

# SRIGAYATRI EDUCATIONAL INSTITUTIONS

INDIA

## INCOMING JR MPC TEACHING SCHEDULE 2020-21

DAY	DATE	MATHS-IA	MATHS-IB	PHYSICS	CHEMISTRY
1	06-07-2020 (Monday)	Trigonometric Ratios and Identities Introduction	<b>Co-ordinate System:</b> Introduction	<b>MOTION IN A STRAIGHT LINE:</b> Introduction, rest and motion, distance, displacement	<b>Atomic structure introduction</b>
2	07-07-2020 (Tuesday)	Basic Formulae ( $90 - \theta$ , $90 + \theta$ .....etc)	Ex 0.1	Speed, Velocity, Average velocity, Average speed & Applications	Discovery of fundamental particles and properties
3	08-07-2020 (Wednesday)	Practice Problems on Formulae	division formula, midpoint, points of trisection ,harmonic conjugate introduction	Instantaneous velocity & Instantaneous speed, Acceleration (Uniform & Non-uniform) <b>Objective:</b> L-I CW:- 3,6	specific charge of particles apart from fundamental particles <b>Level-1:</b> 1 to 23
4	09-07-2020 (Thursday)	Practice Problems on Formulae	Ex 0.2	<b>Objective:</b> L-I, CW:- 2,4,5,7,9 L-I, HW:- 56,62 Use the reference of National Digital Library	Models of an atom J.J thomson, gold leaf alpha ray expt. Rutherford's model
5	10-07-2020 (Friday)	Ex: 6.1 VSAQ: 1 to 9	centroid, orthocentre, circumcentre introduction and based problems in Ex0.3	<b>Objective:</b> L-I, CW:- 6,11,18 L-I, HW:- 65, L-II, HW:- 28,33,46 PCQ: JEE:- 3 Use the reference of National Digital Library	Defects of Rutherford models and teachers own questions as activity
	11-07-2020 (Saturday)	<b>COUNSELLING CLASSES</b>			
	12-07-2020	<b>SUNDAY</b>			
6	13-07-2020 (Monday)	VSAQ'S: 10, 11, SAQ: 1 to 4	incentre and excentres introduction and based examples	S-t, V-t, a-t, v-h graphs and its applications <b>Objective:</b> L-I CW:- 48,54	Electromagnetic radiation and measurable characteristics of it.
7	14-07-2020 (Tuesday)	SAQ: 5 to 10	EX 0.3	Kinematic equations for uniform accelerated motion <b>Objective:</b> L-I CW:- 13,16,20	Problems on EMR <b>Level-1:</b> 24 to 28
8	15-07-2020 (Wednesday)	SAQ: 11 to 15	Area of triangle, Quadrilateral Introduction Ex.0.4	<b>Objective:</b> L-I CW:- 12,22,24,25,27 L-I, HW:- 69,70, L-II HW:- 60,63 Use the reference of National Digital Library	Max planck's Quantum theory, Black body radiation
9	16-07-2020 (Thursday)	SAQ: 16 to 20	OBJECTIVE	Freely falling body and its Applications Relative Velocity in 1D <b>Objective:</b> L-I CW:- 15,17,19	Photoelectric effect

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10	17-07-2020 (Friday)	OBJECTIVE	OBJECTIVE	<b>Objective:</b> L-I CW:- 31,35,40,44 L-II HW:- 31,54 NUMERICALS:- 1,3,13 Use the reference of National Digital Library	Problems on photoelectric effect <b>Level-1:</b> 29 to 32
	18-07-2020 (Saturday)	<b>COUNSELLING CLASSES / PREPARATION</b>			
	19-07-2020	<b>WT-01-JEE MAINS MODEL EXAM :: SYLLABUS: 06-07-2020 TO 17-07-2020</b> <b>PS: HYD-HB</b>			
11	20-07-2020 (Monday)	OBJECTIVE	LOCUS INTRODUCTION AND EX1:SAQ 1 TO 5	Vertical projection of a body from the ground	Bohr's model of an atom, hydrogen spectrum
12	21-07-2020 (Tuesday)	OBJECTIVE	SAQ: 6,7,8	Applications of Vertical projection <b>Objective:</b> L-I CW:- 75,77,82	Merits and demerits of Bohr's model
13	22-07-2020 (Wednesday)	Compound Angles Introduction	SAQ: 9,10,11 AND EXAMPLES	Vertical projection from the top of a tower	Energy of electron in Bohr's orbit and radius of the orbits
14	23-07-2020 (Thursday)	Compound Angles Introduction	OBJECTIVE	<b>Objective:</b> L-I CW:- 46,47 L-I HW:- 79,83,88, L-II CW:-12,26 L-II HW:- 52 Use the reference of National Digital Library	Problems on Energy, Radius, of Hydrogen and hydrogen like species.
15	24-07-2020 (Friday)	Ex: 6.2. VSAQ: ALL	OBJECTIVE	<b>Objective:</b> L-II CW:- 13 NUMERICALS : 10,11,12 PCQ's EAMCET:- 6,21, Use the reference of National Digital Library	<b>Level-1:</b> 33 to 59
	25-07-2020 (Saturday)	<b>COUNSELLING CLASSES/ PREPARATION</b>			
	26-07-2020	<b>WT-02-JEE MAINS MODEL EXAM :: SYLLABUS: 13-07-2020 TO 24-07-2020</b> <b>PS: HYD-CN</b>			
16	27-07-2020 (Monday)	SAQ: 1 to 5	TRANSLATION OF axis introduction, Ex2.1: SAQ: 1,2,3,4	<b>Motion in a Plane :</b> <b>VECTORS :</b> Scalar, vector, representation of vector, Types of vectors - Null vector, Unit vector, position vector, etc.	Dual nature of electron. De-Broglie wave equation explanation $mvr = nh/2$
17	28-07-2020 (Tuesday)	SAQ: 6 to 10	Ex2.1: SAQ: 5,6 AND EXAMPLES	Additions and subtraction of vectors and Applications <b>Objective:</b> L-I CW:- 1,15,16	Problems on de Broglie
18	29-07-2020 (Wednesday)	SAQ: 11 to 13, Ex: 6.2.8	ROTATION OF AXES INTRODUCTION	Resolution of vectors and its Applications & <b>Objective:</b> L-I CW:- 11,27,28	Heisenberg's uncertainty principle and its significance
19	30-07-2020 (Thursday)	All Examples before Ex: 6.2	EX2.2:1,2,3,4,5	Triangle law of vectors, polygon law of vectors and its Applications	Problems on Heisenberg's uncertainty Principle

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20	31-07-2020 (Friday)	All Examples before Ex: 6.2	OBJECTIVE	<b>Objective:</b> L-I HW:- 2,14,15 L-II CW:- 10,13,23, L-II HW:- 15,16,17 Use the reference of National Digital Library	<b>Level-1:</b> 60 to 76
	01-08-2020 (Saturday)	<b>COUNSELLING CLASSES/ PREPARATION</b>			
	02-08-2020	<b>WT-03-JEE MAINS MODEL EXAM :: SYLLABUS: 20-07-2020 TO 31-07-2020</b> <b>PS: HYD-DSNRB</b>			
	03-08-2020 (Monday)	<b>RAKSHA BANDHAN</b>			
21	04-08-2020 (Tuesday)	OBJECTIVE	OBJECTIVE	Parallelogram law of vectors	Quantum Numbers in detail
22	05-08-2020 (Wednesday)	OBJECTIVE	straight lines introduction EX 3.1 VSAQ 1 to 5	Applications of Parallelogram law of vectors <b>Objective:</b> L-I CW:-3,5,7,8	Quantum Numbers in detail
23	06-08-2020 (Thursday)	OBJECTIVE	EX 3.1 VSAQ: 6 to 10	<b>Objective:</b> L-I HW:- 3,7,11, L-II CW:-5,12 L-II HW:-5,10, PCQ's JEE:- 6 EAMCET:- 13 Use the reference of National Digital Library	Applications on Quantum Numbers <b>Level-1:</b> 81 to 100
24	07-08-2020 (Friday)	OBJECTIVE	EX 3.1 SAQ 1,2 and based examples	Relative velocity 2D <b>Objective:</b> L-I CW:-17,22 L-I HW:-20,26	Rules for writing electronic configuration <b>Level-1:</b> 101 to 130
	08-08-2020 (Saturday)	<b>COUNSELLING CLASSES/ PREPARATION</b>			
	09-08-2020	<b>WT-04-JEE MAINS MODEL EXAM :: SYLLABUS: 27-07-2020 TO 07-08-2020</b> <b>PS: HYD-NG</b>			
25	10-08-2020 (Monday)	Multiple and Sub-Multiple Angles Introduction	EX 3.1 based examples	River-boat and its Applications	Schrodinger wave equation and its importance
26	11-08-2020 (Tuesday)	Multiple and Sub-Multiple Angles Introduction	Different forms of straight lines introduction Ex3.2 VSAQ: 1 to 5	Closest distance of approach related problems <b>Objective:</b> L-I CW:- 23,25,26 L-I HW:- 28,29,33	Significance of $\psi$ and $\psi^2$
27	12-08-2020 (Wednesday)	Ex: 6.3, VSAQ: 1 to 5	objective	<b>Objective:</b> L-II CW:-19,20 L-II HW:- 36,37,38,39 NUMERICALS:-3,4,8 Use the reference of National Digital Library	Radial probability distribution curves and how to interpret the graph
28	13-08-2020 (Thursday)	VSAQ: 6 to 10	Ex3.2 VSAQ 6 to 10 and based examples	Rain umbrella and its Applications	<b>PCQ's (JEE MAINS):</b> 9, 11, 14,

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29	14-08-2020 (Friday)	SAQ: 1 to 5	Ex3.2 SAQ: 1 ,2,3,4	<b>Objective:</b> L-I CW:-19, L-I HW:- 21,27 L-II CW:-17,18, L-II HW:-23,27,31,34 Use the reference of National Digital Library	Electronic configuration of various elements and exceptional configurations.
	15-08-2020 (Saturday)	<b>INDEPENDENCE DAY</b>			
	16-08-2020	<b>WT-05-JEE MAINS MODEL EXAM :: SYLLABUS: 04-08-2020 TO 14-08-2020</b> <b>PS: CO ICC</b>			
30	17-08-2020 (Monday)	SAQ: 6 to 10	Ex3.2 SAQ: 5,6,7,8	<b>Oblique projectile motion :</b> Equation of Oblique projectile motion, time of flight, maximum height	Exchange energy concept to explain the stability of electronic configuration
31	18-08-2020 (Tuesday)	SAQ: 11 to 15	based examples/objective	Range and its Applications	Magnetic moment of various atoms and ions
32	19-08-2020 (Wednesday)	Example: 6.3.8 to 6.3.12	OBJECTIVE	<b>Objective:</b> L-I CW:- 1,4,8,10,16 L-I HW:-2,4,8,11,12 Use the reference of National Digital Library	Electronic configuration of various ions
33	20-08-2020 (Thursday)	Example: 6.3.13 to 6.3.17	introduction about Ex:3.3	<b>Objective:</b> L-II CW:- 4,6,7,8,15,20,24 L-II HW:- 2,5,6 Use the reference of National Digital Library	<b>Objective</b> <b>Level-2:</b> 1, 2, 8, 9, 12, 13, 16, 23, 27, 29, 31, 32
34	21-08-2020 (Friday)	OBJECTIVE	Ex3.3 VSAQ 1 to 5	Horizontal projectile & its parameters	<b>Objective</b> <b>Level-2 :</b> 34, 35, 36, 37, 40, 41, 43, 47, 49, 52, 56, 58, 61, 64, 65, 70
	22-08-2020 (Saturday)	<b>GANESH CHATURTHI</b>			
	23-08-2020	<b>WT-06-JEE MAINS MODEL EXAM :: SYLLABUS: 10-08-2020 TO 21-08-2020</b> <b>PS: HYD-CHT</b>			
35	24-08-2020 (Monday)	OBJECTIVE	Ex3.3 SAQ 1 to 5	Applications & <b>Objective:</b> L-I CW:- 23,24,25,28,32 L-I HW:- 15,17,19,20 Use the reference of National Digital Library	<b>Objective</b> Integer Numerical type questions : 1 to 20
36	25-08-2020 (Tuesday)	OBJECTIVE	Ex3.3 SAQ 6 to 10	<b>Objective:</b> L-II CW:-29,30,31,35 L-II HW:-7,13,16 NUMERICAL:- 3,7 Use the reference of National Digital Library	<b>JEE MAINS (PREVIOUS QUESTIONS):</b> 1 to 8, 12, 13, 15, 16, 17, 18, 19, 20.
37	26-08-2020 (Wednesday)	OBJECTIVE	Ex3.3 SAQ 11 to 15	<b>CIRCULAR MOTION:</b> Angular displacement, angular velocity, relation between them, angular acceleration	<b>JEE MAINS (PREVIOUS QUESTIONS):</b> 22 to 35.

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38	27-08-2020 (Thursday)	Transformations Introduction	based examples/objective	Equation of circular motion	<b>EAMCET (PREVIOUS QUESTIONS):</b> 1, 2, 3, 4, 7, 8, 12, 15, 20, 21, 22, 23, 29, 32, 35, 38, 42, 43, 45, 49, 50, 53, 56, 57.
39	28-08-2020 (Friday)	Ex: 6.4 VSAQ: 1 to 10	OBJECTIVE	uniform and non uniform circulation motion	Revision
	29-08-2020 (Saturday)	<b>COUNSELLING CLASSES/ PREPARATION</b>			
	30-08-2020	<b>WT-07-JEE MAINS MODEL EXAM :: SYLLABUS: 17-08-2020 TO 28-08-2020 PS: HYD-KKP</b>			
40	31-08-2020 (Monday)	SAQ: 1 to 5	Objective	<b>Objective</b> Use the reference of National Digital Library	Revision

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