

GANESH INSTITUTE OF ENGINEERING AND TECHNOLOGY, POLYTECHNIC

DEPARTMENT OF CIVIL ENGINEERING

LESSON PLAN CUM PROGRESS REPORT

SUBJECT: ENGINEERING CHEMISTRY				SEMESTER: 1 st			BRANCH: CIVIL ENGINEERING		
LECTURE NO.	CO	BTL	TOPIC TO BE COVERED	BOOK NAME/ CHAPTER NO./ PAGE NO.	WEB REFERENCE IF ANY	TEACHING LEARNING METHOD	PLAN DATE	ACTION DATE	REVIEW BY HOD
1	1	1	PHYSICAL CHEMISTRY: CHAPTER-1: ATOMIC STRUCTURE: Fundamental particles (Electron, Proton, & Neutron definition, mass and charge)	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 1 Page No.- 33-40	https://www.youtube.com/live/eYoBCJERiTI?si=TkVwBTgiH8OTu8en	1-Introduction to EC.- 5min 2-Prerequisite for EC-PPT/Smart Board-10min 3-Syllabus & CO discussion-10 min 4-Lecturer-35 min	16/08/23		
2	1	2	Rutherford's Atomic model (postulates and failure)	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 1 Page No.- 38-39 & 44	https://www.youtube.com/live/sWogwePrauQ?si=1zYfRc3dVYBzimXA	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	18/08/23		
3	1	2	Atomic mass and mass number	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 1 Page No.- 60	https://youtu.be/Px_amh8dOEs?si=AKGt-4-Autwnh8Ts	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	21/08/23		
4	1	2	Definition, example and properties of Isotopes, isobars and isotones	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 1 Page No.- 61	https://youtu.be/YKcEER_XOqA?si=0WIRF7WCMI_2scqz	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	22/08/23		
5	1	2	Bohr's Atomic model (Postulates only)	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 1 Page No.- 44-45	https://youtu.be/PPszdtlS5Gis?si=oRjHzt7qzORfjI0d	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	23/08/23		
6	1	2	Bohr-Bury scheme and Aufbau's principle	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 1 Page No.- 47 & 52-53	https://youtu.be/whN9RnY8Lfo?si=BVh1qfS2EBRgQi7D https://youtu.be/EqDefoo1brc?si=80jUdOwA_XNqg3fg	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	25/08/23		
7	1	2	Hund's rule, Electronic configuration (up to atomic no 30)	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 1 Page No.- 53-57	https://youtu.be/EqDefoo1brc?si=80jUdOwA_XNqg3fg https://youtu.be/GSXR8chD0jQ?si=Gz_UmBQJPmgQacbu	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	28/08/23		

8	1	1	CHAPTER-2: CHEMICAL BONDING: Definition , Types Electrovalent bond with examples (NaCl, MgCl ₂)	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 1 Page No.- 71-75	https://youtu.be/XlnX-hAuAp4?si=9d_koaBuFfuLCWG https://youtu.be/W30szAUOVc?si=ZTsBDsiLVK_Jdc0Z	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	29/08/23		
9	1	2	Covalent bond with example (H ₂ ,Cl ₂ , O ₂ , N ₂ , H ₂ O, CH ₄ , NH ₃)	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 1 Page No.- 76-77	https://youtu.be/W30szAUOVc?si=ZTsBDsiLVK_Jdc0Z	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	04/09/23		
10	1	2	Coordinate bond with examples (NH ₄ ⁺ , SO ₂)	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 1 Page No.- 78-79	https://youtu.be/pHTvAeOCwLQ?si=wJZbtRViv1Acoam	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment- 10 min	05/09/23		
11	1	1	CHAPTER-3: ACID BASE THEORY: Concept of Arrhenius theory and Bronsted- Lowry theory for acid and base with examples (Postulates and limitations only)	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 1 Page No.- 85-89	https://youtu.be/Ygnf17WkaDI?si=idhd4Zx00OD3tp0	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment- 10 min	08/09/23		
12	1	1	Lewis theory for acid and base with examples (Postulates and limitations only)	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 1 Page No.- 89- 91	https://youtu.be/u14ikRPwCkg?si=xlPplgO7-fGAePVs	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment- 10 min	11/09/23		
13	1	1	Definition of Salt, Types of salts (Normal, acidic, basic, double, complex and mixed salts, definitions with 2 examples from each).	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 1 Page No.- 93	https://youtu.be/BABq_PUEacQ?si=evAj42LDL9dOaw21 https://youtu.be/YeuChWZTK8o?si=QMHLFv-TVkKJJ00n	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment- 10 min	12/09/23		
14	1	2	CHAPTER-4: SOLUTIONS: Definitions of atomic weight, molecular weight, Equivalent weight. Determination of equivalent weight of Acid, Base and Salt.	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 1 Page No.- 65	https://youtu.be/EFLOWEwHKdU?si=yve2nFNaWHSdqRXF	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment- 10 min	13/09/23		
15	1	2	Modes of expression of the concentrations (Molarity , Normality & Molality) with Simple Problems	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 1 Page No.- 98-104	https://youtu.be/Tj7mzTc0l5A?si=USUGNOwMIF65WSUD	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment- 10 min	15/09/23		
16	1	2	pH of solution (definition with simple numericals) Importance of pH in industry (sugar, textile, paper industries only)	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 1 Page No.- 108-111	https://youtu.be/0JLJncz76k?si=0R-nJhklXnCzOXvV	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment- 10 min	18/09/23		
17	2	1	CHAPTER-5: ELECTROCHEMISTRY: Definition and types (Strong & weak) of Electrolytes with example	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 1 Page No.- 122-125	https://youtu.be/mRlydjcqUjE?si=aT_BWH-N0_IKBWuF	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment- 10 min	20/09/23		

18	2	2	Electrolysis (Principle & process) with example of NaCl (fused and aqueous solution)	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 1 Page No.- 125-127	https://youtu.be/9fFe94ybFZ8?si=I5ER1FbWQmVJ6t-R https://youtu.be/CECjYuQkM7A?si=ytrlc43qFTmleZpL	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	22/09/23		
19	2	2	Faraday's 1 st law of Electrolysis (Statement, mathematical expression and Simple numerical)	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 1 Page No.- 130-131	https://youtu.be/GGa8aNaBFwk?si=PvoxYTazd8s0SuxD	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	25/09/23		
20	2	2	Faraday's 2 nd law of Electrolysis (Statement, mathematical expression and Simple numerical) Industrial application of Electrolysis- Electroplating (Zinc only)	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 1 Page No.- 132-'136	https://youtu.be/GGa8aNaBFwk?si=PvoxYTazd8s0SuxD https://youtu.be/VMnK-wR2sFE?si=Z0pw0qcy-7qdsGB-	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	26/09/23		
21	2	2	CHAPTER 6 : CORROSION: Definition of Corrosion, Types of Corrosion- Atmospheric Corrosion. Mechanism of rusting of Iron only.	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 1 Page No.- 142-143	https://youtu.be/1BBqsZRegdq?si=BxT9Z4EKKATLy6N5 https://byjus.com/chemistry/rusting-iron-prevention/#:~:text=The%20oxygen%20atoms%20bond%20with%20iron%20atoms%2C,iron%2C%20accompanied%20by%20a%20loss%20of%20electron s. https://byjus.com/ee/corrosion/	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	27/09/23		
22	2	2	Waterline corrosion. Protection from Corrosion by (i) Alloying and (ii) Galvanization.	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 1 Page No.- 144-147	https://youtu.be/D1cDv44uZUs?si=VKxzfnpzVkj2eufQ https://youtu.be/L-7LBswH13M?si=nlsYUSYWsDAAfZP https://byjus.com/question-answer/methods-for-prevention-of-corrosion/	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	29/09/23		
23	3	1	INORGANIC CHEMISTRY: Chapter 7 : Metallurgy: Definition of Mineral, ores , gangue with example. Distinction between Ores And Minerals	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 2 Page No.- 153-154	https://byjus.com/question-answer/define-the-following-terms-i-mineral-ii-ore-iii-gangue/ https://youtu.be/1kDjEwLnDAU?si=fFpLS_6opXLIp6Z	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	03/10/23		
24	3	2	General methods of extraction of metals, i) Ore Dressing ii) Concentration (Gravity separation, magnetic separation)	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 2 Page No.- 157-158	https://youtu.be/77AE87blOmA?si=7TQIOjsFWCLpbilt https://www.toppr.com/guides/chemistry/general-principles-and-processes-of-isolation-of-elements/concentration-of-ores/	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	04/10/23		
25	3	1	ii) Concentration (Froth floatation & leaching)	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 2 Page No.- 158-159	https://www.toppr.com/guides/chemistry/general-principles-and-processes-of-isolation-of-elements/concentration-of-ores/	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	06/10/23		

26	3	1	iii) Oxidation (Calcinations, Roasting)	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 2 Page No.- 159-160	https://youtu.be/6zms3Q4RxN8?si=uyApdEOT8cszJGfs	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	09/10/23		
27	3	1	iv) Reduction (Smelting, Definition & examples of flux, slag)	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 2 Page No.- 160-163	https://youtu.be/77AE87blOmA?si=ZbpfWCp1hm4JKfp9 https://youtu.be/6zms3Q4RxN8?si=uyApdEOT8cszJGfs	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	10/10/23		
28	3	1	v) Refining of the metal (Electro refining & Distillation only)3w	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 2 Page No.- 163-164	https://youtu.be/CWuclR5pUMg?si=LZyBw30mxNzjhZJ0	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	11/10/23		
29	3	1	CHAPTER 8 : ALLOYS: Definition of alloy. Types of alloys (Ferro, Non Ferro & Amalgam) with example	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 2 Page No.- 168-170	https://scienly.com/what-are-alloys/	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	13/10/23		
30	3	1	Composition and uses of Brass, Bronze, Alnico, Duralumin	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 2 Page No.- 170	https://scienly.com/what-are-alloys/	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	16/10/23		
31	4	1	ORGANIC CHEMISTRY: CHAPTER 9 : HYDROCARBONS : Saturated and Unsaturated Hydrocarbons (Definition with example)	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 3 Page No.- 200-208	https://youtu.be/e3l9ZtuRjDo?si=AgVaOcn68RwFKlMI	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	17/10/23		
32	4	1	Aliphatic and Aromatic Hydrocarbons (Huckel's rule only)	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 3 Page No.- 196	https://byjus.com/chemistry/aromatic-compounds/#:-:text=Huckel's%20rule%20states%20that%20only,the%20plane%20of%20the%20molecule.	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	18/10/23		
33	4	2	Difference between Aliphatic and aromatic hydrocarbons	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 3 Page No.- 199	https://www.vedantu.com/question-answer/state-the-difference-between-aliphatic-and-class-11-chemistry-cbse-5fd79a56c0af9500a2b88218	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	20/10/23		
34	4	2	IUPAC system of nomenclature of Alkane (up to 6 carbons) with bond line notation	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 3 Page No.- 187	https://youtu.be/uwRN8YZX56w?si=Mo9aOXFtkzUakUB	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	24/10/23		

35	4	2	IUPAC system of nomenclature of Alkene (up to 6 carbons) with bond line notation	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 3 Page No.- 188-189	https://youtu.be/nrtxclbpYml?si=llpjaFvTtpbk6dgv	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	25/10/23		
36	4	2	IUPAC system of nomenclature of Alkyne (up to 6 carbons) with bond line notation	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 3 Page No.- 189	https://youtu.be/w8PD4fAwg5c?si=LhcNZVBd5pYv5mJN https://youtu.be/ARFo1nVvrOU?si=byJGV0fYJjEbX3xt https://byjus.com/chemistry/introduction-to-alkyne/	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	27/10/23		
37	4	2	IUPAC system of nomenclature of alkyl halide (up to 6 carbons) with bond line notation	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 3 Page No.- 190	https://testbook.com/chemistry/haloalkanes-haloarenes	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	30/10/23		
38	4	2	IUPAC system of nomenclature of alcohol (up to 6 carbons) with bond line notation	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 3 Page No.- 187	https://byjus.com/chemistry/nomenclature-of-alcohols/	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	31/10/23		
39	4	3	Uses of some common aromatic compounds (Benzene, Toluene and BHC) in daily life.	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 3 Page No.-211	https://byjus.com/chemistry/uses-of-benzene/ https://labproinc.com/blogs/chemicals-and-solvents/top-5-uses-for-toluene?srsitid=AfmBQorT8fs78f2mfzbAXyWazrsNGqtLh6g7JLrxZStPnwavU6tzDvmk https://byjus.com/chemistry/benzene-hexachloride/	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	01/11/23		
40	4	3	Uses of some common aromatic compounds (Naphthalene, Anthracene and Benzoic acid) in daily life.	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 3 Page No.- 211	https://www.vedantu.com/chemistry/naphthalene https://www.vedantu.com/chemistry/anthracene https://www.vedantu.com/chemistry/benzoic-acid-uses	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	03/11/23		
41	5	1	INDUSTRIAL CHEMISTRY CHAPTER 10 : WATER TREATMENT : Sources of water	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 4 Page No.- 221-224	https://youtu.be/jvQn9IMi79M?si=q5oITW9TQb4v7ma-	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	06/11/23		
42	5	2	Soft water, Hard water, Hardness	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 4 Page No.- 224	https://youtu.be/vCWjRJ14I3I?si=EGb6G6pX0cbg8QyH	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	07/11/23		

43	5	2	Types of Hardness (temporary or carbonate and permanent or non-carbonate)	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 4 Page No.- 225	https://youtu.be/jM_2mP_1NgI?si=H7JsE3c3gZz64hp0	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	08/11/23		
44	5	3	Removal of hardness by lime soda method (hot lime —Principle, process & advantages)	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 4 Page No.- 234-237	https://youtu.be/TD6aoAsTKY0?si=Oo-iFyJoaoEFaB-e	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	10/11/23		
45	5	3	Removal of hardness by lime soda method (cold lime —Principle, process & advantages) Advantages of Hot lime over cold lime process.	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 4 Page No.- 234-237	https://youtu.be/LKhivS-QNSQ?si=k6VMNeGYmSJkxhW	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	13/11/23		
46	5	3	Organic Ion exchange method (principle, process, and regeneration of exhausted resins)	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 4 Page No.- 231-232	https://youtu.be/cE7vSnVRC2o?si=n-yx9kZMhtzG7se2	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	14/11/23		
47	5	1	CHAPTER 11 : LUBRICANTS: Definition of lubricant, Types (solid, liquid and semisolid with examples only)	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 4 Page No.- 242-245	https://youtu.be/Kuj2X6ncPBc?si=AYR0as_wZDmKTCyO	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	15/11/23		
48	5	3	specific uses of lubricants (Graphite, Oils, Grease), Purpose of lubrication	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 4 Page No.- 242-245	https://youtu.be/Kuj2X6ncPBc?si=y6c1qj0ejwwYTWY- https://youtu.be/-G5Z-ZmXTXg?si=eS2CfFZJeDKRvrlO	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	17/11/23		
49	5	2	CHAPTER 12 : FUEL: Definition and classification of fuel	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 4 Page No.- 250	https://youtu.be/svXe-svCEho?si=BaITKBUEPz0NTdDd	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	20/11/23		
50	5	1	Definition of calorific value of fuel, Choice of good fuel	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 4 Page No.- 250-252	https://youtu.be/Gbb_eWhmwiY?si=e-al7Y-JRsYur12d https://youtu.be/svXe-svCEho?si=BaITKBUEPz0NTdDd	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	21/11/23		
51	5	3	Liquid: Diesel, Petrol, and Kerosene (Composition and uses)	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 4 Page No.- 257-259	https://www.econology.info/fuels-petroleum/	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	22/11/23		

52	5	3	Gaseous: Producer gas and Water gas (Composition and uses)	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 4 Page No.- 261-264	https://youtu.be/wmPjdK3F2IE?si=e2NawK3XL2LQ7ctf https://youtu.be/gpF9lt28c1Q?si=06tB-GofnAQ7mlg7	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	24/11/23		
53	5	3	Elementary idea about LPG, CNG and coal gas (Composition and uses only)	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 4 Page No.- 264-266	https://youtu.be/wmPjdK3F2IE?si=e2NawK3XL2LQ7ctf https://youtu.be/gpF9lt28c1Q?si=06tB-GofnAQ7mlg7	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	28/11/23		
54	5	1	CHAPTER 13 : POLYMER: Definition of Monomer, Polymer, Homo-polymer, Co-polymer	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 4 Page No.- 279-280	https://youtu.be/C0rArqogsBE?si=LXS1IWWGofXfgTGn https://youtu.be/CUculXMKAAU?si=hjXwyPo_LadcJ-SR	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	29/11/23		
55	5	2	Definition of Degree of polymerization. Difference between Thermosetting and Thermoplastic	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 4 Page No.- 280-281	https://youtu.be/C0rArqogsBE?si=LXS1IWWGofXfgTGn https://youtu.be/JAcOrPZzbmw?si=I37F4Tqpx8LK8PKd	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	01/12/23		
56	5	3	Composition and uses of Polythene	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 4 Page No.- 281-282	https://youtu.be/urZ6S0ZJHk8?si=i_iigg-WNMaKceoQ	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	04/12/23		
57	5	3	Composition and uses of Poly-Vinyl Chloride and Bakelite	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.-4 Page No.- 282-284	https://youtu.be/PdAEBSHW5fo?si=FJTxf0w-IFViors https://youtu.be/MtQ6LmkibS0?si=UPimn1pc0DW5w5yC	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	05/12/23		
58	5	2	Definition of Elastomer (Rubber). Natural Rubber (it's draw backs). Vulcanisation of Rubber. Advantages of Vulcanised rubber over raw rubber	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- 4 Page No.- 285-287	https://youtu.be/iZTUCumkhHw?si=TtMHU8oSKxjSWmYn https://youtu.be/5vuLTSGVBtU?si=KRh5QTi2KZKpUjgu https://youtu.be/Xp0aWBEssjQ?si=aL1xRDleXFdTzMX2	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	06/12/23		
59	5	3	CHAPTER 14: CHEMICALS IN AGRICULTURE: Pesticides: Insecticides, herbicides, fungicides- Examples and uses	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- Page No.-	https://youtu.be/MAIfQJFIS0?si=YfQLC_MQRsY-kVSp	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	08/12/23		

60	5	3	Bio Fertilizers: Definition, examples and uses	Text book of Engineering Chemistry by Y.R. Sharma and Pravati Mitra Chapter No.- Page No.-	https://byjus.com/biology/biofertilizers/#:~:text=Biofertilizers%20are%20substance%20that%20contains.%2Dgreen%20algae%2C%20and%20bacteria.	1-Previous class topic Review-5 min 2-Lecturer-45 min 3-Doubts & Assignment-10 min	11/12/23		
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Principal

Faculty

HoD, Civil Engineering