

Syllabus for Final Test Series (FTS) for JEE-Main-2020

For Target JEE & OYJ-Batches (from 8th December-2019 to 06th-January-2020) :
JEE-Main- Pattern (Total 10 Tests = 750 questions for offline, + 10 Tests = 750 questions for Online) Timing of the Test 02:00 - 05:00 pm*

Test No.	Date	Day	Test Name	Syllabus: Physics	Syllabus : Chemistry	Syllabus: Mathematics
1	08/12/2019	Sunday	Offline - Part Test-1	Units and Measurement; Kinematics; Laws of Motion; Work, Energy and Power	Some Basic Concepts of Chemistry, Structure of Atom, Classification of Elements and Periodicity in Properties, Chemical Bonding and Molecular Structure	Elementary Trigonometric Functions, Transformation Formulae; Trigonometric Equations; Properties of Triangle; Sets**, Relations and Functions (XI Class Syllabus); Quadratic Equation.
2	10/12/2019	Tuesday	Online -Part Test-1	Units and Measurement; Kinematics; Laws of Motion; Work, Energy and Power	Some Basic Concepts of Chemistry, Structure of Atom, Classification of Elements and Periodicity in Properties, Chemical Bonding and Molecular Structure	Elementary Trigonometric Functions, Transformation Formulae; Trigonometric Equations; Properties of Triangle; Sets**, Relations and Functions (XI Class Syllabus); Quadratic Equation.
3	15/12/2019	Sunday	Offline -Part Test-2	Conservation of Linear Momentum and Centre of Mass, Rigid Body Rotation, Gravitation, Properties of Bulk Matter	States of Matter: Gases and Liquids, Thermodynamics, Equilibrium, Redox Reactions, Volumetric Analysis	Complex Numbers, Permutations and Combinations, Binomial Theorem, Mathematical Induction, Probability (Part-I based on Permutation & Combination taught in class XI), Sequence and Series, Statistics.
4	17/12/2019	Tuesday	Online -Part Test-2	Conservation of Linear Momentum and Centre of Mass, Rigid Body Rotation, Gravitation, Properties of Bulk Matter	States of Matter: Gases and Liquids, Thermodynamics, Equilibrium, Redox Reactions, Volumetric Analysis	Complex Numbers, Permutations and Combinations, Binomial Theorem, Mathematical Induction, Probability (Part-I based on Permutation & Combination taught in class XI), Sequence and Series, Statistics.
5	22/12/2019	Sunday	Offline - Part Test-3	Oscillations, Waves, Kinetic Theory of Gases, Thermodynamics,Thermal Properties of Matter.	p-Block Elements (Group 13-18), Hydrogen, s- Block Elements, Ores, Minerals and Extractive Metallurgy	Straight Lines, Circle, Conic Sections, Analytical Geometry– 3-Dimensional Geometry (XI Class Syllabus), Limits and Derivatives (XI Class Syllabus), Linear Inequality and Mathematical Reasoning
6	24/12/2019	Tuesday	Online -Part Test-3	Oscillations, Waves, Kinetic Theory of Gases, Thermodynamics,Thermal Properties of Matter.	p-Block Elements (Group 13-18), Hydrogen, s- Block Elements, Ores, Minerals and Extractive Metallurgy	Straight Lines, Circle, Conic Sections, Analytical Geometry– 3-Dimensional Geometry (XI Class Syllabus), Limits and Derivatives (XI Class Syllabus), Linear Inequality and Mathematical Reasoning

7	26/12/2019	Thursday	Offline - Part Test-4	Electrostatics, Current Electricity.	Solid State, Solution, Electrochemistry, Chemical Kinetics and Nuclear Chemistry, Surface Chemistry	Relations and Functions, Inverse Trigonometric Functions, Matrices and Determinants, Limit, Continuity and Differentiability (XII Class Syllabus).
8	26/12/2019	Thursday	Online Part Test-4	Electrostatics, Current Electricity.	Solid State, Solution, Electrochemistry, Chemical Kinetics and Nuclear Chemistry, Surface Chemistry	Relations and Functions, Inverse Trigonometric Functions, Matrices and Determinants, Limit, Continuity and Differentiability (XII Class Syllabus).
9	28/12/2019	Saturday	Offline - Part Test-5	Moving Charges and Magnetism, Magnetism and Matter, Electromagnetic Induction and Alternating Current, Electromagnetic Waves	d & f-Block Elements, Coordination Compounds and Organometallics, Principles of Qualitative Analysis, Organic Chemistry- (Some Basic Principles and Techniques), Hydrocarbons	Applications of Derivatives, Indefinite Integrals, Definite Integrals and their Applications, Differential Equations.
10	28/12/2019	Saturday	Online Part Test-5	Moving Charges and Magnetism, Magnetism and Matter, Electromagnetic Induction and Alternating Current, Electromagnetic Waves	d & f-Block Elements, Coordination Compounds and Organometallics, Principles of Qualitative Analysis, Organic Chemistry- (Some Basic Principles and Techniques), Hydrocarbons	Applications of Derivatives, Indefinite Integrals, Definite Integrals and their Applications, Differential Equations.
11	30/12/2019	Monday	Offline - Part Test-6	Optics, Modern Physics, Electronic Devices (Solids and semiconductors), Principles of Communication Systems	Stereochemistry, Alkyl Halides & Aryl Halides, Oxygen Containing Functional Group – I, Oxygen Containing Functional Group – II, Organic Compounds Containing Nitrogen, Functional Group - III, Polymers & Biomolecules	Vectors, Analytical Geometry - Three Dimensional Geometry, Probability (XII class syllabus)
12	30/12/2019	Monday	Online Part Test-6	Optics, Modern Physics, Electronic Devices (Solids and semiconductors), Principles of Communication Systems	Stereochemistry, Alkyl Halides & Aryl Halides, Oxygen Containing Functional Group – I, Oxygen Containing Functional Group – II, Organic Compounds Containing Nitrogen, Functional Group - III, Polymers & Biomolecules	Vectors, Analytical Geometry - Three Dimensional Geometry, Probability (XII class syllabus)
13	01/01/2020	Wednesday	Offline - Mock Test-1	Full Syllabus		
14	01/01/2020	Wednesday	Online Mock Test-1	Full Syllabus		
15	03/01/2020	Friday	Offline - Mock Test-2	Full Syllabus		
16	03/01/2020	Friday	Online Mock Test-2	Full Syllabus		
17	05/01/2020	Sunday	Offline - Mock Test-3	Full Syllabus		
18	05/01/2020	Sunday	Online Mock Test-3	Full Syllabus		
19	07/01/2020	Tuesday	Offline - Mock Test-4	Full Syllabus		
20	07/01/2020	Tuesday	Online Mock Test-4	Full Syllabus		
JEE Main online Exam (All the Best!!!)						

Note: -

1. A total 20 tests will be provided. Syllabus of 20 Test (10 online and 10 offline of Same syllabus) is given.
2. Timing of test and class can be changed in case of unavailability of classroom, which will be intimated well in time.
3. It is compulsory to clear all your dues before appearing for final phase of preparation. Anybody who has not cleared their dues will not be allowed to attend the test. (You may contact to account office to know about your status)
4. It is mandatory to submit the photocopy of admit cards of examination where you are suppose to appear this year.
5. You all are advised to be regular during the revision and final schedule. You have enough time for self study after the test also.
6. We have planned a very rigorous routine for all our students which will not be available for out siders so make sure its best use.
7. During these time you may contact to Director Mr. D.K.Mishra at any time between 10:00 am to 6:00 pm at 9045062321
8. Remember that the last minutes preparation matters a lot and can bring phenomenal change in your results.
9. For all the aspirants who have opted for JEE Mains Online are advised to write their test on online mode from anywhere, you are required to log in at www.aviralonline.com first to reach at desired portal, login id and password will be shared to you soon. Tests will be available at the portal for 24 hrs on respective dates, but it is advisable to write it at the same time as allotted by JEE board.
10. Separate test schedule will be provided for BITS-AT & JEE-ADV.
11. All Tests are available in both the languages (English and Hindi)
12. Test No. 8,10,12,14,16,18 & 20 will be available online on same day as offline test, but these test will be available for 24 hrs and given to get more exposure by the students.
13. All online & offline test will have different Test papers (Even of same syllabus). so students are advised to appear for both the test.