



Announces

RANK BOOSTER COURSE (RBC)

6 WEEKS COMPACT COURSE

Target: JEE (Advanced) 2021

From 16th August 2021 to 25th September 2021



IMPORTANT GUIDELINES

The course will be carried out making use of three different platforms but in complete sync with each other through the in-house app of Resonance launched in 2020

“RESOSIR- aapke ghar”:

1. **Resosir-** an exclusive app by Resonance itself – providing the following features accessible by students registered in RBC.
 - A. All your study material, the worksheets, dpps and regular updates/ information will be available here.
 - B. You will be able to ask your doubts also to the dedicated faculty team through this platform only.
 - C. Open a worksheet/ dpp when online, then you can go through them in offline mode also, but can't be downloaded so don't waste time trying that.
 - D. You can access the same things on its website also <https://resosir.com/> if facing a problem in studying too much on mobile.

Go to this link to understand how to use the app Resosir, also explained later in these guidelines
<https://youtu.be/kr6Zvo55PcY>

2. **Zoom-** all your discussion classes will be taken in a preplanned way on zoom, the login id and password will be shared with you on **Resosir** before the classes so no need to worry and get tense about it. Also we know that due to internet connectivity at your end, some interruptions might occur in live classes, so no need to worry as recording of each live class will be made available to you on Resosir app after a while as lecture gets over.
3. <https://www.onlinereso.in/> this will be your testing platform, for the full syllabus test every Sunday as per the schedule. The test window still remains open for you to give the test at any later times if unable to give at the scheduled time, so that you don't lose an opportunity to practice the test, an important aspect for any competitive exam preparations.

Resonance Eduventures Ltd.

Registered & Corporate Office : CG Tower, A-46 & 52, IPIA, Near City Mall,
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To Know more : sms RESO at 56677 | Website : www.resonance.ac.in | E-mail : contact@resonance.ac.in | CIN : U80302RJ2007PLC024029

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Course Planning

* Student is required to solve unit-wise worksheets no. (A1, A2, B1, B2 and so on) which will be discussed in Live (Online only) classes scheduled on Tuesday, Thursday & Saturday as per the schedule given below from **08:00 AM to 1:00 PM (wef 16th Aug.)** on ZOOM. The ID & password will be shared through SMS as well as on ResoSIR. So keep checking **“General Information”** in ResoSIR.

* Weekly timetable will also be provided through SMS.

DATE	PHYSICS	CHEM	MATHS
Monday, 16 August, 2021	Worksheet & DPPs will be made available on ResoSIR		
Tuesday, 17 August, 2021	WSA1 live discussion	WSA1 live discussion	
Wednesday, 18 August, 2021			
Thursday, 19 August, 2021	WSA2 live discussion		WSA1 live discussion
Friday, 20 August, 2021			
Saturday, 21 August, 2021		WSA2 live discussion	WSA2 live discussion
Sunday, 22 August, 2021	SUNDAY FULL SYLLABUS TEST (MAIN PATTERN)		
Monday, 23 August, 2021	WSB1 live discussion	WSB1 live discussion	
Tuesday, 24 August, 2021		WSB2 live discussion	WSB1 live discussion
Wednesday, 25 August, 2021			
JEE (MAIN) EXAM BREAK (26th Aug. to 02 Sep.)			
Saturday, 4 September, 2021	WSB2 live discussion		WSB2 live discussion
Sunday, 5 September, 2021	SUNDAY FULL SYLLABUS TEST (ADVANCED PATTERN)		
Monday, 6 September, 2021			
Tuesday, 7 September, 2021	WSC1 live discussion	WSC1 live discussion	
Wednesday, 8 September, 2021			
Thursday, 9 September, 2021		WSC2 live discussion	WSC1 live discussion
Friday, 10 September, 2021			
Saturday, 11 September, 2021	WSC2 live discussion		WSC2 live discussion
Sunday, 12 September, 2021	SUNDAY FULL SYLLABUS TEST (MAIN PATTERN)		

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Monday, 13 September, 2021			
Tuesday, 14 September, 2021	WSD1 live discussion	WSD1 live discussion	
Wednesday, 15 September, 2021			
Thursday, 16 September, 2021		WSD2 live discussion	WSD1 live discussion
Friday, 17 September, 2021			
Saturday, 18 September, 2021	WSD2 live discussion		WSD2 live discussion
Sunday, 19 September, 2021	SUNDAY FULL SYLLABUS TEST (ADVANCED PATTERN)		
Monday, 20 September, 2021			
Tuesday, 21 September, 2021	WSE1 live discussion	WSE1 live discussion	
Wednesday, 22 September, 2021			
Thursday, 23 September, 2021		WSE2 live discussion	WSE1 live discussion
Friday, 24 September, 2021			
Saturday, 25 September, 2021	WSE2 live discussion		WSE2 live discussion
Sunday, 26 September, 2021	SUNDAY FULL SYLLABUS TEST (ADVANCED PATTERN)		
Monday, 27 September, 2021	Buffer	Buffer	WSF1 live discussion
Tuesday, 28 September, 2021	Buffer	Buffer	WSF2 live discussion
JEE ADVANCED 2021 (03-Oct-2021)			

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UNIT-WISE & SUBJECT-WISE BREAKUP

SUBJECT : PHYSICS

Unit 1 :

Unit and Dimensions, Kinematics, Newton's Laws of Motion, Friction, WPE, Circular Motion, Centre of Mass, Rigid Body Dynamics, SHM, Error Analysis

WSA1 - first half of unit 1

WSA2 - next half of unit 1 and so on

Unit 2 :

Surface Tension, Viscosity, Fluid Mechanics, Properties of matter, String Waves and Sound Waves, KTG, heat and thermodynamics, Calorimetry & Thermal Expansion, Heat Transfer.

WSB1 - first half of unit 2

WSB2 - next half of unit 2 and so on

Unit 3 :

Electrostatics, Gravitation, Current Electricity, Capacitor

WSC1 - first half of unit 3

WSC2 - next half of unit 3 and so on

Unit 4 :

Magnetic field and force, Electromagnetic Induction, Alternating Current

WSD1 - first half of unit 4

WSD2 - next half of unit 4 and so on

Unit 5 :

Geometrical Optics, Wave Optics, Modern Physics-1 & Modern Physics-2, Semiconductors, EMW, Principle of Communication.

WSE1 - first half of unit 5

WSE2 - next half of unit 5 and so on

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SUBJECT : CHEMISTRY

➤ **CHEMISTRY UNITS (for Work Sheet):**

Unit 1: PHYSICAL & INORGANIC CHEMISTRY (XI)

Mole Concept & Equivalent Concept, Atomic Structure, Gaseous State, Chemical Equilibrium, Ionic Equilibrium, Thermodynamic & Thermochemistry, Periodic Table, Chemical Bonding.

WSA1 - first half of unit 1

WSA2 - next half of unit 1 and so on

Unit 2 : ORGANIC CHEMISTRY (XI)

IUPAC Nomenclature, Structural Isomerism and POC, GOC-I & GOC-II, Reaction Mechanism-I (Nucleophilic addition and SN2Th), Reaction Mechanism-III (SN1, SN2 in RX, ROH, ROR)

WSB1 - first half of unit 1

WSB2 - next half of unit 1 and so on

Unit 3: PHYSICAL & INORGANIC CHEMISTRY (XII)

Solution & Colligative Properties, Solid State, Electrochemistry. Chemical Kinetics, Surface Chemistry, Coordination Compounds.

WSC1 - first half of unit 1

WSC2 - next half of unit 1 and so on

Unit 4

Reaction Mechanism-IV (Elimination reactions, E1, E2, E1CB), Redox and Hydrolysis, Phenol, Aniline, Carbonyl Compound and Carboxylic acid, Biomolecule, Polymer & Chemistry in a everyday life.

WSD1 - first half of unit 1

WSD2 - next half of unit 1 and so on

Unit 5: INORGANIC CHEMISTRY (XI & XII)

s-Block Elements, p-Block Elements (13 to 18 groups), d & f-block elements, Metallurgy, Qualitative Analysis.






WSE1 - first half of unit 1

WSE2 - next half of unit 1 and so on

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SUBJECT : Mathematics

➤ **Mathematics UNITS (for Work Sheet):**

Unit 1:

Fundamental of mathematics, Quadratic Equation, Sequence and Series, Trigonometry

WSA1 - first half of unit 1

WSA2 - next half of unit 1 and so on

Unit 2

Sets and Relation, Binomial Theorem, Permutation and Combination, Probability,

WSB1 - first half of unit 1

WSB2 - next half of unit 1 and so on

Unit 3

Straight Line, Circle, Conic Section (Parabola, Ellipse, Hyperbola), Statistics, Mathematical Reasoning, Solution of Triangle

WSC1 - first half of unit 1

WSC2 - next half of unit 1 and so on

Unit 4

Limit, Continuity and Derivability, Application of Derivatives, Method of Differential, Function Inverse Trigonometric, Function

WSD1 - first half of unit 1

WSD2 - next half of unit 1 and so on

Unit 5

Indefinite Integration, Definite Integration, Differential equation, Matrices and Determinant

WSE1 - first half of unit 1

WSE2 - next half of unit 1 and so on

Unit 6

Vector and 3D, Complex Number

WSF1 - first half of unit 1

WSF2 - next half of unit 1 and so on

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