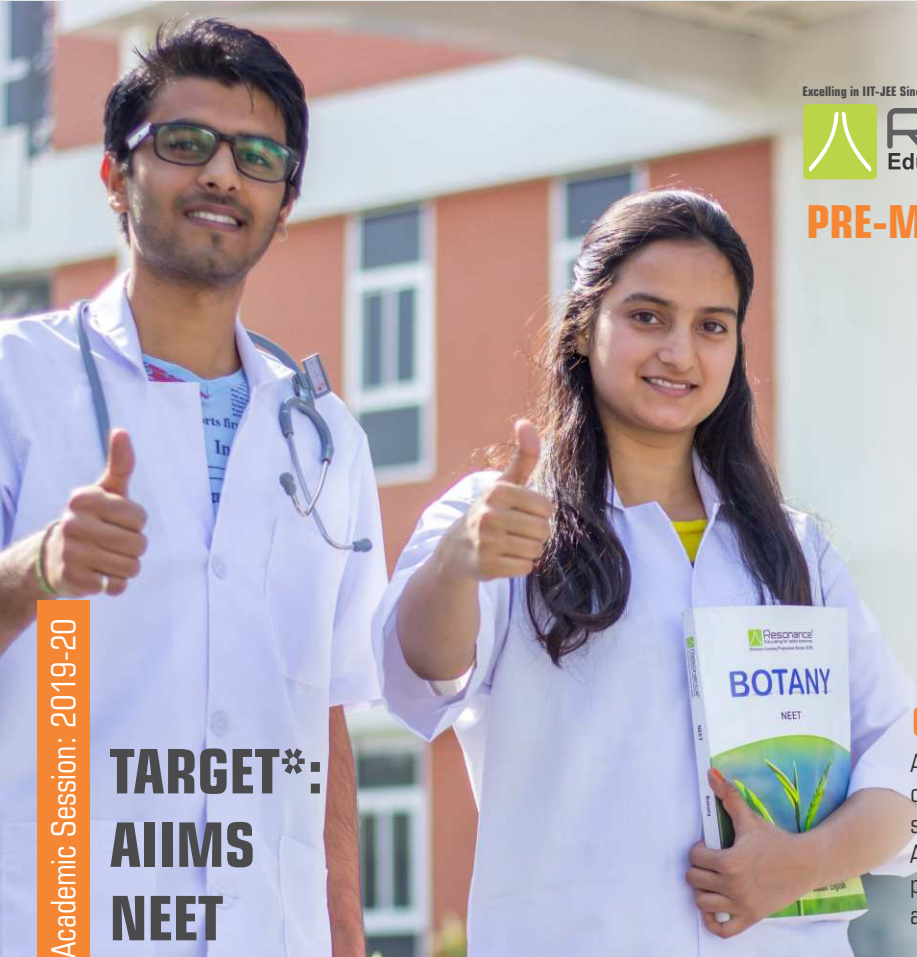




Academic Session: 2019-20

**TARGET*:
AIIMS
NEET**

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COURSE PLANNER FOR STUDENTS CLASS-XII SAMBHAV (MF)

Target: AIIMS/NEET 2020

Medium: English | Hindi

COURSE CONCEPT

A Course which offers ample time of 1 year to become an expert in the curriculum of AIIMS/NEET. The course progresses with basic fundamental study; covering upon the syllabus of boards alongwith the preparation for AIIMS/NEET. The course helps in development of concepts, rigorous practice for board exams, as well as competitive exams, enhancement of analytical thinking and increasing the confidence level of aspirant.

Course Commencement: 27.05.2019 | Course Ends: 18.01.2020

RESONANCE TEACHING METHODOLOGY

Preparation for AIIMS/ NEET

Classroom Teaching

Daily Practice Problems (DPPs)

Study Material (Sheets/Modules)

Periodic Tests - AIIMS/ NEET Pattern

Doubt Classes

Preparation for Board Exam

Classroom Teaching & NCERT
Book Discussion

Study Material (Sheets/Modules)

Doubt Classes

TOTAL ACADEMIC HOURS

- ♦ **Course Duration: 34 Weeks**
- ♦ **Total Number of Lectures: 572** (P:192 | C:186 | B:194)
- ♦ **Duration of one lecture: 1.5 hrs = 90 minutes**
- ♦ **Total Duration of Classroom Teaching: 858 hrs**
- ♦ **Total Duration of Testing Hours: 92 hrs**
- ♦ **Total Academic Hours in SAMBHAV Course: 950 hrs**

TEACHING/LEARNING TOOLS

- ♦ **Daily Practice Problems (DPPs):** A handout having problems for home assignment, practice and classroom discussion covering current and previous topics. A DPP for AIIMS/NEET contains approximate 8-10 problems.
- ♦ **Study Material (Sheets/Modules):** Topic wise study material having key concepts, problems for practice in various Exercise Levels and questions asked in previous years (AIIMS/ NEET/ Board).
- ♦ **Periodic Tests:** Periodic Tests are conducted having part syllabus (Part Tests - PTs) with many problems of seen nature and Tests comprising of the syllabus taught till date (Cumulative Tests - CTs) with unseen problems. Both PTs and CTs are conducted on the pattern of AIIMS/NEET.

Disclaimer:

- ♦ The Institute reserves the right to increase/decrease the number of lectures/tests allotted to any topic and also make changes in the sequence of the topics/tests of each subject depending upon the course requirements.
- ♦ This Course Planner in all respects is applicable only at Kota (Rajasthan). At other Resonance Study Centres, Students/Parents may find some 'minor' variations to accommodate City specific features/factors.
- ♦ The Topic Start Date mentioned here might vary for batches starting on different dates of the particular course. However the coverage of the content in any topic shall remain the same, it is done by altering the frequency of proposed/planned lectures in a particular week.
- ♦ The information given in this Course Planner is proposed for Academic Session 2019-20. The institute reserves the right to make changes in it in the interest of students.

Holidays/Vacations (Total: 11-Days): 1. Independence Day: 15th August, 2019 : One Day 2. Deepawali Holidays: From 24th October, 2019 (Thursday) to 02nd November, 2019 (Wednesday): 09 Days
3. Republic Day: 26th January, 2020: One Day (Applicable only at Kota SC and at other SC's Deepawali vacation will be informed to students as per respective SC holiday calendar)

SUBJECT WISE SYLLABUS PLAN

- ♦ Topic Name
- ♦ Topic Sequence

- ♦ Topic Commencement
- ♦ No. of Lectures allotted to each Topic

PHYSICS [P]				CHEMISTRY [C]				BIOLOGY [B]			
S. No.	Topic Name/Sequence	No of Lectures	Topic Start Date	S. No.	Topic Name/Sequence	No of Lectures	Topic Start Date	S. No.	Topic Name/Sequence	No of Lectures	Topic Start Date
1	GEOMETRICAL OPTICS	20	27-05-19	PHYSICAL/INORGANIC				BOTANY			
2	MATHEMATICAL TOOLS	5	19-06-19	1	SOLID STATE	7	27-05-19	1	REPRODUCTION IN FLOWERING PLANTS	9	27-05-19
3	RECTILINEAR MOTION	6	25-06-19	2	MOLE CONCEPT	6	06-06-19	2	GENETICS	18	17-06-19
4	PROJECTILE MOTION	3	02-07-19	3	SOLUTION & COLLIGATIVE PROPERTIES	8	18-06-19	3	APPLICATION BIOLOGY	3	29-07-19
5	RELATIVE MOTION	3	05-07-19	4	COORDINATION COMPOUNDS	10	02-07-19	4	ECOLOGY	21	05-08-19
6	NLM	8	09-07-19	5	CHEMICAL EQUILIBRIUM	7	18-07-19	5	PLANT PHYSIOLOGY II	13	23-09-19
7	FRICTION	2	18-07-19	6	ELECTROCHEMISTRY	11	31-07-19	6	PLANT MORPHOLOGY	9	04-11-19
8	CIRCULAR MOTION	6	20-07-19	7	METALLURGY	6	21-08-19	7	PLANT ANATOMY	6	25-11-19
9	COM	6	27-07-19	8	CHEMICAL KINETICS	10	02-09-19	8	LIVING WORLD	1	09-12-19
10	RBD	7	03-08-19	9	P-BLOCK (N & O FAMILY)	7	18-09-19	9	BIOLOGICAL CLASSIFICATION	4	10-12-19
11	SHM	5	12-08-19	10	SURFACE CHEMISTRY	6	01-10-19	10	PLANT KINGDOM	6	18-12-19
12	ELECTROSTATICS	20	19-08-19	11	P-BLOCK (HALOGEN & NOBLE GASES)	5	10-10-19	11	CELL BIOLOGY	4	24-12-19
13	GRAVITATION	3	11-09-19	12	D & F-BLOCK	5	21-10-19	12	PLANT PHYSIOLOGY I	4	13-01-20
14	CURRENT ELECTRICITY	7	14-09-19	13	GASEOUS STATE	7	11-11-19	ZOOLOGY			
15	CAPACITOR	7	23-09-19	14	THERMODYNAMICS	11	21-11-19	1	REPRODUCTION IN ORGANISMS	2	27-05-19
16	EMF	9	01-10-19	15	IONIC EQUILIBRIUM	10	11-12-19	2	HUMAN REPRODUCTION	8	29-05-19
17	EMI	7	11-10-19	16	P-BLOCK (B & C FAMILY)	4	30-12-19	3	REPRODUCTIVE HEALTH	3	18-06-19
18	AC	5	19-10-19	17	S-BLOCK	2	06-01-19	4	EVOLUTION	9	25-06-19
19	STRING WAVE	6	06-11-19	18	EQUIVALENT CONCEPT & REDOX REACTION	4	08-01-19	5	BIOLOGY IN HUMAN WELFARE (HUMAN HEALTH AND DISEASE)	11	16-07-19
20	SOUND WAVE	6	13-11-19	19	QUALITATIVE ANALYSIS	2	15-01-19	6	BIOLOGY IN HUMAN WELFARE (ANIMAL HUSBANDRY)	3	12-08-19
21	WAVE OPTICS	6	20-11-19	ORGANIC				7	BIOLOGY IN HUMAN WELFARE (MICROBES IN HUMAN WELFARE)	2	19-08-19
22	EMW	1	27-11-19	20	STRUCTURAL ISOMERISM	1	27-05-19	8	BIOTECHNOLOGY (PRINCIPLES AND PROCESSES)	3	26-08-19
23	POC	2	28-11-19	21	STEREISOMERS	9	28-05-19	9	BIOTECHNOLOGY (APPLICATIONS OF BIOTECHNOLOGY)	3	02-09-19
24	FM	3	30-11-19	22	GOC (ELECTRONIC EFFECT)	6	01-07-19	10	BIOMOLECULES	6	09-09-19
25	SURFACE TENSION	3	04-12-19	23	APPLICATION OF ELECTRONIC EFFECTS	8	22-07-19	11	EXCRETORY PRODUCTS & THEIR ELIMINATION	5	23-09-19
26	ELASTICITY	2	07-12-19	24	REACTION MECHANISM OF ALKYL/ARYL HALIDE	6	19-08-19	12	LOCOMOTION AND MOVEMENT	4	02-10-19
27	VISCOCITY	1	10-12-19	25	REACTION MECHANISM OF ALCOHOL ETHER	2	09-09-19	13	NEURAL CONTROL & COORDINATION	7	14-10-19
28	KTG THERMO	6	11-12-19	26	CHEMICAL REACTION OF HYDROCARBON (ALKANE/ ALKENE/ALKYNE)	6	16-09-19	14	CHEMICAL COORDINATION & INTEGRATION	4	11-11-19
29	CALORIMETRY & THERMAL EXPANSION	3	18-12-19	27	AROMATIC HYDROCARBON	3	07-10-19	15	ANIMAL KINGDOM - INCLUDING PROTOZOA	6	20-11-19
30	HEAT TRANSFER	3	21-12-19	28	PHENOL	4	15-10-19	16	STRUCTURAL ORGANISATION IN ANIMALS	4	03-12-19
31	MP	8	25-12-19	29	AROMATIC COMPOUND (ANILINE, NITROBENZENE)	2	11-11-19	17	BREATHING & EXCHANGE OF GASES	4	11-12-19
32	NP	7	03-01-20	30	CARBONYL COMPOUND & CARBOXYLIC ACID AND DERIVATIVES	7	18-11-19	18	DIGESTION & ABSORPTION	6	23-12-19
33	SEMI-CONDUCTOR	6	11-01-20	31	CHEMISTRY IN EVERYDAY LIFE	1	10-12-19	19	BODY FLUIDS & CIRCULATION	6	06-01-20
Total No. of Lectures		192		Total No. of Lectures		186		Total No. of Lectures		194	

WEEKLY LECTURE PLANNER (Per Subject)

Week No.	Week Duration		No. of Lecture						Total
	From	To	P	C		BIOLOGY			
				P/I	O	Bot	Zoo		
W-1	27/05	01/06	6	4	2	3	3	18	
W-2	03/06	08/06	6	4	2	3	3	18	
W-3	10/06	15/06	6	4	2	3	3	18	
W-4	17/06	22/06	6	4	2	3	3	18	
W-5	24/06	29/06	6	4	2	3	3	18	
W-6	01/07	06/07	6	4	2	3	3	18	
W-7	08/07	13/07	6	4	2	3	3	18	
W-8	15/07	20/07	6	4	2	3	3	18	
W-9	22/07	27/07	6	4	2	3	3	18	
W-10	29/07	03/08	6	4	2	3	3	18	
W-11	05/08	10/08	6	4	2	3	3	18	
W-12	12/08	17/08	5	3	2	3	2	15	

Week No.	Week Duration		No. of Lecture						Total
	From	To	P	C		BIOLOGY			
				P/I	O	Bot	Zoo		
W-13	19/08	24/08	6	4	2	3	3	18	
W-14	26/08	31/08	6	4	2	3	3	18	
W-15	02/09	07/09	6	4	2	3	3	18	
W-16	09/09	14/09	6	4	2	3	3	18	
W-17	16/09	21/09	6	4	2	3	3	18	
W-18	23/09	28/09	6	4	2	3	3	18	
W-19	30/09	05/10	6	4	2	3	3	18	
W-20	07/10	12/10	6	4	2	3	3	18	
W-21	14/10	19/10	6	4	2	3	3	18	
W-22	21/10	26/10	2	1	1	1	1	6	
W-23	28/10	02/11	Deepwali Vacations						
W-24	04/11	09/11	6	4	2	3	3	18	

Week No.	Week Duration		No. of Lecture						Total
	From	To	P	C		BIOLOGY			
				P/I	O	Bot	Zoo		
W-25	11/11	16/11	6	4	2	3	3	18	
W-26	18/11	23/11	6	4	2	3	3	18	
W-27	25/11	30/11	6	4	2	3	3	18	
W-28	02/12	07/12	6	4	2	3	3	18	
W-29	09/12	14/12	6	4	2	3	3	18	
W-30	16/12	21/12	6	4	2	3	3	18	
W-31	23/12	28/12	6	4	1	3	3	17	
W-32	30/12	04/01	6	4	0	3	3	16	
W-33	06/01	11/01	6	4	0	3	3	16	
W-34	13/01	18/01	5	4	0	4	3	16	

PERIODIC TEST SCHEDULE & RESULT COMMUNICATION

S. No.			Periodic Test Type and No.	Test Pattern	Periodic Test Date	First Display (Notice Board) & Communication to parent with Centre Rank	Display & Communication of Final Result with All Resonance Rank (ARR)	Uploading of Result on Resonance Website	Periodic Test Syllabus				Testing Hours		
									Physics	Chemistry		Biology			
										Physical/ Inorganic	Organic	Botany		Zoology	
1	PT-1	NEET	23-06-19 (Sunday)						Geometrical optics	Solid State, Mole concept & Solution Colligative properties (upto vapour pressure)	Structural Isomerism & Stereoisomers	Reproduction in Flowering plants	Reproduction in Organisms, Human Reproduction	3	
2	CT-1	NEET	14-07-19 (Sunday)						Mathematical tools, Rectilinear Motion, Projectile motion, Relative motion	Solid State, Mole concept, Solution colligative properties & coordination compounds (Upto Geometrical Isomerism)	Structural Isomerism, Stereoisomers & GOC (Electronic effect)	Reproduction in Flowering plants + Genetics	Reproduction in organisms, Human reproduction, Reproductive health	3	
3	PT-2	AIIMS + BPT-1	04-08-19 (Sunday)						NLM, Friction, Circular motion, COM	Coordination compounds, Chemical Equilibrium & Electrochemistry (Upto electrochemical series)	GOC (Electronic effect) & Application of electronic effects	Genetics	Reproductive health, Evolution	3.5 + 3	
4	CT-2	NEET	25-08-19 (Sunday)						Mathematical tools, Rectilinear motion, Projectile motion, Relative motion, NLM, Friction, Circular motion, COM, RBD, SHM	Coordination compounds, Chemical Equilibrium , Electrochemistry & Metallurgy (Upto extraction of Fe & copper)	Structural Isomerism, Stereoisomers, GOC (Electronic effect) & Application of electronic effects	Reproduction in Flowering plants + Genetics + Application Biology + Ecology	Reproduction in organisms, Human reproduction, Reproductive health, Evolution, Human health and disease	3	
5	PT-3	NEET	15-09-19 (Sunday)						Electrostatics	Metallurgy & Chemical kinetics (Upto radioactivity)	Application of electronic effects & Reaction Mechanism of Alkyl / Aryl halide	Ecology upto Environmental Issues	Human health and disease, Biology in human welfare, Biotechnology	3	
6	CT-3	AIIMS + BPT-2	06-10-19 (Sunday)						Mathematical tools, Rectilinear motion, Projectile motion, Relative motion, NLM, Friction, Circular motion, COM, RBD, SHM, Electrostatics, Gravitation, Current electricity, Capacitor	Metallurgy & Chemical kinetics, P-Block (N & O family) & Surface chemistry (Upto colloidal solution)	Structural Isomerism, Stereoisomers, GOC (Electronic effect), Application of electronic effects, Reaction Mechanism of Alkyl / Aryl halide, Reaction Mechanism of Alcohol ether & Chemical reaction of Hydrocarbon (Alkane/Alkene/Alkyne)	Reproduction in Flowering plants + Genetics + Application Biology + Ecology + Plant Physiology II upto Respiration	XII full syllabus, Biomolecules, Excretory products and their elimination	3.5 + 3	
7	PT-4	NEET	20-10-19 (Sunday)						EMF, EMI	Surface chemistry & P-Block (Hélogen & Noble gases)	Reaction Mechanism of Alcohol ether, Chemical reaction of Hydrocarbon (Alkane/Allene/Alkyne) & Aromatic Hydrocarbon	Plant Physiology II	Biomolecules, Excretory products and their elimination, Locomotion and movement	3	
8	CT-4	NEET	10-11-19 (Sunday)						Mathematical tools, Rectilinear motion, Projectile motion, Relative motion, NLM, Friction, Circular motion, COM, RBD, SHM, Electrostatics, Gravitation, Current electricity, Capacitor, EMF, EMI, AC	Surface chemistry , P-Block (Hélogen, Noble gases) & d & f Block	CT-3 + Aromatic Hydrocarbon & Phenol	Reproduction in Flowering plants + Genetics + Application Biology + Ecology + Plant Physiology II + Plant Morphology upto ROOT	XII full syllabus, Biomolecules, Excretory products & their elimination, Locomotion & movements, Neural control and coordination	3	
9	PT-5	AIIMS + BPT-3	01-12-19 (Sunday)						String wave, Sound wave, Wave Optics, EMW, POC	Gaseous State & Thermodynamics (Upto entropy calculation)	Phenol, Aromatic compound (Aniline, Nitrobenzene) & Carbonyl Compound & Carboxylic acid and derivatives	Plant Morphology	Neural control and coordination, Chemical coordination & integration	3.5 + 3	
10	CT-5	NEET	22-12-19 (Sunday)						Mathematical tools, Rectilinear motion, Projectile motion, Relative motion, NLM, Friction, Circular motion, COM, RBD, SHM, Electrostatics, Gravitation, Current electricity, Capacitor, EMF, EMI, AC, String wave, Sound wave, Wave optics, EMW, POC, RM, Surface tension, Elasticity, Viscosity, KTG Thermo, Calorimetry & Thermal expansion	Gaseous State & Thermodynamics (Upto entropy calculation)	Phenol, Aromatic compound (Aniline, Nitrobenzene) & Carbonyl Compound & Carboxylic acid and derivatives	Plant Morphology	Neural control and coordination, Chemical coordination & integration	3.5 + 3	
11	MBPT-1	Physics	02-12-19 (MON)						XII Full Syllabus	XII Full Syllabus	XII Full Syllabus	XII Full Syllabus	XII Full Syllabus	XII Full Syllabus	3
12	MBPT-1	Chemistry	05-12-19 (THU)						XII Full Syllabus	XII Full Syllabus	XII Full Syllabus	XII Full Syllabus	XII Full Syllabus	XII Full Syllabus	3
13	MBPT-1	Biology	10-12-19 (TUE)						XII Full Syllabus	XII Full Syllabus	XII Full Syllabus	XII Full Syllabus	XII Full Syllabus	XII Full Syllabus	3
14	MBPT-2	Physics	06-01-20 (MON)						XII Full Syllabus	XII Full Syllabus	XII Full Syllabus	XII Full Syllabus	XII Full Syllabus	XII Full Syllabus	3
15	MBPT-2	Chemistry	09-01-20 (THU)						XII Full Syllabus	XII Full Syllabus	XII Full Syllabus	XII Full Syllabus	XII Full Syllabus	XII Full Syllabus	3
16	MBPT-2	Biology	11-01-20 (SAT)						XII Full Syllabus	XII Full Syllabus	XII Full Syllabus	XII Full Syllabus	XII Full Syllabus	XII Full Syllabus	3
17	MPT-1	NEET	12-01-20 (SUN)						XI Syllabus	XI Syllabus	XI Syllabus	XI Syllabus	XI Syllabus	XI Syllabus	3
18	MPT-2	NEET	19-01-20 (SUN)						XI Syllabus	XI Syllabus	XI Syllabus	XI Syllabus	XI Syllabus	XI Syllabus	3
19	AIoT-1	NEET	02-02-20 (SUN)						Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
20	AIoT-2	AIIMS	19-01-20 (SUN)						Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
21	FST-1	NEET	01-03-20 (SUN)						Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
22	FST-2	NEET	05-03-20 (THU)						Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
23	FST-3	AIIMS	16-02-20 (SUN)						Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
Total Testing Hours															92

Note: 1. Students are advised to refer their notice board for test timings. 2. Their will be no classes on the preceding saturday before every Pts/ Cts.

Note: 1. Students are advised to refer their notice board for test timings. 2. Their will be no classes on the preceding saturday before every PTs/ CTs.
3. Student can submit their request for re-evaluation in two working days after first display of result.

Discussion Schedule of Daily Practice Problems (DPPs):

S. No.	Week No.	DPP No.						No. of DPPs	S. No.	Week No.	DPP No.						No. of DPPs	S. No.	Week No.	DPP No.						No. of DPPs
		PHYSICS	CHEMISTRY		BIOLOGY		PHYSICS				CHEMISTRY		BIOLOGY		PHYSICS	CHEMISTRY				BIOLOGY						
			P/I	O	BOT	ZOO					P/I	O	BOT	ZOO		P/I				O	BOT	ZOO				
1	W-1	3	3	2	2	3	13	13	W-13	3	2	1	2	1	9	25	W-25	3	2	2	2	2	11			
2	W-2	3	3	2	2	2	12	14	W-14	3	3	1	2	2	11	26	W-26	3	2	2	2	4	13			
3	W-3	3	3	2	3	3	14	15	W-15	3	2	1	2	2	10	27	W-27	3	2	1	3	5	14			
4	W-4	3	2	2	2	3	12	16	W-16	3	2	3	1	5	14	28	W-28	3	3	1	3	7	17			
5	W-5	3	2	2	2	1	10	17	W-17	3	2	1	2	5	13	29	W-29	3	3	1	6	5	18			
6	W-6	3	2	1	2	3	11	18	W-18	3	2	1	2	3	11	30	W-30	3	3	3	5	4	18			
7	W-7	3	2	1	2	2	10	19	W-19	3	2	2	2	1	10	31	W-31	3	3	1	4	1	12			
8	W-8	3	2	2	2	4	13	20	W-20	3	1	1	1	2	8	32	W-32	3	2	0	7	2	14			
9	W-9	3	2	1	2	3	11	21	W-21	3	1	2	2	2	10	33	W-33	3	2	0	6	1	12			
10	W-10	3	2	1	2	3	11	22	W-22	1	0	0	1	0	2	34	W-34	3	2	0	5	2	12			
11	W-11	3	2	1	1	3	10	23	W-23	DEEPAWALI VACATIONS						Total Number of DPPs	97	69	43	85	91	385				
12	W-12	3	2	1	1	3	10	24	W-24	3	1	1	2	2	9											

RESONANCE EDUVENTURES LTD.

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