Syllabus for TG EAPCET 2025-E Stre

CHEMISTRY

CHEMISTER Bronders, Sab- atomic particle, Annie: modela – Thenson's Model, Entherford's Modelar model di otto, Davalock, Developments the Boh'n model of atom; Name di elestromagnetic malation; Particle nature of elestromagnetic malation; Particle atomic particles, David Isabali of Bohyang and Sabali and Sabali anomic particles. David Isabali of Bohyang and Sabali and Sabali Anomic particles. David Isabali on discussion of Quantum Mechania and of atomic Davidasi and aquamm numbers; Mayaeo of anomic obstuits. Dergies of atomic Davidasi and aquamm numbers; Mayaeo of anomic obstuits. Dergies of atomic Davidasi and aquamm numbers; Mayaeo of anomic obstuits. Dergies of atomic Davidasi and aquamm numbers; Mayaeo of anomic obstuits. Dergies of atomics Davidasi and aquamm numbers; Mayaeo of anomic obstuits. Dergies of atomics Davidasi and aquamm numbers; Mayaeo of anomic obstuits. Dergies of atomics Davidasi and aquamm numbers; Mayaeo of anomic obstuits. Dergies of atomics Davidasi and aquamm numbers; Mayaeo of anomic obstuits. Dergies of atomics obstuits davidasi and aquamm numbers; Mayaeo of anomic obstuits. Dergies of atomics of atomic Davidasi and atomic and the Pringle Particle - Atomicanis Davidasi and ado anomic anomic and anomic anomic atomic atomic atomic and anomic anomic atomic atomic atomic atomic atomic atomic atomic atomic anomic atomic ato

3 CHIMCAL INVENTS AND MOLECULAR STRUCTURE: Kond - Levis approach to chemical bonding. Over risk, Representation boat - Pactors methecides, frame darges, hundress of early fields have a reflexionation boat - Brains methecides, frame darges, hundress of early fields and the structure of the board angle, and board analyh, should early cannot be have a structure of the structure Valence Shell Electrica Fair Republic (VSRP), howing: Parksing the geometry of boards of early device of the structure of the structure of the structure Valence Shell Electrica Fair Republic (VSRP), howing: Parksing the geometry of boards of early of the structure of the structure of the structure of the boards of early of the structure of the structure of the structure of the boards of early of the structure of the structure of the boards or explored the structure of the structure of the structure of a structure of the structure of the structure of the structure of the digrams for materia structure in the structure of t

4) STATES OF MATTER: GASES AND LIQUIDS

Svllabus for TG EAPCET 2025-E Stream (Engineering Stream)

Addition of Hydrogen, halogen, water, sulpharic axid, Hydrogen halides (Mechanism-ionie and peroxide effect, Mathownikov's, anti Mathownikov's or Khansche effect). Odiadino, Donoshyki and Polynerization, Albyses - Nomencharine and Honerimus, structure of acceptene. Methods of preparation of acceptene: Physical properties, Chemical reactions - axide character of acceptene, didition reactions- of Hydrogen, Halogen, Hydrogen halides and Water. Polymerization.

AROMATIC HYDROCARBONS: Nomenclature and isomersion, Structure of beazene, Resonance and aromaticity: Proparation of beazene, Physical properties: Chemical properties: Mechanism of electrophile absolutionis. Electrophile substitution reactions-Nitration, Subplonation, Halogenation, Friedd-Carlto allylation and acylation; Directive Indence of Innetical groups in more solubilization beareness and toxicity.

14) SOLID STATE:

ISOLD PATE: Copyone in Alternation of order same: Associations and cryoselline solida. Classification of copyone in a bala based on additions thinking lines induced solida. To builty the source of disks. Two builty ensure of the solidary ensure of disks. Two builty ensure of disks. Two builty ensure of the solidary ensures of the solidary ensures of the solidary ensures of the solidary ensures of the solid solidary ensures of the solid disks of the disks of the disks. The disk of the disks of the disks. The disk of the disks of the disks of the disks of the disks of the disks. The disk of the disks of the disks. The disk of the disks of the disk of the disk of the disk. The disk of the disk. The disk of the disk. The disk of the disk of the disk of the disk. The disk of the disk of the disk of the disk. The disk of the disk. The disk of the disk of the disk. The disk of the disk of the disk of the disk. The disk of the disk.

of distance supervises and the second second

16 ELECTROCHEMISTRY AND CHEMICAL KINETICS: ELECTROCHEMISTRY: Electrochemical cells; Galvanic cells: measurement of electrode potentials. Nemts quantica-equilibrium contant from Nemat equation-electrochemical cell and Gibbs energy of the cell reaction; Conductance of electrolytics ionitanis-measurement of the conductivity and and and and an electronic potential and conductivity and potentials.

Syllabur for TC FAPCET 2025 F Str m (Engi

Syllabola for TC EAPCET 2025.5. Stream (Lagmering Mream) SULLADLEARS ADD NULLADERSEN: Charling and public from dashing for high constraints, also julication and stream (Stream) and the stream (Stream) and the stream (Stream) reaction (d) by the addition of public and hudgens to alkness - by hudgen reaction (d) by the addition of public and hudgens to alkness - by hudgen reaction (d) by the addition of public and hudgens to alkness - by hudgen reaction (d) by the addition of public public and hudgens to alkness - by hudgen and solid hyper constant areas for the stream (s) hudgen has a budgen molecular (d) by the addition of public public and hudgen and molecular (d) and the stream (s) and a stream (s) and (s) for the stream molecular (d) and the stream (s) and (s) and (s) and (s) for the stream molecular (d) and (s) molecular (s) and (s) molecular (s) and (s) molecular (s) and (s) an

25) ORGANIC COMPOUNDS CONTAINING C, H AND O (Alcohols, Phenols, Ethers, Aldehydes, Ketones and Carboxylic acids):

Addaption, INTERES Action and Carlwayte achieves Addaption, INTERES AND TIRES Action Constraints, and a draw science action of the constraints of the action of the action of the action of the material action of the action of the action of the compound probability of the actions of the action of the action of the actions of the action of the action of the actions of the action of the action of the actions of the action of the

CARBOXYLIC ACIDS: Nomenclature and structure of carboxyl group; Metho preparation of carboxylic acids (1) from primary alcohols and aldebydes (2) alkylbenzenes (3) from nitriles and amides (4) from Grignard reagents (5) from

Syllabus for TG EAPCET 2025-E Stream (Engi

The second secon

methel. Bolos meterios in Transet, **10 THEMADOWNENCE** Thermodynamic Terms, The system and the surroutinger, Types of systems and surroutings; The star of the system. The Internal Binory as a laser Fuescine, (a) Work, (b) Hol (c) The general case, the first law of Thermodynamics: Applications; Work, (b) Hold (c) Ange, and (c) Ange and (c) Ange and (c) Ange and provide the system of the system of the system of the system of the system (c) Bindley Ange, Al of eractions - neurism Enthicly (c) Manufae enthicy of exections, (b) Endipley Ange, Al of eractions - neurism Enthicly (c) Manufae enthicy of exections, (c) Bindley Ange, Al of eractions - neurism Enthicly (c) Manufae enthicy of exections, (c) Bindley Ange, Al of eractions - neurism Enthicly (c) Manufae enthicy of exections, enthic and the system of the system of the system of the system of the system downized in (C)P, the transition, Mathieve and solutions, (c) Mode Enthicy (L), (d) Enthicy of solution (L), AP) and dimines, Exponencies, (a) he decrease in enthics (c) change and equilibrium, Absolute corresp and the thef law of thermodynamics.

Syllabus for TG EAPCET 2025-E Stream (Engineering Stream)

molar conductivity with concentration-strong electrolytes and weak electrolytes-applications of Kohlmauch's law; Electrolytic cells and electrolysis: Faraday's laws of electrolysis-products of electrolysis; Batterice; primary batteries; Federelis; Federelis; Forderis; Federelis; Forderis; Federelis; Forderis; Federelis; Federel

CHEMICAL KINETICS: Rate of a chemical reaction; Factors influencing rate of a reaction: dependence of rate on concentration-rate expression and rate constant-order of a reaction, melevaluty of a reaction; Integrated rate equations: model reaction-role reactions. Individuely of a reaction; Pendoh fior order reactions; Tempennum-dependence of the rate of a reaction; «Flexib fior order meations: Tempennum-dependence of the rate of a reaction; «Flexib of collision theory of chemical reaction metasis).

Traction IDE. **DIVEDE INCLEMENTE:**Adoption and absorption: The divergence of physicoprises, characteristics of characteristics and exclutions characteristics. Classification of the characteristics of characteristics and exclutions characteristics of characteristics and exclutions characteristics of the diverse physical and characteristics of characteristics and exclutions characteristics of the diverse physical diverse of diverse of physical diverse of appendix physical diverse of the diverse physics of the diverse

arona in a spinistron of constant. IJCCINEAL IPACTICLE OF NETALLURGY: DOCUMENT ADVICENTIAL OF CONTRALLURGY: Document of match, Concentration of one-straight, magnetic separation, fourth frantiani, taching Barraini (et al. 1998). The monoparate physical of arealing -- Elingian control of the straight of the straight of the straight of the straight realistic of the straight of t

19) p.BLOCK ELEMENTS: GROUPLS ELEMENTS: Occurrence- electronic configuration, atomic and ionic radii, ionisation enables, electronegatively, physical and chemical properties, Daintopen preparation, properties and users: Canopands of introgen-preparation and properties of integent Preparation and properties of integration of integent Preparation and properties of integent Preparation and preparation in a preparation in a preparation in a properties of integent Preparation and preparation in a preparation in a preparation in a preparation in a preparation and preparation and

um (Engi Syllabur for TC FAPCET 2025 F Str

hiddes and anhydrides (6) from esters; Physical properties; Cennical reactions: (i) Reactions involving devarage of O4 hood-acidity, reactions with metals and altalies (ii) Reactions involving devarage of O4 hood-acidity, reactions with PCC, PCD, SOCL, escrification and reaction with ammonia (iii) Reactions in the hydrocurbon part -hadiogranizon and mg substantion; Uses of carboxylic acids.

26) ORGANIC COMPOUNDS CONTAINING NITROGEN:

AMNUSS Structure of amines: Classification, Nonneculture; Perparation of amines: reduction of airos compounds, ammonlysis of ally hinddus, reduction of antifica-tections of antifics, classification and the structure of antime, although reaction: Rysolical properties; Chenalical reactions: basic character of antime, although apidano, cardy all anti-reaction, reaction with thoms and, reactions in ally subploying choiceds, electrophilic substitution of aromatic amines-bromination, attraction and autohumanta.

DIAZONUM SALTS: Methods of preparation of diazoniam salts (by diazotization) Physical properties; Chemical reactions: Reactions involving displacement of Nicogen; Stadmeyer neuroids, Gaterman neuroids, replacement by locidod and fluoride ions ii) hydrogas, hydroxyl and Nikog group; reactions involving terestrion of dazo group; coupling neuroins: Importance of diazonisms salts in synthesis of source compositions.

CYANIDES AND ISOCYANIDES: Structure and nomenclature of cyanides isocyanides; Preparation, physical properties and chemical reactions of cyanides

Syllabur for TC EAPCET 2025-E Stre

Systems for 1/CAAC-LI 425-2. Series Leggmeering stream) () CHIMCAL EQUILIBRIUM NAN ACCESSA.SINSI: CHIMCAL EQUILIBRIUM CONTRACTORS () CHIMCAL EQUILIBRIUM CONTRACTORS () Description () particular stream () particular

Annume ACCORRANS AND SALTSAcids, bases and salts- Arthenius, Honomed Lowey and Lewis concepts of acids and bases, Isolantian of Acids and Hares-Jonization constant of the acid acid acid procession of the acid based on the acid acid acid acid bases and the same of the acid bases of

8) HYDROGEN AND ITS COMPOLIDS: Position of hydrogen in the predict table Dhydrogen-Occurrence and hostopen Popuration and properties of Dhydrogen. Hydraks: Ioaki, covalent and non-tocolonemic hydrakics, Water Physical properties, survaiser of water, ice. Denial poperties of water, and and soft water, response and semanticable of water, Hydrogen genoside: Proparation, Physical properties, survaiser and admixed properties, survaign and user, New Yorker, Physicage an Inde.

stangen darses: Revy Ware: Hydrogen at neft.
9. « ILCCC ELENDENTS (LACLI NOC ALCUINE FACTURITALS) Group I Elements : Adual media. Elements configurations. Atomic and Jusic radius Instanton enthropy. Hydrodian enthropy: Hydrodian propertics. Uncul. Elements : Adual media and a standard and a standard and a standard metals. Daognat elements of the compounds of the dual metal of the standard metals. Daognat elements and the standard metal and the standard hydrodia: Schlam Hydrodian Schlam Carbonitz, Sodam Chickel, Sodhum Hydrodia: Schlam Hydrodian Schlam Carbonitz, Sodam Chickel, Sodhum Carbonity, Physical metals, Schlam Carbonitz, Sodam Chickel, Sodhum Carbonity, Physical metals, Schlam Carbonitz, Sodam Chickel, Sodhum enthropy: Physical metals, and the Standard and Physicals. and Groupski et al. Schlam Schlam Schlam Carbonitz, Schlam Schlam Schlam Schlam enthropy: Physical metals, and hydrodian and Names), Amoundan behavior of Berylling in diagnat enthropic with Amalians, the impart on comparison of columns for the standard with Amalians, the impart on comparison of columns of parts. Control Schlam Schlam Schlam Carbonitz, Schlam Schlam Schlam enthropy: The Schlam Schlam Schlam Schlam Schlam Schlam Schlam enthropy: The Schlam Schlam Schlam Schlam Schlam Schlam Schlam Schlam enthropy: The Schlam Schlam Schlam Schlam Schlam Schlam Schlam enthropy: The Schlam Schlam Schlam Schlam Schlam Schlam Schlam Schlam enthropy: The Schlam Schlam Schlam Schlam Schlam Schlam Schlam Schlam enthropy: The Schlam Schlam Schlam Schlam Schlam Schlam Schlam Schlam enthropy: The Schlam Schlam Schlam Schlam Schlam Schlam Schlam Schlam enthropy: The Schlam Schlam Schlam Schlam Schlam Schlam Schlam Schlam enthropy: The Schlam Schlam Schlam Schlam Schlam Schlam Schlam Schlam enthropy: The Schlam Schlam

Syllabus for TG EAPCET 2025-E Stream (Engineering Stream)

GROUP-16 ELEMENTS: Occurrence- electronic configuration, atomic and ionic radiu, ionisation enthalpy, electron gain enthalpy, electronegrativity, physical and chemical properties: Doxygeneparations, properties and usces: Stuple educes (Drone-eperation, properties: survature and usces: Stuple aduces: Staphane discost, perspectives, survature and usces: Octoacido of sulphare; Sulphane: discost, perspective, and usces: Octoacido of sulphare; Sulphane: discost, perspective, properties and usces: Octoacido of sulphare; Sulphane: acid-industrial process of manifesture, properties and uses.

GROUP-17 ELEMENTS: Occurrence, electronic configuration, atomic and ionic radii, ionisation emhalpy, electron gain enthalpy, electronegativity, physical and chemical properties; Chlorine, preparation, properties and uses; Hydrogen chloride- preparation, properties and uses; Oxocaids of hudgens; Interhalpen compounds.

GROUP-18 ELEMENTS: Occurrence, electronic configuration, ionization enhalpy atomic radii, electron pain enhalpy, physical and chemical properties(a) Xenon-Bonier compounds: ACP, Xef, and XFe, (reparation, hydrolysis and formation of theore minon structures of XeF₂. XeF₁ and XeF₁ (b) Xenon-oxygen compounds: XeO₄ and XeOF₁ – their formation and structures.

characteristics and comparison with lamhanoas; some myrest. Biock elements. COORDINATION COMPOUNDS: Werner's theory of coordination compounds; Perfaritors of some terms used in coordination programs. Nonenclature of coordination contrastication compounds.

Construction Construction Construction Statistics Composition Statistics Construction Construction Construction Construction Composition LTPR Constructions Construction Composition (a) Startion Statistics Construction and Dynatic Interprises, TheoDing In constitution composate, Carlo Construction, Learning and Dynatic Interprises, TheoDing In constitution composate, Linguistics the Data Hordy Dynatic Interprises of Constitution Composition Universe both Hordy Dynatic Interprises, Dynatic Hordy Reiser, Barris Hordy, Dynatic Hordyn Linguistics Constitution Composition Universe both Hordy Dynatic Interprises (Construction) Construction Composition Universe both Hordy Dynatic Interprises (Construction) Construction Composition Universe Both Hordy Dynatic Interprises (Construction) Construction Composition Universe Construction Construction Construction Composition Composition Dependence and approximation Construction Construction Composition Composition Construction Construction Composition Composition Composition Composition Construction Construction Construction Composition Composition Composition Composition Composition Construction Construct

Syllabur for TC EAPCET 2025-E Stream (Engi

10p-BLOCK ELEMENTS - GROUP 12 (00000 FAMIL 7); General introduction: Electronic configuration, Asomic radii, Iositzation endulay), Betwo negarityis, Physical & Chemical properties. Insporture transform and anomalous properties of booms, durinitium and their compounds.

11) p-BLOCK ELEMENTS - GROUP 14 (CARBON FAMILY): General introduction - Electronic configuration, Abrunic radii, Iositzation enthulpy, Electro-negativity, Physical & Chernical properties, Insportant translation and anomalous properties of carbon, Altotropes of carbon, Uses of carbon, Some important compounds of carbon and silicon – a carbon monoxide, carbon discke, Silica, silicons, alteratorial profiles.

There is a second metalement of the second s

13) ORGANIC CHEMISTRY-SOME BASIC PRINCIPLES, TECHNIQUES AND HYDROCARBONS SOME BASIC PRINCIPLES AND TECHNIQUES

Gaussi introduction Terrorburg of Gabies tackpass of oppics compounds: Structural representations of oppics compounds. Characterization of arguin compounds benearized to the structure of the structure of the structure of the meeting of the structure of the structure of the structure of the inductive effect, resonance, resonance effects in concluse back-inductive effect, resonance, resonance effects in concluse back-inductive effect, resonance, resonance effects in concluse back-inductive effect, resonance, resonance effects in concluse back-dunation and analysis of oppics compounds, Quantumize elemental analysis of oppics compounds.

Utaparac. Tassification of Hydrocerbox; Alkenes - Nomeclature, isometism (structural and and informations) of enableship (hydrocerbox); Alkenes - Nomeclature, Popelatis 200, populations) and and an antiparticle of the structure of the structure of the structure Combinistic, Cosmibile Obditation, Isometrization, mesticine with stoma and populysis; Alkenes: Nomeclature, Nometrization, mesticine with stoma and generatically. Methods of preparation; Poperies: Physical and chemical reactions of the structure of t

Syllabus for TG EAPCET 2025-E Stream (Engineering Stream)

21/POLVMERS: Introduction, Charifferion of Polymers -Charifferiotin based on source, unterum, mode of polymerization, molecular faces and growth polymerization; Types of polymerization of polymerization, molecular faces and growth polymerization. Types of polymerization for radial mechanism-generation of addition polymery-polythese. Tellin, and polymerization of Nylon 6.6 and Nylan 6, opti centre-trybtes, holding, requiration of Nylon 6.6 and Nylan 6, opti centre-trybtes, holding, in endorse smaller depolymers, optivismics, Rather Baust, "Orket data and polymers-number acrega and sequilar acrega molecular mascs: phyl dipetity index of polymers-number acrega and sequilar acrega molecular mascs: phyl dipetity index (POI), Biolographic polymers, Polyhvitykkidok (PVC), ans-formaldulytic rest, Diyylan Balling, "Delivers and security success and ans-so.", Diptida Balling, "Delivers and security success and ans-so.", Diptida Balling, "Delivers and the success and security and the security of t

22) BIOMOLECULES:

ABROMENTATION COMPARISON TO A COMPARISON OF A COMPARISON OF A COMPARISON OF COMPARISON OF COMPARISON OF A COMP

23) CHEMISTRY IN EVERYDAY LIFE:

CHARGENT PAPERATURATE LESS CONSTRUCTION DE DES CONSTRUCTIONS DE LA CONSTRUCTION DE LA CONSTRUCTIÓN DE LA CON