macro Economics-Paper-III B.A. Part II	55	22/01/2022
4	Macro Economics-Paper I B.com: II	56	22/01/2022
5	Banking Laws in India Paper-I B-com-III	55	20/01/2022

Date 24/01/2022

Name & Signature of Tanaji Sawant
Subject Teacher (T. R. Sawant)

Dr. Patangrao Kadam

Principal

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TEACHING PROGRAMME 2021-2022

Term I/II From 1/10/2021 To 24/11/2022

1) Name of Teaching: T. R. Sawant 2) Class: B A III

3) Title of the Paper: International Economics-I 4) Date of commencement of Lecture 1-10-2021

5) No. of lectures per week 04 6) Total Lectures required 60

Month	Topics to be covered (in detail)	No of Lectures required
<u>October</u> <u>2021</u>	<u>Module-I Trade and Trade Theories (15)</u>	
	1.1 Importance of the study of International Economics	04
	1.2 Inter-regional and international trade - similarities and dissimilarities.	04
	1.3 Ricardian theory of international trade.	04
	1.4 Heckscher-Ohlin Theory	03
<u>November</u> <u>2021</u>	<u>Module-II - Gains from International Trade (15)</u>	
	2.1 Gains from International trade and their measurement	04
	2.2 Trade as an engine of economic growth.	03
	2.3 Terms of trade - meaning concepts and application	04

	2.4 Factors affecting terms of trade	04
<u>December 2021</u>	<u>Module-III Exchange Rate</u>	<u>(15)</u>
	3.1 meaning of exchange rate purchasing power parity theory	03
	3.2 Fixed Exchange Rate-meaning merits and demerits.	04
	3.3 Flexible Exchange Rate-meaning and merits and demerits	04
	3.4 Floating Exchange Rate-meaning, merits and demerits	04
<u>January 2022</u>	<u>Module-IV Tariffs and quotas</u>	<u>(15)</u>
	4.1 Free Trade-meaning-arguments for and against	04
	4.2 Trade protection policy-meaning arguments for and against.	04
	4.3 Tariffs, meaning, types and effects.	04
	4.4 Quotas-meaning types and effects.	03

Signature

Subject Teacher

(T. R. Sawant)

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Head of Dept.

(T. R. Sawant)

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Bharati Vidyapeeth's

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TEACHING PROGRAMME 2021-2022

Term I/II From 1/10/2021 To 24/01/2022

1) Name of Teaching: T. R. Sawant 2) Class: BA III

3) Title of the Paper: History of Economic Thoughts - I XII 4) Date of commencement of Lecture 1-10-2021

5) No. of lectures per week 04 6) Total Lectures required 60

Month	Topics to be covered (in detail)	No of Lectures required
October 2021	Unit I: Origin of Economic Thoughts (15)	
	1.1 Early economic thought & the emergence of mercantilism. features of mercantilism.	04
	1.2 meaning and causes of emergence of physiocracy	04
	1.3 The concept of natural order and primacy of agriculture	04
	1.4 Tableau économique	03
November 2021	Unit II - Classical Economic Thoughts (15)	
	2.1 Adam Smith - Division of labour, theory of value and canons of taxation	05
	2.2 David Ricardo - Theory of value and views on distribution	05
	2.3 Thomas Malthus - Theory of population	03
	2.4 Theory of gluts	02

December 2021	Unit III - Economic Thoughts of Karl Marx	(15)
	3.1 The concept of scientific socialism and materialist approach.	05
	3.2 The Theory of value	04
	3.3 Theory of surplus value	03
	3.4 concept of falling rate of profit	03
January 2022	Unit IV - Economic Thoughts of Fredrick List	(15)
	4.1 criticism on classical school	04
	4.2 stages of Economic growth	03
	4.3 concept of nationalism	04
	4.4 Theory of protectionism	04

Dhanu
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(T. R. Sawant)

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Dr. Patangrao Kadam Mahavidyalaya, Sangli

TEACHING PROGRAMME 2021-2022

2021-2022

Term I/II From 1/10/2021 To 24/01/2022

1) Name of Teaching : T R Sawant 2) Class : B A II

3) Title of the Paper : Macro Economics Paper III 4) Date of commencement of Lecture 1-10-2021

5) No. of lectures per week 04 6) Total Lectures required 60

Month	Topics to be covered (in detail)	No of Lectures required
<u>October 2021</u>	<u>Unit I : Introduction to macro Economics</u>	<u>(15)</u>
	<u>1.1 meaning, Definition, Nature and scope</u>	<u>04</u>
	<u>1.2 Difference between micro and macro Economics</u>	<u>04</u>
	<u>1.3 Importance and Limitations</u>	<u>03</u>
	<u>1.4 macro Economic variable</u>	<u>03</u>
<u>November 2021</u>	<u>Unit II : National Income</u>	<u>(15)</u>
	<u>2.1 meaning and Definitions.</u>	<u>03</u>
	<u>2.2 Different concepts: GNP, NNP, GDP at market prices and factor cost, per capita Income, personal Income, Disposable Income</u>	<u>06</u>
	<u>2.3 methods of measuring National Income: product, Income and Expenditure</u>	<u>03</u>

	2.4 difficulties in the measurement of National Income Importance of National Income Data	03
December 2021	<u>Unit III: money and Value of money</u>	(15)
	3.1 Definitions and functions of money	03
	3.2 Value of money - quantity Theory of money - Transaction Approach Cash Balance Approach.	04
	3.3 Index Number - meaning Type - construction of simple and weighted Index Numbers	05
	3.4 Importance of Index Numbers	03
January 2022	<u>Unit IV: - out put and Employment</u>	(15)
	4.1 Say's Law of market:	03
	4.2 Keynesian Theory of Employment.	03
	4.3 consumption function - Average propensity to consume (APC) marginal propensity to consume (MPC) factors affecting consumption function	05
	4.4 Investment function, concept of multiplier	04

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Dr. Patangrao Kadam Mahavidyalaya, Sangli

TEACHING PROGRAMME 2021-2022

Term I/II From 21/10/2021 To 24/01/2022

1) Name of Teaching : T. R. Sawant 2) Class : Bcom. II

3) Title of the Paper : Macro Economics Paper-I 4) Date of commencement of Lecture 1-10-2021

5) No. of lectures per week 04 6) Total Lectures required 60

Month	Topics to be covered (in detail)	No of Lectures required
<u>October</u> <u>2021</u>	<u>Unit I :- Introduction to macro Economics</u>	<u>(15)</u>
	<u>1.1 meaning, nature and scope</u>	<u>04</u>
	<u>1.2 significance of macro Economics</u>	<u>04</u>
	<u>1.3 Limitation of macro Economics</u>	<u>04</u>
	<u>1.4 macro Economic variables</u>	<u>03</u>
<u>November</u> <u>2021</u>	<u>Unit 2 :- National Income</u>	<u>(15)</u>
	<u>2.1 meaning and concepts - GDP, GNP, MNP, personal and disposable Income, per capita Income, National Income at current and Expenditure constant prices</u>	<u>05</u>
	<u>2.2 methods of computing, National Income - product Income and Expenditure methods.</u>	<u>04</u>
	<u>2.3 Difficulties in computing National Income</u>	<u>03</u>

	24 Applications of ratios and some Data	03
December 2021	Unit 3 <u>Value of money</u>	(15)
	3.1 - concept of value of money	03
	3.2 Quantity, Theory of money - Transaction Approach - cash Balance Approach	04
	3.3 Inflation - causes of inflation Inflation and Interest rates social cost of inflation Remedies to control of Inflation	04
	3.4 Index Numbers - meaning construction of simple and weighted Index numbers	04
January 2022	Unit 4 <u>Output and Employment</u>	(15)
	4.1 J.B Say's Law of market	03
	4.2 Keynesian Theory of Employment	03
	4.3 con consumption function - concept and Types, factors influencing consumption function	05
	4.4 Investment function - marginal Efficiency of capital Investment, multiplier	04

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Dr. P. K. Kadam

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TEACHING PROGRAMME 2021-2022

Term I/II From 02/10/2021 To 24/01/2022

1) Name of Teaching: T. R. Sawant 2) Class: B.Com. III

3) Title of the Paper: Banking Laws in India paper I 4) Date of commencement of Lecture 1-10-2021

5) No. of lectures per week 04 6) Total Lectures required 60

Month	Topics to be covered (in detail)	No of Lectures required
<u>October</u>	<u>Unit I Banking Laws</u>	<u>(15)</u>
<u>2021</u>	<u>1.1 Need and importance of Banking Laws</u>	<u>04</u>
	<u>1.2 Banking Regulation Act 1949</u>	<u>04</u>
	<u>1.3 New Bank Licensing Policy 2013</u>	<u>03</u>
	<u>1.4 Provisions for opening and closing of bank branches in India</u>	<u>04</u>
December	<u>Unit 2 - Banking Laws relating</u>	<u>(15)</u>
<u>November</u>	<u>co-operative Banks</u>	
<u>2021</u>	<u>2.1 Co-operative Societies Act 1912</u>	<u>03</u>
	<u>2.2 Maharashtra co-operative Societies Act 1960</u>	<u>04</u>
	<u>2.3 Multi state co-operative Societies Act 2002</u>	<u>04</u>
	<u>2.4 Employees - co-operative credit societies model</u>	<u>4</u>

	Bye Law in Maharashtra	
December 2021	<u>Unit III: The Negotiable Instrument Act 1881 and Amendments</u>	(15)
	3.1 meaning Types features and parties of Bill of Exchange	03
	3.2 meaning features and parties of promissory Note	04
	3.3 meaning - Types features and parties of cheque.	04
	3.4 protection to a Paying Banker and collecting Banker	04
January 2022	<u>Unit IV :- other relating to Banking</u>	(15)
	4.1 Important provisions under Indian contract Act 1872	04
	4.2 Garnishee order - meaning steps and Execution of garnishee order	04
	4.3 mortgage of Immovable properties and its Types	04
	4.4 Banking ombudsman scheme 2006	03

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Bharati Vidyapeeth's
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TEACHING COMPLETION REPORT

Term I/II (2020-2021) 2021-2022 Term-II

✓/Sr./Arts/Science/Commerce Faculty

Sawant Tanaji Rajaram

Lecturer in Economics hereby affirm that, I have full and ✓
comprehensively completed the teaching in the following papers during term I/II (2021-2022)

No.	Name of the Paper	Total Lectures Engaged	Date of Completion of the portion
1	International Economics Paper No-XIV B A III	55	30/05/2022
2	History of Economic Thoughts - II Paper XVI - B A III	52	28/05/2022
3	macro Economics - paper-V B A Part II	54	27/05/2022
4	macro Economics - Paper-II Bcom part II	55	28/05/2022
5	Bank Management Practices Paper III - Bcom part III	55	30/05/2022

Date 30/05/2022

Name & Signature of Tanaji Sawant
Subject Teacher (T. R. Sawant)

Dr. Patangrao Kadam
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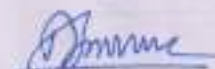
TEACHING PLANNING 2021-2022 - 2021-2022

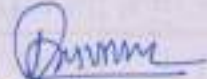
Term I/II From 1/03/2022 To 21/06/2022

- 1) Name of Teacher: T. R. Sawant 2) Class: B. A III
3) Title of the Paper: International Economics - II
4) Date of commencement of Lecture: 1/03/2022
5) No. of Lectures per week: 04 6) Total Lectures required: 60

Month	Topics to be covered (in detail)	No. of required Lectures
March 2022	Module-I: Balance of Trade and Balance of Payments	15
	1:1 Balance of Trade and Balance of Payment.	(03)
	1:2 Importance of Balance of Payment	(04)
	1:3 Disequilibrium in Balance of Payments causes and consequences	(04)
	1:4 measures to correct disequilibrium in Balance of Payments	(04)
April 2022	Module II: Foreign Trade of India- 1991	15
	2:1 volume, composition and data	

	direction.	03
	2:2 EXIM policy of 2014-19	04
	2:3 Trade administration of India.	04
	2:4 convertibility of Rupee: meaning and types	04
May 2022	Module-III: Foreign Capital in India	15
	3:1 Need for foreign capital.	03
	3:2 Types of foreign capital	04
	3:3 Foreign capital policy of Government of India.	04
	3:4 Trends in Foreign Direct Invest ment in India	04
June 2022	Module-IV: International Institutions and India	15
	4:1 IMF: objective and functions.	03
	4:2 IBRD: objective, functions.	04
	4:2 ADB: objective functions.	04
	4:4 WTO: objective, functions.	04


Subject Teacher
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Bharati Vidyapeeth's

Dr. Patangrao Kadam Mahavidyalaya, Sangli

TEACHING PROGRAMME 2021-2022

Term I/II From 1/03/2022 To 21/6/2022

1) Name of Teaching : T. R. Sawant 2) Class : Bcom II

3) Title of the Paper : macro Economics 4) Date of commencement of Lecture 1-3-2022
Paper II

5) No. of lectures per week 04 6) Total Lectures required 60

Month	Topics to be covered (in detail)	No of Lectures required
<u>march</u> <u>2022</u>	<u>Unit I :- Trade cycles</u>	<u>(15)</u>
	<u>1.1 meaning features and</u> <u>Types</u>	<u>03</u>
	<u>1.2 Phases of Trade cycles</u>	<u>04</u>
	<u>1.3 Theories of Trade cycles</u> <u>- Hawtrey and Schumpeter</u>	<u>05</u>
	<u>1.4 control of Trade cycles</u>	<u>03</u>
<u>April</u> <u>2022</u>	<u>Unit II :- public finance</u>	<u>(15)</u>
	<u>2.1 meaning - nature and scope</u> <u>The principle of maximum</u> <u>Social Advantage</u>	<u>03</u>
	<u>2.2 public Revenue - meaning</u> <u>Tax - Revenue - Direct and</u> <u>Indirect Taxes - merits and</u> <u>Demerits - concept of goods</u> <u>and service Tax (GST)</u>	<u>05</u>
	<u>2.3 public Expenditure - causes</u>	

	of growth and effects.	03
	2.3 public Expenditure-ca'	
	<u>2.4</u> public debt - forms and Effects - Deficit financing objective and limitation	04
<u>may</u>	<u>Unit III</u> 8 → <u>International Trade (15)</u>	
2022	<u>3.1</u> Concept of Trade - Internal and International Trade	03
	<u>3.2</u> Advantage and disadvantage of International Trade Ricardian Theory of International Trade Terms of Trade - meaning Types and its influencing factors.	05
	<u>3.3</u> Balance of payments - cause of disequilibrium measures of correct disequilibrium	04
	<u>3.4</u> concepts of free Trade and protective Trade	03
<u>June</u>	<u>Unit IV</u> 8 - <u>Rate of Exchange (15)</u>	
2022	4.1 concept of Rate of Exchange	03
	4.2 Types - fixed flexible - spot and future rate of exchange	05
	4.3 purchasing power parity Theory	04
	4.4 modern theory of rate exchange	03

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Subject Teacher

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Dr. Prakash
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TEACHING PROGRAMME 2021-2022

Term I/II From 1/03/2022 To 2/16/2022

1) Name of Teaching : T. R. Sawant 2) Class : B. A III

3) Title of the Paper : History of Economic Thoughts - Part II - 16 4) Date of commencement of Lecture 1/03/2022

5) No. of lectures per week : 04 6) Total Lectures required : 60

Month	Topics to be covered (in detail)	No of Lectures required
<u>March</u> <u>2022</u>	<u>Unit-1 :- Neo-classical Economic Thoughts - Alfred Marshall</u>	<u>(15)</u>
	<u>1-1 Theory of value</u>	<u>03</u>
	<u>1-2 The concept of Representative firm</u>	<u>04</u>
	<u>1-3 consumer's surplus and Elasticity of demand</u>	<u>04</u>
	<u>1-4 Quasi Rent</u>	<u>03</u>
<u>April</u> <u>2022</u>	<u>Unit-2 :- Indian Economic Thoughts</u>	<u>(15)</u>
	<u>2-1 Mahatma Phule - views on agriculture and education</u>	<u>04</u>
	<u>2-2 Rajarshi Shahy Maharaj's policy for agriculture development and Co-operation</u>	<u>04</u>
	<u>2-3 Dr. Babasaheb Ambedkar - views on agriculture and views on money</u>	<u>04</u>
	<u>2-4 Dadabhai Nauroji - Drain Theory</u>	<u>03</u>

<u>May</u> 2022	<u>Unit III</u> Mahatma Gandhi	(15)
	3.1 Concept of village development	03
	3.2 Importance of decentralized	04
	3.3 Basic principles of development	05
	3.4 Concept of Gram-Swarajya	03
<u>June</u> 2022	<u>Unit IV</u> Economic Thoughts of Modern Economies	(15)
	4.1 Gopal Krishna Gokhale's views on public finance	03
	4.2 D R Gadgil - views on co-operative development and decentralization of power	04
	4.3 V. M. Dandekar's views poverty	04
	4.4 Sen's views on poverty and public action Amartya Sen - choice of techniques.	04

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TEACHING PROGRAMME 2021-2022

Term I/II From 1/03/2022 To 21/6/2022

1) Name of Teaching : T. R Sawant 2) Class : B. A III

3) Title of the Paper : History of Economic Thoughts paper No-16 4) Date of commencement of Lecture 1/03/2022

5) No. of lectures per week 04 6) Total Lectures required 60

Month	Topics to be covered (in detail)	No of Lectures required
<u>March</u> <u>2022</u>	<u>Unit-1 :- Neo-classical Economic Thoughts - Alfred Marshall</u>	<u>(15)</u>
	<u>1-1 Theory of value</u>	<u>03</u>
	<u>1-2 The concept of Representative firm</u>	<u>04</u>
	<u>1-3 consumer's surplus and Elasticity of demand</u>	<u>04</u>
	<u>1-4 Quasi Rent</u>	<u>03</u>
<u>April</u> <u>2022</u>	<u>Unit-2 :- Indian Economic Thoughts</u>	<u>(15)</u>
	<u>2-1 Mahatma Phule - views on agriculture and education</u>	<u>04</u>
	<u>2-2 Rajarshi Shahy Maharaj's policy for agriculture development and co-operation</u>	<u>04</u>
	<u>2-3 Dr. Babasaheb Ambedkar - views on agriculture and views on money</u>	<u>04</u>
	<u>2-4 Dadasaheb Nauroji - Drain Theory</u>	<u>03</u>

<u>May</u> 2022	<u>Unit III - Mahatma Gandhi</u> (15)	
	3.1	Concept of village development 03
	3.2	Importance of decentralized 04
	3.3	Basic principles of development 05
	3.4	Concept of Gram-Swarajya 03
<u>June</u> 2022	<u>Unit IV - Economic Thoughts of Modern Economies</u> (15)	
	4.1	Gopal Krishna Gokhale's views on public finance 03
	4.2	D. R. Gadgil - views on co-operative development and decentralization of power 04
	4.3	V. M. Dandekar's views on poverty 04
	4.4	Sen's views on poverty and public action Amartya Sen - choice of techniques. 04

Signature
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TEACHING PROGRAMME 2021-2022

Term III From 1/03/2022 To 2/16/2022

1) Name of Teaching : T. R. Sawant 2) Class : B A II

3) Title of the Paper : macro Economics Paper V 4) Date of commencement of Lecture 1-3-2022

5) No. of lectures per week 04 6) Total Lectures required 60

Month	Topics to be covered (in detail)	No of Lectures required
<u>March</u> <u>2022</u>	<u>Unit I: Inflation</u>	<u>(15)</u>
	1-1 meaning, definitions and Types of Inflation	04
	1-2 causes of inflation	03
	1-3 Effects of inflation	04
	1-4 Remedies to control inflation	04
<u>April</u> <u>2022</u>	<u>Unit II: Trade cycles</u>	<u>(15)</u>
	2-1 - meaning and features of Trade cycles	04
	2-2 Phases of Trade cycles	04
	2-3 Theories of Trade cycles Hawtrey and schumpeter	05
	2-4 control of Trade cycles	03
<u>May</u> <u>2022</u>	<u>Unit-III: Public finance-I</u>	<u>(15)</u>
	3-1 public finance- meaning Nature and scope	04
	3-2 The principle of maximum	

	Social Advantage	04
	3.3 Taxation - Direct and Indirect Taxes - meaning, merits and Demerits	04
	3.4 Budget: Budgetary Process	03
<u>June</u> 2022	<u>Unit 4 - Public Finance - II</u>	(15)
	4.1 public Expenditure - meaning concept and Growth of Public Expenditure	04
	4.2 public debt - meaning Sources and Effects	03
	4.3 Deficit financing - meaning Types and methods	04
	4.4 fiscal policy - meaning objectives and Instruments	04

Bhume
Subject Teacher

(T. R. Sawant)

Bhume
Head of Dept.

(T. R. Sawant)

Prakash
PRINCIPAL

Dr. Pansagara Kadam Mahavidyalaya
Sangli-416418 (Sangliwadi.)



Bharati Vidyapeeth's

Dr. Patangrao Kadam Mahavidyalaya, Sangli

TEACHING PROGRAMME 2021-2022

Term [✓] II From 1/03/2022 To 21/6/2022

1) Name of Teaching: T. R. Sawant 2) Class: BCom III

3) Title of the Paper: Bank management practices - paper III 4) Date of commencement of Lecture: 1-3-2022

5) No. of lectures per week: 04 6) Total Lectures required: 60

Month	Topics to be covered (in detail)	No of Lectures required
<u>March</u> <u>2022</u>	<u>Unit I - Administrative structure of Bank head office</u>	<u>(15)</u>
	<u>1-1 Importance of head office</u>	<u>03</u>
	<u>1-2 Administrative structure of Bank head office</u>	<u>04</u>
	<u>1-3 Department in head office of the bank and functions</u>	<u>04</u>
	<u>1-4 Duties and Responsibilities of CEO / M.D</u>	<u>04</u>
<u>April</u> <u>2022</u>	<u>Unit II - Administrative structure of Regional and Zonal office.</u>	<u>(15)</u>
	<u>2-1 Importance of Zonal and Regional offices</u>	<u>04</u>
	<u>2-2 Administrative structure of Zonal offices</u>	<u>04</u>
	<u>2-3 Administrative structure of Regional office</u>	<u>04</u>

	2:4 Role and Responsibilities Regional / Zonal manager	03
<u>May</u> 2022	<u>Unit III</u> <u>Bank Branch management</u> (15)	
	3:1 structure of Bank Branches	03
	3:2 General Administrative structure of Bank Branch	04
	3:3 Duties and Responsibilities of office in charge of Deposit Section.	04
	3:4 Role and Responsibility of cashier Role of Branch manager.	04
<u>June</u> 2022	<u>Unit IV</u> <u>Banking Business Practices</u> (15)	
	4:1 principles of Banking and Importance of Banking principles	04
	4:2 Investment policy of the Bank.	04
	4:3 Internal and statutory Audit of the Bank.	03
	4:4 Nature and scope of Audit Importance of Audit	04

Dhanu
Subject Teacher
(T. R. Sawant)

Dhanu
Head of Dept.
(T. R. Sawant)

S. R. Sawant
PRINCIPAL
Dr. Pankarao Kadam Mahavidyalaya
Sangli-415416.(Sangliwadi.)



Bharati Vidyapeeth's
Dr. Patangrao Kadam Mahavidyalaya, Sangli

Teaching Plan 2021 -2022
Term/II from 01/03/2022 to 30/06/2022

1. Name of Teacher: Dr. A. P. Supak	2. Class: M. Sc. II
3. Title of Paper: Advanced Methods	4. Date of commencement:
5. No. of lectures per week: 01	6. Total lectures required: 15

Month	Points to be covered	No. of lectures required
	Unit 3 :- Fluorescence and phosphorescence spectrometry	
March	Introduction to photochemistry —	02
	Fluorimetry, types of luminescence —	01
	Instrumentation —	01
	Theories of Fluorescence and phosphorescence	} 01
April	electronic transition, structural factors.	} 01
	Solventochromism, Solvation dynamics —	01
	Fate of excited state molecule, solvent effect	} 01
	Effect of intermolecular process, fluorescence anisotropy and time domain fluorescence. life time measurement	} 02
May	Relation between Conc. with F & P' intensity	} 01



Bharati Vidyapeeth's
Dr. Patangrao Kadam Mahavidyalaya, Sangli

Teaching Plan 2021-2022
Term/II from 02/03/2022 to 30/06/2022

1. Name of Teacher: Dr. A. R. Jyote	2. Class: M.Sc. 2.
3. Title of Paper: Physical Chemistry	4. Date of commencement: 02/03/2022.
5. No. of lectures per week: 01	6. Total lectures required: 15.

Month	Points to be covered	No. of lectures required
March	Unit II Photochemistry	
	Absorption of light, laws of photochemistry, electronic structure of molecule	01
	Molecular orbital, electronically excited states, designation based on multiplicity rule.	01
	Frank Condon Principle, selection rules, nature of electronic spectra	01
	Jablonski diagram: Photophysical pathways - radiative and non-radiative transitions	01
	Pre-dissociation - photodissociation	01
	Prompt fluorescence, delayed fluorescence	01
	Phosphorescence	01
	Quenching - Stern-Volmer equation	01

Quenching by excimer, exciplex	— 01
FRET process — Critical energy transfer distance	} 01
Examples and applications in chemical Analysis	} 01
Photooxidation	— 01
Photoreduction	— 01
Photodimerization and photosensitized reactions	} 01
Green house effect	— 01

Supale
Subject Teacher

(Dr. A. R. Supale)

[Signature]
Head of Department

[Signature]
Patangarao Kadam Mahavidyalaya

Dr. Patangarao Kadam Mahavidyalaya
Sangli-410010 (Sangli road.)



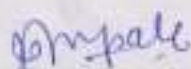
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Dr. Patangrao Kadam Mahavidyalaya, Sangli

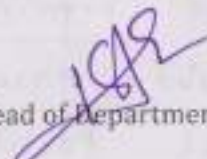
Teaching Plan 2021-2022
Term I/II from 02/03/2022 to 30/06/2022

1. Name of Teacher: Dr. A. R. Supale.	2. Class: B.Sc III
3. Title of Paper: Physical Chemistry	4. Date of commencement: 02/03/2022
5. No. of lectures per week: 02	6. Total lectures required: 24

Month	Points to be covered	No. of lectures required
	Unit II Thermodynamics	
	Introduction. Free energy : Gibbs function and Helmholtz: Function	} 01
	Criterion for thermodynamic equilibrium and spontaneity	
	Gibbs Helmholtz equation	- 01
	Variation of G and A	- 01
	Clapeyron-Clausius equation and applications	} 02
	Thermodynamic derivation of law of mass action	
	Van't Hoff Isotherm and Isochores	- 01
	Fugacity and activity concepts, Partial Molar quantities, PMV	} 01
	Concept of Chemical Potential,	
	Gibbs Duhem equation	} 01
	Numerical problems	

Unit 3 The solid state		
Introduction: (space lattice, lattice sites, planes and unit cell	} 01	
Laws of crystallography	— 01	
Weiss and Miller Indices	— 01	
Cubic lattice and types — planes or faces of simple cubic system, spacing of lattice planes	} 01	
Diffraction of X-rays, Bragg's equation	} 01	
Determination of crystal structure of NaCl & KCl	} 01	
Numerical problems	— 01	
Unit 4 Chemical Kinetics.		
Introduction	— 01	
Opposing reaction — derivation side reactions	— 01	
Consecutive reactions	— 01	
Chain reactions	— 01	
Explosive reactions	— 01	


 Subject Teacher
 (Dr. A. R. Jupale)


 Head of Department


 PRINCIPAL
 Dr. Patangrao Kadam Mahavidyalaya
 Sangli-416415 (Sangliwad)



Bharati Vidyapeeth's
Dr. Patangrao Kadam Mahavidyalaya, Sangli

Teaching Plan 2021-2022.
Term I/II from 01/08/2021 to 31/01/2022.

1. Name of Teacher: Dr. A. P. Supale	2. Class: M.Sc. II
3. Title of Paper: Electroanalytical techniques	4. Date of commencement: 01/10/2021
5. No. of lectures per week: 01	6. Total lectures required: 15

Month	Points to be covered	No. of lectures required
Sept	Unit I - Voltammetry Techniques	
	Introduction and Principle	01
	Excitation signals in voltammetry	01
	Basic instrumentation based on operational amplifiers	01
	Voltammetric electrodes	01
October	Cyclic Voltammetry - Instrumentation	01
	Determination of analyte	
	Applications of CV	01
	Modified electrodes	01
November	Stripping voltammetry - ASV and CSV	01
	Adsorptive stripping methods -	01
	Steps involved in stripping V	
	Voltammetry with microelectrodes	01
December	Pulse Voltammetry - Normal and Reverse pulse	01



Bharati Vidyapeeth's
Dr. Patangrao Kadam Mahavidyalaya, Sangli

Teaching Plan 2021-2021
Term I/II from 01/08/2021 to 31/01/2021

1. Name of Teacher: Dr. A. R. Supale	2. Class: M.Sc. III
3. Title of Paper: Env. Chem. Analy. & Contn.	4. Date of commencement: 01/10/2021
5. No. of lectures per week: 01	6. Total lectures required: 15

Month	Points to be covered	No. of lectures required
October	Unit - II Electrochemical and Spectral methods of Environmental Analysis:- Introduction to instrumental techniques - 01 Principle instrumentation and application with respect to environmental analysis by —	
	1) Conductometry method —	02
November	2) Potentiometry —	01
	3) ISE —	01
	4) Cyclic Voltammetry —	01
December	5) Amperometry —	01
	6) Coulometry —	01
	7) Atomic absorption Spectroscopy —	02
	8) ICP —	02
January	9) Turbidimetry —	01
	10) NDIR —	01
	Applications of all the	



Bharati Vidyapeeth's
Dr. Patangrao Kadam Mahavidyalaya, Sangli

Teaching Plan 2021-2022
Term I/II from 01/09/2021 to 31/01/2022

1. Name of Teacher: Dr. A. R. Supale	2. Class: M.Sc I
3. Title of Paper: Physical chemistry	4. Date of commencement: 01/10/2022
5. No. of lectures per week: 02	6. Total lectures required: 30

Month	Points to be covered	No. of lectures required
	Unit I - Thermodynamics.	
October	Introduction, Revision of basic concepts	01
	Entropy and third law of thermodynamics, Entropies of phase transitions	01
	Methods of determining the practical absolute entropies.	01
	Maxwell relations.	01
November	Applications of Maxwell relations.	02
	thermodynamic equation of state	01
	Ideal and non Ideal solutions,	01
	Rault's law, Duhem-Margules equation.	01
	applications to Vapour Pressure curves	01
December	Partial molar quantities, Gibbs, Duhem equation	01

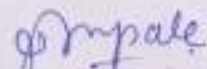
	Chemical potential, variation at w.r.t T & P.	} 01
	Henry's law	} 00
	Excess and Mixing thermo. properties	} 01
	Equilibrium constants.	- 01
	Numerical problems.	- 01
	Unit II :- Statistical Thermodynamics	
	Probability and distribution	- 01
	Stirling approximation	- 01
	Weights and configuration, the most probable configuration	} 01
	Ensembles, ensemble average & time average, statistical eqn	} 01
January	Thermodynamic probability, MB distribution law	} 01
	Partition function and significance.	- 02
	Rotational, translational P.F.	- 01
	Vibrational & electronic. P.F.	- 01
	Relationship between P.F and thermodynamic properties.	} 02
	Boltzmann Planck equation	- 01
	Partition function and third law of thermodynamics.	} 01

Subject Teacher

-Head of Department

Principal

Sackur Tetrode equation	01
applications to diatomic molecules	} 01
Statistical expression for equilibrium constant	
Limitations of MB. distribution	} 01
Numerical problems.	


 Subject Teacher
 (Dr. A. R. Jupale)


 Head of Department


 Principal
 Dr. Patangrao Kadam Mahavidyalaya
 Sangli-416416 (Sangliwadi)



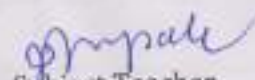
Bharati Vidyapeeth's
Dr. Patangrao Kadam Mahavidyalaya, Sangli

Teaching Plan 2021-2022
Term I/II from 01/09/2021 to 24/01/2022

1. Name of Teacher: Dr. A. R. Supale	2. Class: B.Sc. II
3. Title of Paper: Physical Chemistry	4. Date of commencement: 16/08/2021
5. No. of lectures per week: 01	6. Total lectures required: 17

Month	Points to be covered	No. of lectures required
August	Unit II - Physical Properties of liquid	
	Introduction - Classification of properties -	01
	Surface Tension - Phenomenon - determination using stalagmometric method	01
September	S-T - determination using differential capillary rise method, Hum. P on S.T	01
	Viscosity and determination using ostwalds viscometer	01
	Refractive Index, specific and molecular refractivities using Abbe's Refractometer	01
	Numerical problems	01
October	Unit V - Chemical Kinetics.	
	Introduction, third order reaction Derivation	01
	Characteristics and examples of reaction	01

November	Collision Theory	— 01
	Transition state Theory	— 01
	Unit III - Surface Chemistry	
December	Introduction - Adsorption as surface phenomenon, Basic terms	} 01
	Factors affecting adsorption	— 01
	Types of adsorption and distinction between physical and chemical adsorption	} 01
December	Freundlich Adsorption Isotherm	— 01
	Langmuir adsorption Isotherm	— 01
	Types of physical adsorption isotherm	} 01
January	Applications of adsorption	— 01


 Subject Teacher
 (Dr. A. R. Supale)


 Head of Department


 PRINCIPAL
 Dr. Patangrao Kadam Mahavidyalaya
 Sangli-410010, (Sangliwadi)

Bharati Vidyapeeth's
Dr. Patangrao Kadam Mahavidyalaya, Sangli

Teaching Completion Report

Term I/II (2021-2022)

Senior Science Faculty

I **Dr. Amit R. Supale**, Assistant Prof. of Department of **Chemistry** hereby affirm that, I have fully and comprehensively completed teaching in following papers during the Term I/II (2021-2022)

Sr. No.	Class	Name of Paper	Total Lectures/Practicals Engaged	Date of completion of portion
1	B.Sc.III	Physical Chemistry (P-XV)	25	09/05/2022
2	B.Sc.III	Physical Practicals.	54	15/05/2022
3	M.Sc-I	Physical chemistry-II	09	11/06/2022
4	M.Sc.II	Advanced methods of Chemical analysis.	08	18/05/2022

Date 30/06/2022

Amit R. Supale
(Dr. A. R. Supale)

Dr. Patangrao Kadam
PRINCIPAL

Dr. Patangrao Kadam Mahavidyalaya
Sangli-415115 (Sangliwadi.)

Bharati Vidyapeeth's
Dr. Patangrao Kadam Mahavidyalaya, Sangli

Teaching Completion Report

Term I/II (2021-2022)

Senior Science Faculty

I Dr. Amit R. Supale, Assistant Prof. of Department of Chemistry hereby affirm that, I have fully and comprehensively completed teaching in following papers during the Term I/II (2021-2022).

Sr. No.	Class	Name of Paper	Total Lectures/ Practicals Engaged	Date of completion of portion
1.	B.Sc. II	Physical Chemistry - (P-V) -	24	15/01/2022
2.	B.Sc. III	Physical Chemistry - (P-XI) -	36	27/01/22
3.	M.Sc. I	Physical chemistry - I (P-III)	29	04/02/22
4.	M.Sc. II	Electroanalytical techniques Environmental analysis	22	16/01/22
5.	M.Sc. II			
6.	B.Sc. III	Physical Practicals.	03	—

Date: 29/01/2022

Dr. A. R. Supale
Dr. A. R. Supale

Dr. Patangrao Kadam
PRINCIPAL

Dr. Patangrao Kadam Mahavidyalaya
Sangli-410512 (Sangliwadi.)