

Shri Shivaji Science College, Amravati

E – Contents for Post Graduate Students

Department of Chemistry

M. Sc. Part – I (Semester – I)

Google Classrooms

S.N.	Name of the Teacher	Joining Link	Class Code
	Dr.N. A. Kalambe	https://classroom.google.com/c/MjYwOTg0OTQzMdMY?cjc=mo5ut2h	mo5ut2h

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
Stoichiometric calculations based on gravimetry and titrimetry analysis of commercial samples	https://docs.google.com/document/d/1g9e8xB_3eKchuyP_IHsj7ul2PddKV4M/edit?usp=sharing&oid=100342740785624835997&rtpof=true&sd=true	Dr.N. A. Kalambe	The Basic- Chemical handling Safety	https://youtu.be/h5ld6Zv-mg	Dr.N. A. Kalambe
Basic concepts of Analytical Chemistry	https://drive.google.com/file/d/1tHXU8HVEZyT7r16JdVNDip3CpG-gyldO/view?usp=sharing	Dr.N. A. Kalambe	Chemical Safety and handling of chemicals	https://youtu.be/e2CK6ar-8x0	Dr.N. A. Kalambe
Explosive	https://drive.google.com/file/d/1CLXWGodiBGeVPpbfZOC-ZL5HQY9zT8q3/view?usp=sharing	Dr.N. A. Kalambe	Laboratory Ventilation Safe storage and use of hazardous chemicals	https://youtu.be/o6OkkgMLjzs	Dr.N. A. Kalambe
			Procedure for working with substances that pose hazards flammable hazards	https://youtu.be/O0pevC6_rq8	Dr.N. A. Kalambe
			Explosive hazards	https://youtu.be/1UJ9Oxst8EE	Dr.N. A. Kalambe
			Procedure for working with gases at pressure above or below atmosphere	https://youtu.be/VB09pKcOXco	Dr.N. A. Kalambe
			Safe storage and disposal of waste chemicals	https://youtu.be/toInMrA-log	Dr.N. A. Kalambe
			Chemical safety and hazards	https://youtu.be/ztIj71jouUzVo	Dr.N. A. Kalambe
			Recovery, recycling and reuse of laboratory chemicals	https://youtu.be/yV5-2ULV-uQ	Dr.N. A. Kalambe
			Disposal of chemicals in the sanitary sewer system Incineration of hazardous chemicals	https://youtu.be/vjW0oqejEqA	Dr.N. A. Kalambe
			Transportation of hazardous chemicals	https://youtu.be/X	Dr.N. A.

				FnBZjbV39E	Kalambe
			Introduction of chemical explosive Origin of explosive properties in organic compounds Classification Characteristics of special explosives	https://youtu.be/_Q2WEaf_Fbo	Dr.N. A. Kalambe
			Classification Preparation and properties of TNT Lead azide PETN Cyclonite RDX Dynamite-Cordite Gunpowder	https://youtu.be/_Q2WEaf_Fbo	Dr.N. A. Kalambe
			Introduction Classification of chemical weapons Chemical warfare agents Physical and chemical properties	https://youtu.be/bXm3JpuFsNc	Dr.N. A. Kalambe
			Nitrocellulose	https://youtu.be/0dA_mSZxAsI	Dr.N. A. Kalambe
			Classification of Analytical methods	https://youtu.be/qSHuyjQrKD0	Dr.N. A. Kalambe
			Qualitative and Quantitative analytical methods	https://youtu.be/Ajji5JQLQw	Dr.N. A. Kalambe
			Analytical Balances	https://youtu.be/3pSvq3kbQH4	Dr.N. A. Kalambe
			Analytical balances semi micro and micro balances and their use in analytical chemistry	https://youtu.be/kyteAWoLNXM	Dr.N. A. Kalambe
			Introduction and Principles of Good Laboratory Practices	https://youtu.be/fvIGTxiFtH8	Dr.N. A. Kalambe
			Introduction of sampling methods of sampling Techniques of sampling of solids,liquids,gases and particulates	https://youtu.be/43gwaUp1Bck	Dr.N. A. Kalambe
			Balances Techniques of Weighing and Errors	https://youtu.be/2tcxO_1D7sc	Dr.N. A. Kalambe
			Role,Nature,Classification,Types of Analytical Chemistry	https://youtu.be/-7JE3qFAWnY	Dr.N. A. Kalambe
			Introduction of purification techniques Purification techniques for solid organic compounds Criteria of purity	https://youtu.be/TXcojvKGL7I	Dr.N. A. Kalambe
			Purification techniques for liquids chemical method of separation and purification.	https://youtu.be/fhUoL6Q9rOw	Dr.N. A. Kalambe

M. Sc. Part – I (Semester – II)

Google Classrooms

S.N.	Name of the Teacher	Joining Link	Class Code
	Dr. N. A. Kalambe	https://classroom.google.com/c/NDEzNDg5OTE1NTYw?cjc=5cdn25b	5cdn25b

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
Oxidation-Reduction	https://docs.google.com/presentation/d/1Bcv9YDueCJlZrB_sRy1wh8NbTan4aTP9/edit?usp=sharing&oid=100342740785624835997&rtpof=true&sd=true	Dr. N. A. Kalambe	Topic C-C bond formation, Disconnection synthons, Electrophilic and nucleophilic species.	https://drive.google.com/file/d/1H3ivulfpowxlbVSVzGjWT6JwEfocL0t/view?usp=sharing	Dr. N. A. Kalambe
Wacker process Epoxidation	https://docs.google.com/presentation/d/1HmQ1pwBW-58rYndCcBO0hA585TsxVsA-/edit?usp=sharing&oid=100342740785624835997&rtpof=true&sd=true	Dr. N. A. Kalambe	Claisen Condensation Imp.points, reaction, mechanism.	https://drive.google.com/file/d/11KaPQZU6oWnQcU8jJWXgbYr__RXDrJ21/view?usp=drivesdk	Dr. N. A. Kalambe
Oxidation and Reduction Notes material	https://docs.google.com/presentation/d/1S5I6SCUt3g5H6smoji8vDAqwWR068Mye/edit?usp=sharing&oid=100342740785624835997&rtpof=true&sd=true	Dr. N. A. Kalambe	Dieckmann condensation Imp points , Reaction , mechanism	https://drive.google.com/file/d/12yaXaEjya8OgA6rwhS2VnH1FyyID4v40/view?usp=drivesdk	Dr. N. A. Kalambe
Formation of c-c bond	https://drive.google.com/file/d/1ewSe5Y7kx13CNEkfQD5B3Caz7RcGbnPS/view?usp=sharing	Dr. N. A. Kalambe	knoevenagal reaction	https://drive.google.com/file/d/13wrHVDPokqmszS-ZOWiBfG6ljmTfVooV/view?usp=drivesdk	Dr. N. A. Kalambe
			Malonic ester synthesis	https://drive.google.com/file/d/1AIVJBzCXtRlqlykONd4dDZYtX0FJt-/view?usp=drivesdk	Dr. N. A. Kalambe
			-Malonic ester remaining part	https://drive.google.com/file/d/1AjJ8MeXAbAeKMHP6WlT8duy1L8WbD4/view?usp=drivesdk	Dr. N. A. Kalambe
			Aceto acetic acid ester	https://drive.google.com/file/d/1AKCtokNGFr-G7LBDK-s4-BtSu89qFKre/view?usp=drivesdk	Dr. N. A. Kalambe
			Perkin reaction	https://drive.google.com/file/d/1B17pgNxTygaiJ5bAMnMeWMzruBh_VHtk/view?usp=sharing	Dr. N. A. Kalambe
			Darzens Reaction	https://drive.google.com/file/d/1D8RLZQ2fa82-psF4Gq4pB0rS4FRXJ8xv/view?usp=sharing	Dr. N. A. Kalambe
			Diels Alder Reaction	https://drive.google.com/file/d/1DubaU0r47-7WuljrcZBaNuiqd8h-tdgB/view?usp=sharing	Dr. N. A. Kalambe
			Stobbe condensation	https://drive.google.com/file/d/1GGZQWmaip77FLabJRw75aar-KOEPV_iP/view?usp=sharing	Dr. N. A. Kalambe
			F.c.reaction	https://youtu.be/L3fSuNLB-zY	Dr. N. A. Kalambe
			Fries rearrangement prins reaction introduction of oxidation and reduction	https://youtu.be/wwzGWD4yq04	Dr. N. A. Kalambe

M. Sc. Part – II (Semester – III)

Google Classrooms					
S.N.	Name of the Teacher	Joining Link		Class Code	
Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
Air Pollution	https://drive.google.com/file/d/1kunOtgZ-eqrONyZQHg8UkdmtfvMZunA1/view?usp=sharing	Dr. N. A. Kalambe			

M. Sc. Part – II (Semester – IV)

Google Classrooms

S.N.	Name of the Teacher	Joining Link	
	Dr. N. A. Kalambe	https://classroom.google.com/c/MTIyMjQ3MjAxNjU5?cjc=ilc4rvv	ilc4rvv Class vie

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
Polymer Notes	https://drive.google.com/file/d/1U3h3TS_11xy4pRJZw5qb8iU9cXUtFhit/view?usp=sharing	Dr. N. A. Kalambe	Polymer	https://youtu.be/_5Tj8uXHnXU	Dr. N. A. Kalambe
Plant Growth Regulators	https://drive.google.com/file/d/1Kgo2Yb-2gzedq3-L6xuzkdVFahC9IHcM/view?usp=sharing	Dr. N. A. Kalambe	Polymer	https://youtu.be/UKmZHFvel9g	Dr. N. A. Kalambe
Fuel analysis	https://drive.google.com/file/d/1GbMqMhzLNsuqB8sxqflrIsFaKLIUGIQ4/view?usp=sharing	Dr. N. A. Kalambe			
Fuel Analysis	https://drive.google.com/file/d/10CeSgniO_IGaOcsWM6e1XIsFmtjo03O1/view?usp=sharing	Dr. N. A. Kalambe			
Dyes	https://drive.google.com/file/d/1eylP3Ama6bcn9GyPFcqoyf4JdJCiTv_E/view?usp=sharing	Dr. N. A. Kalambe			
Agrochemicals	https://drive.google.com/file/d/1kwjN75Q-N_7oz_Du9RpO8-qK4kAhhqPD/view?usp=sharing	Dr. N. A. Kalambe			
Agrochemicals	https://drive.google.com/file/d/10zF00qlg0GNaf9xaTfSacKEXV1QMqsFD/view?usp=sharing	Dr. N. A. Kalambe			
Polymer Notes	https://drive.google.com/file/d/1U3h3TS_11xy4pRJZw5qb8iU9cXUtFhit/view?usp=sharing	Dr. N. A. Kalambe			
Plant Growth Regulators	https://drive.google.com/file/d/1Kgo2Yb-2gzedq3-L6xuzkdVFahC9IHcM/view?usp=sharing	Dr. N. A. Kalambe			
Fuel analysis	https://drive.google.com/file/d/1GbMqMhzLNsuqB8sxqflrIsFaKLIUGIQ4/view?usp=sharing	Dr. N. A. Kalambe			
Fuel Analysis	https://drive.google.com/file/d/10CeSgniO_IGaOcsWM6e1XIsFmtjo03O1/view?usp=sharing	Dr. N. A. Kalambe			
Dyes	https://drive.google.com/file/d/1eylP3Ama6bcn9GyPFcqoyf4JdJCiTv_E/view?usp=sharing	Dr. N. A. Kalambe			
Agrochemicals	https://drive.google.com/file/d/1kwjN75Q-N_7oz_Du9RpO8-qK4kAhhqPD/view?usp=sharing	Dr. N. A. Kalambe			
Agrochemicals	https://drive.google.com/file/d/10zF00qlg0GNaf9xaTfSacKEXV1QMqsFD/view?usp=sharing	Dr. N. A. Kalambe			
Polymer Notes	https://drive.google.com/file/d/1U3h3TS_11xy4pRJZw5qb8iU9cXUtFhit/view?usp=sharing	Dr. N. A. Kalambe			
Plant Growth Regulators	https://drive.google.com/file/d/1Kgo2Yb-2gzedq3-L6xuzkdVFahC9IHcM/view?usp=sharing	Dr. N. A. Kalambe			
Fuel analysis	https://drive.google.com/file/d/1GbMqMhzLNsuqB8sxqflrIsFaKLIUGIQ4/view?usp=sharing	Dr. N. A. Kalambe			
Fuel Analysis	https://drive.google.com/file/d/10CeSgniO_IGaOcsWM6e1XIsFmtjo03O1/view?usp=sharing	Dr. N. A. Kalambe			
Dyes	https://drive.google.com/file/d/1eylP3Ama6bcn9GyPFcqoyf4JdJCiTv_E/view?usp=sharing	Dr. N. A. Kalambe			
Agrochemicals	https://drive.google.com/file/d/1kwjN75Q-N_7oz_Du9RpO8-qK4kAhhqPD/view?usp=sharing	Dr. N. A. Kalambe			
Agrochemicals	https://drive.google.com/file/d/10zF00qlg0GNaf9xaTfSacKEXV1QMqsFD/view?usp=sharing	Dr. N. A. Kalambe			
Dyes and Natural Pigments	https://drive.google.com/file/d/15EMbwKv11KylprT6vqoprFyEHQ1nocbC/view?usp=sharing	Dr. N. A. Kalambe			