



# VISWASAI IIT-JEE

NELLORE & TIRUPATHI

MPC ONLINE CLASSES SCHEDULE FROM 09-04-2020

S.NO	DATE	DAY	MATHS IIA (Quadratic Expressions)	MATHS IIB (Indefinite Integration)	PHYSICS (Magnetism & Matter)	CHEMISTRY (Solutions)	EXAMS
1	09-04-2020	Thursday	Concept of Quadratic Expressions	Indefinite Integration : Basic concept of Integration, Definitions, Formulae and few related examples, Properties of Integrals	Introduction and Magnetic moment	Introduction	
2	10-04-2020	Friday	Concept of Roots, Nature of Roots	Different model problems on basic formulae	Magnetic moment - Applications	Types of Solutions	
3	11-04-2020	Saturday	Problems on above concepts	Methods of Integration 1) Substitution methods Some model problems on substitution methods	Coloumb's Inverse square law - Applications	Methods of expressing concentration	
4	12-04-2020	Sunday	Problems on above concepts	Different Model problems on substitution methods	Applications of Coloumb's Inverse square law	Methods of expressing concentration	
5	13-04-2020	Monday	Problems on above concepts	Some more standard integrals	Calculation of resultant force in various cases	Methods of expressing concentration	
6	14-04-2020	Tuesday	Problems on above concepts	JEE Main problems on the above topics	Types of magnetic fields and Magnetic field lines - Properties	Methods of expressing concentration	
7	15-04-2020	Wednesday	Concept of common roots	JEE Main problems on the above topics	Magnetic inductin field and Calculation of resultant	Solubility	
8	16-04-2020	Thursday	Concept of change in signs	Integration byparts concept, few model questions on integration type	Magnetic field due to Bar magnetic - along axial and equitorial line	Henry's Law	
9	17-04-2020	Friday	Concept of Maxima and Minima	Jee Main problems on Integration byparts	Calculations of resultant magnetic field due to combinations of magnets	Roult's Law	S1 JEE MAIN (3h)
10	18-04-2020	Saturday	Problems on above concepts	Jee Main problems on Integration byparts	Solenoid is equivalent to bar magnet	Roult's Law	

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11	19-04-2020	Sunday	Problems on above concepts	Evaluation of Integration of $\sin^{-1}x dx, \cos^{-1}x dx$ etc.	Magnetic field - Null points (or) Neutral points	Ideal & Non ideal solutions	
12	20-04-2020	Monday	Problems on above concepts	Integration by using partial fractions with examples	Torque acting on a bar magnet and PE stored in	Colligative properties	
13	21-04-2020	Tuesday	Concept of Quadratic Inequations	Model problems by using partial fractions	Applications of torque on dipole in field & dipole -	RLVP	
14	22-04-2020	Wednesday	Problems on Quadratic Inequations	Special methods in integration with examples	Time period of magnet in uniform magnetic field	Elevation of boiling point	
15	23-04-2020	Thursday	Mixed problems	Special methods in integration with examples	Applications of dipole oscillations	Elevation of boiling point	S2 JEE MAIN (3h)
16	24-04-2020	Friday	Mixed problems	Special methods in integration with examples	Gauss's law in magnetism	Depression of Freezing point	
<b><i>Schedule to be continued...</i></b>							
<b><i>Subjectwise Lecturers : Maths IIA - Sri Ramachary, Maths IIB - Sri Penchalrao, Physics : Dr. Siva Shankar, Chemistry : Dr. Krishna Reddy</i></b>							