



**ALL INDIA ONLINE TEST SERIES**  
**CSIR-NET June 2020**  
**STARTING – Feb. 2020**

**45 TESTS:24 Unitwise Practice Test + 8 Minor Test + 5 Major Test+ 3 Part Test**  
**+ 5 Full Length Tests**

**Value Addition Material + Supplementary Material:Soft copy& Hard copy**  
**(Expert Support:Telephonic Discussion/ Email Interaction)**

**Program Objective:**This is a comprehensive and intensive ‘interactive’ program focussing on sincere CSIR NET Aspirants who will appear in CSIR NET June 2020. Our experts provide steps by step guidance to aspirants for understanding the concepts of chemistry and preparing them for scoring good marks.

**Approach &Strategy:**Our Simple, practical and focussed approach will help aspirants to understand the demand of CSIR NET Exam effectively. Our strategy is to constantly innovate to keep the preparation process dynamic and give personalized attention to individual aspirants based on factor core competence, availability of time and resource and the requirement of CSIR NET Exam.

**Our interactive Learning approach (Email/Telephonic Discussion: Expert with Aspirants) will continuously improve aspirant’s performance and move their preparation in the right direction.**

**Number of Mock Test:45 TESTS: 24 Unitwise + 8 Minor + 5 Major + 3 Part + 5 Full Length**

**Fee (Incl. all taxes): Rs 4500/-**

**Nature:**Flexible- **Date of Mock Test: Reschedule on the demand of aspirants. (POSTPONE, BUT NOT PREPONE)**

**What you will get:**

- Login ID Password for performance analysis of aspirants. (Innovative Assessment System including POST TEST ANALYSIS)
- 45 Mock Test Papers & detailed conceptual Answer Explanations.
- Analysis of Mock Test papers based on difficulty level & nature of questions.
- Comprehensive analysis of previous year questions papers.

## INNOVATIVE ASSESSMENT SYSTEM:

Static & dynamic Potential of Mock test papers (Scoring Potential). Macro & Micro performance Analysis of aspirants, Section wise analysis, Difficulty Analysis, All India Rank, comparison with toppers, Geographical Analysis, Integrated Score Card, Analysis of Mock Test paper based on difficulty level & nature of question etc.

**HOW IT WORKS:** The tests are planned at Five different levels of preparation required for a student to succeed in CSIR NET/JRF.

**1. Unit level- Test 1 to 24:** Each test will be based entirely on the most unit sources of that particular section. Here we will test whether you have thoroughly prepared these unit sources or not and if you have understood all the basic concepts or not. These tests will be available on Chem Academy Portal right from your date of enrolment, you can give these test anytime as per your convenience. These papers are developed in order to boost your foundation and effective preparation of every particular unit mentioned in CSIR NET/JRF Syllabus. These are three hour tests each containing 60 questions based on CSIR NET Syllabus. These are just practice papers.

**2. Applied level (Minor, Major) – Test 25 to 32 & 33 to 37:** In this level, we will test your subject knowledge at an applied level. Test would be more analytical in nature, application oriented with relevance to recent concepts. These tests would not be restricted to few particular sources and it would cover the entire primary, Secondary and other sources. These tests are of 3 hours, each containing as expected 100 questions pertaining to Chemistry subject.

**3. Comprehensive level ( Part and Full test) -Test 38 to 40 AND 41 TO 45:** These are Full Length Test (FLT) covering all the levels of difficulty and all the types of questions similar to the CSIR NET paper. These tests will validate that your preparation is complete and you have achieved that extra edge to succeed in CSIR NET/JRF. Part test will again comprise of 100 questions each. In Part Tests number of topics (from each Physical, Inorganic and Organic Chemistry) are more compared to Major tests and eventually in Full tests you will have 120 questions, 20 questions from General Aptitude.

## DISCLAIMER

- **Chem academy material is for the individual only. In case a student is found involved in any violation of copyrights of Chem academy material, the admission to the test series will be cancelled.**
- **We have facility of fee payment in cash too.**
- **Fee once paid is non-refundable and non-transferable in all circumstances**
- **Chem academy reserves all rights related to admission.**
- **Chem academy reserves all rights to make any changes in test series schedule/ test writing days and timing etc., if need so arises.**

### UNITWISE SYLLABUS- CONTENT & REFERENCES

Units	Topics	Syllabus covered (The list is indicative to help students; however, it is not exhaustive. A topic may have more subtopics)	Primary (Essential) Reference	Secondary (Additional) Reference
1	Solvent theory	Concepts of acids and bases, Hard-Soft acid base concept, Non-aqueous solvents.	Class notes, Chem Academy NET ( DLP Kit)	Hueeykeiter, MiesslerTarr
2	Atomic and Spectroscopy	Term symbols; many-electron systems and antisymmetry principle.	Class notes, Chem Academy NET ( DLP Kit)	Peter Atkins, Engel & Reid,
3	Introduction to Organic Chemistry	IUPAC nomenclature of organic molecules including regio- and stereoisomers.	11 <sup>th</sup> NCERT, Classnotes, Chem Academy NET ( DLP Kit)	Paula Bruice, Carey Sandberg, Jerry March
4	Basic principles of quantum mechanics	Postulates; operator algebra; exactly-solvable systems: particle-in-a-box, harmonic oscillator and the hydrogen atom, including shapes of atomic orbitals; orbital and spin angular momenta; tunneling	Classnotes, Chem Academy NET ( DLP Kit)	David J Griffith, Eugen Merzbacher, Peter Atkins, Tamas Veszpremi
5	Principle of Stereochemistry	Configurational and conformational isomerism in acyclic and cyclic compounds; stereogenicity, stereoselectivity, enantioselectivity, diastereoselectivity and asymmetric induction.	Class notes, Chem Academy NET ( DLP Kit)	Subratosen Gupta, P S Kalsi, Jonathanclayden, Ernest Eliel
6	Chemical bonding	Structure and bonding in homo- and heteronuclear molecules, including shapes of molecules (VSEPR Theory).	11 <sup>th</sup> NCERT, class notes Chem Academy NET ( DLP Kit)	HueeyKieter, Shriver Atkins, MiesslerTarr E. Housecraft
7	Approximate methods of quantum mechanics	Variational principle; perturbation theory up to second order in energy; applications.	Class notes Chem Academy NET ( DLP Kit), K L Kapoor	Castellen, Charles Mortimer, Puri Sharma Pathania, Donald Macquarrie
8	Solid state	Crystal structures; Bragg's law and applications; band structure of solids.	12 <sup>th</sup> NCERT, Class notes, Chem Academy NET ( DLP Kit ), K L Kapoor	Hueey, Castellen, Charles Mortimer, A.R West
9	Reaction mechanism	Organic reaction mechanisms involving addition, elimination and substitution reactions with	12 <sup>th</sup> NCERT Class notes, Chem Academy	Jonathan clayden, , Carey Sandberg,

		electrophilic, nucleophilic or radical species. Determination of reaction pathways	NET ( DLP Kit )	George Zweifel
10	Chemical thermodynamics	Laws, state and path functions and their applications; thermodynamic description of various types of processes; Maxwell's relations; spontaneity and equilibria; temperature and pressure dependence of thermodynamic quantities; Le Chatelier principle; elementary description of phase transitions; phase equilibria and phase rule; thermodynamics of ideal and non-ideal gases, and solutions	11 <sup>th</sup> NCERT, Class notes, Chem Academy NET ( DLP Kit) K L Kapoor,	R.E Sonntag, Peter Atkin, Castellen, Charles Mortimer, Ira Lavine, J Bevan ott, R.M Rosenberg
11	Chemical bonding in diatomics	elementary concepts of MO and VB theories; Huckel theory for conjugated $\pi$ -electron systems.	Class notes, Chem Academy NET ( DLP Kit)	K L Kapoor, Puri Sharma Pathania, <b>McQuarrie Donald A</b>
12	Periodic properties of elements	Periodic classification of elements and periodicity in properties; general methods of isolation and purification of elements	11 <sup>th</sup> NCERT, Class notes, Chem Academy NET ( DLP Kit)	Shriver Atkins, Cathrine E Housecraft, MiesslerTarr, Hueeykieter
13	Chemical applications of group theory	Symmetry elements, point groups, character tables, selection rules.	Class notes, Chem Academy NET ( DLP Kit)	Swarnlakshmi, Asok K Mukherjee, Robert L. Carter
14	Organic reactive intermediates	Generation, stability and reactivity of carbocations, carbanions, free radicals, carbenes, benzynes and nitrenes.	Class notes, Chem Academy NET (DLP Kit) I L Finar Solomanfryle	Peter sykes Paula bruice, Jonathan clayden, Jerry March, George Zwiefel, Ernest Eiel, M.A Singh
15	Main group elements and their Compounds	Allotropy, synthesis, structure and bonding, industrial importance of the compounds.	11 <sup>th</sup> , 12 <sup>th</sup> NCERT, Classnotes, Chem academy NET ( DLP Kit)	HueeyKieter, Shriver Atkins, Greenwood, Cotton & Wilkinson, MiesslerTarr, Ajay Kumar
16	Statistical thermodynamics	Boltzmann distribution; kinetic theory of gases; partition functions and their relation to thermodynamic quantities – calculations for model systems	Classnotes, Chem academy NET ( DLP Kit)	Terrell L hill, Ashley H carter, Herbert Callen, Andrew Maczek

17	Organic transformations and reagents	Functional group interconversion including oxidations and reductions; common catalysts and reagents (organic, inorganic, organometallic and enzymatic). Chemo, regio and stereoselective transformations.	Class notes, Chem academy NET ( DLP Kit)	Jerry March, Paula bruice, Carey Sandberg, Carruthers Jonathan clayden, George Zweifel
18	Inner transition elements	Spectral and magnetic properties, redox chemistry, analytical applications	12 <sup>th</sup> NCERT, Chem academy NET ( DLP Kit)	Ajay kumar, E.Housecraft, Greenwood, Cotton & Wilkinson, ShriverAtkin, Simon Cotton
19	Colloids and surfaces	Stability and properties of colloids; isotherms and surface area; heterogeneous catalysis	Classnotes, Chem academy NET ( DLP Kit)	Paul C Hiemenz, Duncan J shaw, Pashley Richard, K S birdi
20	Polymer chemistry	Molar masses, kinetics of polymerization	Classnotes, Chem academy NET ( DLP Kit)	Charles E charraher, ARavve, George Odian, Fred W Billmeyer, John Nicholson
21	Nuclear chemistry	Nuclear reactions, fission and fusion, radio-analytical techniques and activation analysis.	Class notes, Chem academy NET ( DLP Kit)	Asim K Das vol 1, PuriSharma pathania
22	Aromaticity	Benzenoid and non-benzenoid compounds – generation and reactions.	Class notes, Chem academy ( DLP Kit)	J. Clayden, Jerry March, David R Waring, G. Badger
23	Common named reactions and rearrangements	applications in organic synthesis	12 <sup>th</sup> NCERT, Class notes, Chem academy NET ( DLP Kit), I.LFinar	George Zweifel, Ernest Eliel, Carey Sandberg,Paulab ruice, Jonathan clayden,
24	Concepts in organic synthesis	Retrosynthesis, disconnection, synthons, linear and convergent synthesis, umpolung of reactivity and protecting groups.	Class notes, Chem academy NET ( DLP Kit)	George Zweifel, Carey Sandberg, stuart Warren, Michael B Smith
25	Electrochemistry	Nernst equation, redox systems, electrochemical cells; Debye-Huckel theory; electrolytic conductance – Kohlrausch's law and its applications; ionic equilibria; conductometric and potentiometric titrations.	12 <sup>th</sup> NCERT, Class notes, Chem Academy NET ( DLP Kit), K L Kapoor	Engel & Reid, Castellen, Charles Mortimer, Ira Levine, Bard and Faulkner

26	Pericyclic reactions	Electrocyclisation, cycloaddition, sigmatropic rearrangements and other related concerted reactions. Principles and applications of photochemical reactions in organic chemistry.	class notes, Chem Academy NET (DLP Kit), Paulabruice, D K Mandal	Jonathan Clayden, C. Sandberg, Jerry March, G. Zweifel, Ian Fleming
27	Transition elements and Coordination complexes	Structure, bonding theories, spectral and magnetic properties, reaction mechanisms.	12 <sup>th</sup> NCERT, Class notes, Chem academy NET (DLP Kit)	HueeyKieter, shriveratkins, MiesslerTarr, Catherine E. Housecraft, G. Lawrence. Greenwood, Cotton wilkinson
28	Asymmetric synthesis	Chiral auxiliaries, methods of asymmetric induction – substrate, reagent and catalyst controlled reactions; determination of enantiomeric and diastereomeric excess; enantio-discrimination. Resolution – optical and kinetic.	Class notes, Chem academy NET (DLP Kit)	Jonathan Clayden, C. Sandberg, Jerry March, George Zweifel, Carrutherus, R.E Gawley
29	Heterocyclic chemistry	Synthesis and reactivity of common heterocyclic compounds containing one or two heteroatoms (O, N, S).	Class notes, Chem academy NET (DLP Kit), S P Bhutani	Jonathan clayden, John Joule and Keith Mills, Beena Negi and R.K Parashar, A.R Katritzky
30	Bio inorganic Chemistry	Photosystems, porphyrins, metalloenzymes, oxygen transport, electron-transfer reactions; nitrogen fixation, metal complexes in medicine.	Class notes, Chem academy NET (DLP Kit)	HueeyKieter, Asim K Das, Stephen J. Lippard, J D Lee, M.R Malone
31	Chemical kinetics	Empirical rate laws and temperature dependence; complex reactions; steady state approximation; determination of reaction mechanisms; collision and transition state theories of rate constants; unimolecular reactions; enzyme kinetics; salt effects; homogeneous catalysis; photochemical reactions.	12 <sup>th</sup> NCERT, class notes, Chem academy NET (DLP Kit), K L Kapoor	Castellen, Charles Mortimer, Peter Atkins, Ira Levine, Laidler, Engel & Reid, Paul houston
32	Qualitative Organic Analysis	Structure determination of organic compounds by IR, UV-Vis, <sup>1</sup> H & <sup>13</sup> C NMR and Mass spectroscopic techniques	Class notes, Chem academy NET (DLP Kit) Y R Sharma, JDS Yadav	William Kemp, J. Clayden, Pavia- Lampman-kriz, Silversteen.
33	Inorganic	Characterisation of inorganic	Chem academy	E. Housecraft,

	Spectroscopy	compounds by IR, Raman, NMR, EPR, Mössbauer, UV-vis, NQR, MS, electron spectroscopy and microscopic techniques.	Booklet and class notes	J Yarwood S B Duckett, Gary J Long
34	Data analysis	Mean and standard deviation; absolute and relative errors; linear regression; covariance and correlation coefficient.	Chem. Academy Aptitude booklet	
35	Chemistry of natural products	Carbohydrates, proteins and peptides, fatty acids, nucleic acids, terpenes, steroids and alkaloids. Biogenesis of terpenoids and alkaloids	Class notes, Chem academyNET (DLP Kit), Paula Bruce, S P Bhutani	Jonathan Clayden, Sujata V bhat, Yang Ye, N.R Krishnaswamy
36	Analytical chemistry	Separation, spectroscopic, electro- and thermoanalytical methods.	Class notes, Chem academy NET (DLP Kit)	F.W. Fifield, Jessica Carol
37	Cage and Cluster	Carboranes, metalloboranes	Classnotes, Chem academy NET (DLP Kit)	Darlmcdaniel-Alexander-Douglas, Crabtree, Elias and gupta
38	Molecular Spectroscopy	Rotational and vibrational spectra of diatomic molecules; electronic spectra; IR and Raman activities – selection rules; basic principles of magnetic resonance.	Class notes & Chem academy (DLP Kit), Puri-Sharma-Pathania, K L Kapoor	Banwell, Levine, Peter Atkin, Charles Mortimer, J.L Mchall
39	Organometallic	Synthesis, bonding and structure, and reactivity. Organometallics in homogeneous catalysis.	Class notes & Chem academy (DLP Kit)	Hueykeiter, Shriver Atkins, Greenwood, Housecraft, J. Hartwig, Crabtree, Elias and Gupta, Asim K Das

### UNITWISE TEST TOPIC SCHEDULE

Test No.	Unit	Topic Covered	Uploading Date
1 (Part - 1)	Chemical applications of group theory	Symmetry elements, point groups, character tables, selection rules.	15 Feb. 2020
1 (Part - 2)	Polymer chemistry	Molar masses, kinetics of polymerization	15 Feb. 2020
2 (Part - 1)	Inner transition elements	Spectral and magnetic properties, redox chemistry, analytical applications	18 Feb. 2020
2 (Part - 2)	Bio inorganic Chemistry	Photosystems, porphyrins, metalloenzymes, oxygen transport, electron-transfer reactions; nitrogen fixation, metal complexes in medicine	18 Feb. 2020
3	Principle of Stereochemistry	Configurational and conformational isomerism in acyclic and cyclic compounds; stereogenicity, stereoselectivity, enantioselectivity, diastereoselectivity and asymmetric induction.	21 Feb. 2020
4 (Part - 1)	Solid state	Crystal structures; Bragg's law and applications; band structure of solids.	24 Feb. 2020
4 (Part - 2)	Nuclear chemistry	Nuclear reactions, fission and fusion, radio-analytical techniques and activation analysis.	24 Feb. 2020
5	Introduction to Organic Chemistry and Aromaticity	IUPAC nomenclature of organic molecules including regio- and stereoisomers. Benzenoid and non-benzenoid compounds – generation and reactions.	27 Feb. 2020
6	Common named reactions and rearrangements	applications in organic synthesis	01 March 2020
7 (Part - 1)	Electrochemistry	Nernst equation, redox systems, electrochemical cells; potentiometric titrations.	04 March 2020
7 (Part - 2)	Conductance	Debye-Huckel theory; electrolytic conductance – Kohlrausch's law and its applications; ionic equilibria; conductometric titrations.	04 March 2020
8 (Part - 1)	Chemical bonding	Structure and bonding in homo- and heteronuclear molecules, including shapes of molecules (VSEPR Theory).	07 March 2020
8 (Part - 2)	Periodic properties of elements	Periodic classification of elements and periodicity in properties; general methods of isolation and purification of elements	07 March 2020
9	Basic principles of quantum mechanics	Postulates; operator algebra; exactly-solvable systems: particle-in-a-box, harmonic oscillator and the hydrogen atom, including shapes of atomic orbitals; orbital and spin angular momenta; tunnelling	09 March 2020
10	Reaction mechanism	Organic reaction mechanisms involving addition, elimination and substitution	13 March 2020



		reactions with electrophilic, nucleophilic or radical species. Determination of reaction pathways	
11	Approximate methods of quantum mechanics; Chemical bonding in diatomics	Variational principle; perturbation theory up to second order in energy; applications.; Elementary concepts of MO and VB theories; Huckel theory for conjugated $\pi$ -electron systems	16 March 2020
12 (Part - 1)	Organic Spectroscopy	Structure determination of organic compounds by IR, UV-Vis, $^1\text{H}$ & $^{13}\text{C}$ NMR and Mass spectroscopic techniques	19 March 2020
12 (Part - 2)	Inorganic Spectroscopy	Characterisation of inorganic compounds by IR, Raman, NMR, EPR, Mössbauer, UV-vis, NQR, MS, electron spectroscopy and microscopic techniques.	19 March 2020
13	Organometallic and Cage and Cluster	Synthesis, bonding and structure, and reactivity. Organometallics in homogeneous catalysis. Carboranes, metalloboranes	22 March 2020
14	Chemistry of natural products; Hetrocyclic	Carbohydrates, proteins and peptides, fatty acids, nucleic acids, terpenes, steroids and alkaloids. Biogenesis of terpenoids and alkaloids	25 March 2020
15	Organic transformations and reagents	Functional group interconversion including oxidations and reductions; common catalysts and reagents (organic, inorganic, organometallic and enzymatic). Chemo, regio and stereoselective transformations.	28 March 2020
16	Atomic and Molecular Spectroscopy	Term symbols; many-electron systems and antisymmetry principle. Rotational and vibrational spectra of diatomic molecules; electronic spectra; IR and Raman activities – selection rules; basic principles of magnetic resonance.	31 March 2020
17	Chemical kinetics & Photochemistry	Empirical rate laws and temperature dependence; complex reactions; steady state approximation; determination of reaction mechanisms; collision and transition state theories of rate constants; unimolecular reactions; enzyme kinetics; salt effects; homogeneous catalysis; photochemical reactions.	03 April 2020
18	Main group elements and their Compounds; Solvent theory	Allotropy, synthesis, structure and bonding, industrial importance of the compounds. Concepts of acids and bases, Hard-Soft acid base concept, Non-aqueous solvents	06 April 2020
19	Pericyclic reactions & Photochemistry	Electrocyclisation, cycloaddition, sigmatropic rearrangements and other related concerted reactions. Principles and	09 April 2020

		applications of photochemical reactions in organic chemistry.	
20	Transition elements and Coordination complexes	Structure, bonding theories, spectral and magnetic properties, reaction mechanisms.	12 April 2020
21	Chemical thermodynamics and Statistical thermodynamics	Laws, state and path functions and their applications; thermodynamic description of various types of processes; Maxwell's relations; spontaneity and equilibria; temperature and pressure dependence of thermodynamic quantities; Le Chatelier principle; elementary description of phase transitions; phase equilibria and phase rule; thermodynamics of ideal and non-ideal gases, and solutions. Boltzmann distribution; kinetic theory of gases; partition functions and their relation to thermodynamic quantities – calculations for model systems	15 April 2020
22	Organic reactive intermediates	Generation, stability and reactivity of carbocations, carbanions, free radicals, carbenes, benzyne and nitrenes.	18 April 2020
23	Concepts in organic synthesis; Asymmetric synthesis	Retrosynthesis, disconnection, synthons, linear and convergent synthesis, umpolung of reactivity and protecting groups.	21 April 2020
24	Data analysis; Analytical chemistry; Surface & Colloids	Mean and standard deviation; absolute and relative errors; linear regression; covariance and correlation coefficient. Separation, spectroscopic, electro- and thermoanalytical methods. Physisorption and chemisorption. Langmuir, Freundlich and BET isotherms. Surface catalysis: Langmuir-Hinshelwood mechanism. Surface tension, viscosity. Self-assembly. Physical chemistry of colloids, micelles and macromolecules.	24 April 2020

### MINOR TESTS SCHEDULE

Test No.	Topic	Uploading Date
1	Chemical applications of group theory; Polymer chemistry; Inner transition elements; Bio inorganic Chemistry; Principle of Stereochemistry	21 Feb. 2020
2	Solid state; Surface & Colloids; Nuclear chemistry; Introduction to Organic Chemistry; Aromaticity; Common named reactions and rearrangements	01 March 2020
3	Electrochemistry and Conductance; Chemical bonding; Periodic properties of elements; Basic principles of quantum mechanics	09 March 2020
4	Reaction mechanism; Approximate methods of quantum mechanics; Chemical bonding in diatomics; Qualitative Organic Analysis; Inorganic Spectroscopy	19 March 2020
5	Organometallic and Cage and Cluster; Chemistry of natural products; Hetrocyclic chemistry; Organic transformations and reagents	28 March 2020
6	Atomic and Molecular Spectroscopy; Main group elements and their Compounds; Solvent theory; Chemical kinetics & Photochemistry	06 April 2020
7	Pericyclic reactions & Photochemistry; Transition elements and Coordination complexes; Chemical thermodynamics; Statistical thermodynamics	15 April 2020
8	Organic reactive intermediates; Concepts in organic synthesis; Asymmetric synthesis; Data analysis; Analytical chemistry	24 April 2020

### MAJOR TESTS SCHEDULE

Test No.	Topic	Uploading Date
1	Chemical applications of group theory; Polymer chemistry; Inner transition elements; Bio inorganic Chemistry; Principle of Stereochemistry; Solid state; Nuclear chemistry; Introduction to Organic Chemistry and Aromaticity	28 April 2020
2	Common named reactions and rearrangements; Electrochemistry; Conductance; Chemical bonding; Periodic properties of elements; Basic principles of quantum mechanics; Reaction mechanism	02 May 2020
3	Approximate methods of quantum mechanics; Chemical bonding in diatomics; Organic Spectroscopy; Inorganic Spectroscopy; Organometallic and Cage and Cluster; Chemistry of natural products; Hetrocyclic; Organic transformations and reagents	06 May 2020
4	Atomic and Molecular Spectroscopy; Chemical kinetics & Photochemistry; Main group elements and their Compounds; Solvent theory; Pericyclic reactions & Photochemistry; Transition elements and Coordination complexes	10 May 2020
5	Chemical thermodynamics and Statistical thermodynamics; Surface & Colloids; Organic reactive intermediates; Concepts in organic synthesis; Asymmetric synthesis; Data analysis; Analytical chemistry	14 May 2020

### PART TESTS SCHEDULE

Test No.	Topic	Uploading Date
1	Chemical applications of group theory; Polymer chemistry; Inner transition elements; Bio inorganic Chemistry; Principle of Stereochemistry; Solid state; Nuclear chemistry; Introduction to Organic Chemistry and Aromaticity; Common named reactions and rearrangements; Electrochemistry; Conductance; Chemical bonding; Periodic properties of elements	18 May 2020
2	Basic principles of quantum mechanics; Reaction mechanism; Approximate methods of quantum mechanics; Chemical bonding in diatomics; Organic Spectroscopy; Inorganic Spectroscopy; Organometallic and Cage and Cluster; Chemistry of natural products; Hetrocyclic; Organic transformations and reagents; Atomic and Molecular Spectroscopy	22 May 2020
3	Chemical kinetics & Photochemistry; Surface & Colloids; Main group elements and their Compounds; Solvent theory; Pericyclic reactions & Photochemistry; Transition elements and Coordination complexes; Chemical thermodynamics and Statistical thermodynamics; Organic reactive intermediates; Concepts in organic synthesis; Asymmetric synthesis; Data analysis; Analytical chemistry	26 May 2020

### FULL TESTS SCHEDULE

Test No.	Topic	Uploading Date
1	Full Syllabus of CSIR NET	30 May 2020
2	Full Syllabus of CSIR NET	03 June 2020
3	Full Syllabus of CSIR NET	07 June 2020
4	Full Syllabus of CSIR NET	11 June 2020
5	Full Syllabus of CSIR NET	15 June 2020