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Growing in Boards Since 2013...

**PARA-SCHOOLING PROGRAM DIVISION (PSPD)**

Centre of Excellence for School/Board Examinations

## **COURSE PLANNER**

**Academic Session: 2019-20**

**CLASS-X | BOOST (BEJ)**

**Target: 10<sup>th</sup> BOARDS (CBSE)**

**(Medium: English)**

**Course Commencement: 10.04.2019 | Course Ends: 15.12.2019**

### **COURSE CONCEPT**

This course is designed for students who wish to excel at 10<sup>th</sup> Board Exams. This Year-long Classroom Contact Program ensures conceptual understanding of the subject with sufficient emphasis on definitions, labelled diagrammatic presentations, writing skill and speed, detailed steps of answers etc. which play a key role in scoring marks at Board Exams.

Exhaustive study material and well conceived Periodic Test simulated as per NCERT Pattern are there to enhance the confidence level and performance of candidates.

### **RESONANCE TEACHING METHODOLOGY**

#### **Preparation for 10<sup>th</sup> Boards (CBSE)**

Classroom Teaching

Study Material (Sheets/Modules)

PT - Periodic Test

### **TEACHING/ LEARNING TOOLS**

- ♦ **Periodic Test (PT):** Periodic Tests are conducted after every two weeks. Syllabus of Periodic Test is whatever is taught in last 15 days.
- ♦ **Board Pattern Test Series:** Board pattern Test Series Comprising of Part tests, Half syllabus & full syllabus test of each subject to be conducted after completion of course.
- ♦ **Study Material:** Modules comprising of Topic wise key concepts, theoretical explanations, solved and unsolved exercises with Board exams question paper of last years are provided.

### **TOTAL ACADEMIC HOURS**

- ♦ **Course Duration:** 9 Months
- ♦ **Total Number of Lectures:** 492
- ♦ **Duration of one lecture:** 55 minutes
- ♦ **Total Duration of Classroom Teaching:** 451 hrs
- ♦ **Total Duration of Doubt Clearance Class:** 56.5 hrs
- ♦ **Total Duration of Testing Hours (PT):** 90 hrs
- ♦ **Total Duration of Testing Hours (BPTs):** 72 hrs
- ♦ **Total Classroom Hours in BEJ Course:** 669.5 hrs

#### **Disclaimer:**

- ♦ The Institute reserves all the right to increase/decrease the number of lectures allotted to any topic and also make changes in the sequence to the topics of each subject depending upon the course requirements.
- ♦ The information given in the course planner is proposed for Academic Session 2019-20. The institute reserves the right to make changes in course planner in the interest of students.

# SUBJECT WISE SYLLABUS PLAN

## MATHEMATICS (M)

S. No.	Topic Name/Sequence	Lecture No.(123)
1	REAL NUMBERS	L1-L8
2	POLYNOMIALS	L9-L15
3	PAIR OF LINEAR EQUATIONS IN TWO VARIABLES	L16-L26
4	QUADRATIC EQUATIONS	L27-L36
5	ARITHMETIC PROGRESSION	L37-L43
6	LINES (IN TWO DIMENSIONS)	L44-L49
7	TRIANGLES	L50-L63
8	CIRCLES	L64-L70
9	CONSTRUCTIONS	L71-L75
10	INTRODUCTION TO TRIGONOMETRY	L76-L84
11	TRIGONOMETRIC IDENTITIES	L85-L90
12	HEIGHTS & DISTANCES	L91-L97
13	AREAS RELATED TO CIRCLE	L98-L104
14	SURFACE AREAS & VOLUMES	L105-L110
15	STATISTICS	L111-L117
16	PROBABILITY	L118-L123

123 lect × 55 Min. = 113 hr

## BIOLOGY (B)

S. No.	Topic Name/Sequence	Lecture No.(63)
1	LIFE PROCESSES	L1-L18
2	CONTROL & COORDINATION	L19-L28
3	HOW DO ORGANISMS REPRODUCE	L29-L38
4	HEREDITY & EVOLUTION	L39-L50
5	OUR ENVIRONMENT	L51-L54
6	MANAGEMENT OF NATURAL RESOURCES	L55-L63

## CHEMISTRY (C)

S. No.	Topic Name/Sequence	Lecture No.
1	CHEMICAL REACTIONS AND EQUATIONS	L1-L12
2	ACIDS, BASES AND SALTS	L13-L27
3	METALS AND NON-METALS	L28-L38
4	CARBON AND ITS COMPOUNDS	L39-L53
5	PERIODIC CLASSIFICATION OF ELEMENTS	L54-L63

## PHYSICS (P)

S. No.	Topic Name/Sequence	Lecture No.
1	LIGHT REFLECTION AND REFRACTION	L1-L15
2	HUMAN EYE AND COLORFUL WORLD	L16-L28
3	ELECTRICITY	L29-L42
4	MAGNETIC EFFECTS OF ELECTRIC CURRENT	L43-L55
5	SOURCES OF ENERGY	L56-L63

189 lect × 55 Min. = 173 hr

## SOCIAL SCIENCE (SS)

S. No.	Topic Name/Sequence	Lecture No.(123)
1	CONSUMER RIGHTS	L1-L5
2	NATIONALISM IN INDIA	L6-L11
3	POWER SHARING	L12-L17
4	RESOURCES & DEVELOPMENT	L18-L 22
5	WATER RESOURCES	L23 -L28
6	FEDERALISM	L29-L33
7	SECTORS OF INDIAN ECONOMY	L34-L38
8	MAKING OF GLOBAL WORLD	L39-L43
9	AGRICULTURE	L44-L48
10	DEMOCRACY AND DIVERSITY	L49-L53
11	MONEY & CREDIT	L54-L59
12	AGE OF INDUSTRIALIZATION	L59-L63
13	GENDER RELEGION AND CASTE	L64-L68
14	GLOBALISATION	L69-L73
15	MINERAL AND ENERGY RESOURCES	L74-L79
16	MANUFACTURING INDUSTRIES	L80-L85
17	POLITICAL PARTIEES	L86-L90
18	PRINT CULTURE	L91-L95
19	LIFELINE IN NATIONAL ECONOMY	L96-L100
20	CHALLENGES TO DEMOCRACY	L100-L105
21	NATIONALISM IN EUROPE	L106-L110
22	OUTCOMES OF DEMOCRACY	L111-L115
23	REVISION	L116-L123

123 lect × 55 Min. = 113 hr

## ENGLISH (E)

S. No.	Topic Name/Sequence	Lecture No.(57)
1	LITERARY TERMS	L1-L3
2	A LETTER TO GOD	L-4
3	DUST OF SNOW	L-5
4	FIRE AND ICE	L-6
5	A TRIUMPH OF SURGERY	L-7
6	LETTER WRITING	L8-L9
7	REPORT WRITING	L-10
8	NELSON MANDELA: LONG WALK TO FREEDOM	L-11
9	A TIGER IN THE ZOO, HOW TO TELL WILD ANIMALS	L-12
10	THE THIEF'S STORY	L-13
11	THE MIDNIGHT VISITOR	L-14
12	TWO STORIES ABOUT FLYING	L-15
13	FROM THE DIARY OF ANNE FRANK	L-16
14	A QUESTION OF TRUST	L-17
15	STORY, ARTICLE WRITING	L-18
16	THE BALL POEM, AMANDA	L-19
17	THE HUNDRED DRESSES-I	L-20
18	THE HUNDRED DRESSES-II	L-21
19	TENSE	L22-L23
20	CONDITIONALS,CONNECTORS	L24-L25
21	SUBJECT-VERB CONCORD	L26-L27
22	REPORTED SPEECH	L28-L30
23	FOOTPRINTS WITHOUT FEET	L-31
24	THE MAKING OF A SCIENTIST	L-32
25	GLIMPSES OF INDIA	L-33
26	ANIMALS, THE TREES	L-34-L35
27	MIJIL THE OTTER	L-36
28	THE NECKLACE	L-37
29	EDITING, DIALOGUE COMPLETION	L-38-L39
30	OMISSION	L-40
31	THE HACK DRIVER	L-41
32	FOG, THE TALE OF CUSTARD THE DRAGON	L-42
33	MADAM RIDES THE BUS	L-43
34	MODALS	L44-L45
35	ACTIVE AND PASSIVE VOICE	L46-L48
36	DETERMINERS, NEWSPAPER HEADLINES	L49-L50
37	PREPOSITION	L51-L52
38	BHOLI	L-53
39	THE BOOK THAT SAVED THE EARTH	L-54
40	THE SERMON AT BENARES	L-55
41	FOR ANNE GREGORY	L-56
42	THE PROPOSAL	L-57

57 lect × 55 Min. = 52 hr

## WEEKLY LECTURE PLANNER (Per Subject)

Week No.	Week Duration		No. of Lecture						Total No. of Lectures	Week No.	Week Duration		No. of Lecture						Total No. of Lectures
	From	To	P	C	B	M	E	SS			From	To	P	C	B	M	E	SS	
W-1	10-APR	14-APR	2	2	2	3	0	3	12	W-19	12-AUG	18-AUG	2	2	2	3	0	3	12
W-2	15-APR	21-APR	2	2	2	4	2	4	16	W-20	19-AUG	25-AUG	2	2	2	4	2	4	16
W-3	22-APR	28-APR	2	2	2	4	2	4	16	W-21	26-AUG	01-SEP	2	2	2	4	2	4	16
W-4	29-APR	5-MAY	2	2	2	4	2	4	16	W-22	02-SEP	8-SEP	2	2	2	4	2	4	16
W-5	6-MAY	12-MAY	2	2	2	4	2	4	16	W-23	09-SEP	15-SEP	2	2	2	3	0	3	12
W-6	13-MAY	19-MAY	2	2	2	4	2	4	16	W-24	16-SEP	22-SEP	2	2	2	4	2	4	16
W-7	20-MAY	26-MAY	2	2	2	4	2	4	16	W-25	23-SEP	29-SEP	2	2	2	4	2	4	16
W-8	27-MAY	2-JUN	2	2	2	4	2	4	16	W-26	30-SEP	6-OCT	2	2	2	4	2	4	16
W-9	03-JUN	9-JUN	2	2	2	4	2	4	16	W-27	7-OCT	13-OCT	1	1	1	2	1	2	8
W-10	10-JUN	16JUN	2	2	2	4	2	4	16	W-28	14-OCT	20-OCT	2	2	2	4	2	4	16
W-11	17-JUN	23-JUN	2	2	2	4	2	4	16	W-29	21-OCT	27-OCT	0	0	0	0	0	0	0
W-12	24-JUN	30-JUN	0	0	0	0	0	0	0	W-30	28-OCT	3-NOV	0	0	0	0	0	0	0
W-13	01-JUL	7-JUL	0	0	0	0	0	0	0	W-31	04-NOV	10-NOV	2	2	2	4	2	4	16
W-14	08-JUL	14-JUL	2	2	2	4	2	4	16	W-32	11-NOV	17-NOV	2	2	2	4	2	4	16
W-15	15-JUL	21-JUL	2	2	2	4	2	4	16	W-33	18-NOV	24-NOV	2	2	2	4	2	4	16
W-16	22-JUL	28-JUL	2	2	2	4	2	4	16	W-34	25-NOV	01-DEC	2	2	2	4	2	4	16
W-17	29-JUL	4-AUG	2	2	2	4	2	4	16	W-35	02-DEC	8-DEC	2	2	2	4	2	4	16
W-18	05-AUG	11-AUG	2	2	2	4	2	4	16	W-36	09-DEC	15-DEC	2	2	2	4	2	4	16

# PERIODIC TEST SCHEDULE & SYLLABUS

PERIODIC TEST SYLLABUS								
S. No.	Periodic Test No.	Periodic Test Date	MATHEMATICS (M)	PHYSICS (P)	CHEMISTRY (C)	BIOLOGY (B)	ENGLISH (E)	SOCIAL STUDY (SS)
1	PT-01	04-05-2019 & 05-05-2019 SATURDAY & SUNDAY	REAL NUMBERS, POLYNOMIALS	REFLECTION, REFLECTION THROUGH CURVED SURFACE	CHEMICAL REACTIONS AND EQUATION, BALANCING THE CHEMICAL EQUATIONS AND TYPES OF CHEMICAL REACTION	LIFE PROCESS (NUTRITION), LIFE PROCESS (HUMAN DIGESTIVE SYSTEM, RESPIRATION)	LITERARY TERMS, A LETTER TO GOD, DUST OF SNOW, FIRE AND ICE, A TRIUMPH OF SURGERY	CONSUMER RIGHTS, NATIONALISM IN INDIA, POWER SHARING, RESOURCES & DEVELOPMENT
2	PT-02	18-05-2019 & 19-05-2019 SATURDAY & SUNDAY	PAIR OF LINEAR EQUATIONS IN TWO VARIABLES (TILL CROSS MULTIPLICATION METHOD)	REFRACTION	REDOX REACTION, CORROSION AND RANCIDITY	LIFE PROCESS (TRANSPORTATION)	LETTER WRITING, REPORT WRITING, NELSON MANDELA - LONG WALK TO FREEDOM, A TIGER IN THE ZOO	WATER RESOURCES
3	PT-03	01-06-2019 & 02-06-2019 SATURDAY & SUNDAY	PAIR OF LINEAR EQUATIONS IN TWO VARIABLES QUADRATIC EQUATIONS (TILL FACTORISATION)	LENS	ACID & BASES	LIFE PROCESS (EXCRETION)	HOW TO TELL WILD ANIMALS, THE THIEFS STORY, THE MIDNIGHT VISITOR TWO STORIES ABOUT FLYING	FEDERALISM, SECTORS OF INDIAN ECONOMY
4	PT-04	15-06-2019 & 16-07-2019 SATURDAY & SUNDAY	QUADRATIC EQUATIONS, ARITHMETIC PROGRESSION (TILL Nth TERM)	HUMAN EYE	ROLE OF WATER IN THE IONISATION OF ACIDS AND BASES, NEUTRALIZATION, PH SCALE	CONTROL & COORDINATION (IN ANIMALS)	FROM THE DIARY OF ANNE FRANK, A QUESTION OF TRUST, STORY, ARTICLE WRITING, THE BALL POEM, AMANDA	MAKING OF GLOBAL WORLD
5	PT-05	13-07-2019 & 14-07-2019 SATURDAY & SUNDAY	ARITHMETIC PROGRESSION, LINES	EYE DEFECTS & PRISM	SIGNIFICANCE OF PH IN DAILY LIFE AND SALT	CONTROL & COORDINATION (IN PLANTS)	THE HUNDRED DRESSES-I, THE HUNDRED DRESSES-II, TENSE	AGRICULTURE, DEMOCRACY AND DIVERSITY
6	PT-06	27-07-2019 & 28-07-2019 SATURDAY & SUNDAY	TRIANGLES (TILL SIMILARITY OF TRIANGLES)	SCATTERING OF LIGHT	SOME IMPORTANT CHEMICAL COMPOUNDS	CONTROL & COORDINATION (CHEMICAL COORDINATION)	CONDITIONALS, CONNECTORS, SUBJECT-VERB CONCORD	MONEY & CREDIT, AGE OF INDUSTRIALIZATION
7	PT-07	10-08-2019 & 11-08-2019 SATURDAY & WEDNESDAY	TRIANGLES	ELECTRIC CHARGE & POTENTIAL	PHYSICAL AND CHEMICAL PROPERTIES OF METALS AND NON - METALS	HOW DO ORGANISM REPRODUCE ? (ASEXUAL REPRODUCTION)	REPORTED SPEECH, FOOTPRINTS WITHOUT FEET, THE MAKING OF A SCIENTIST	GENDER RELIGION AND CASTE, GLOBALISATION
8	PT-08	24-08-2019 & 25-08-2019 SATURDAY & SUNDAY	CIRCLES	ELECTRIC RESISTANCE	REACTIVITY SERIES OF METALS, IONIC BOND AND PROPERTIES OF IONIC COMPOUNDS	HOW DO ORGANISM REPRODUCE ? (SEXUAL REPRODUCTION IN PLANTS)	GLIMPSES OF INDIA, ANIMALS, THE TREES, MUBIL THE OTTER	MINERAL AND ENERGY RESOURCES
9	PT-09	07-09-2019 & 08-09-2019 SATURDAY & SUNDAY	CONSTRUCTIONS, INTRODUCTION OF TRIGONOMETRY (TILL RATIO)	COMBINATION OF RESISTANCE	EXTRACTION OF METALS AND CORROSION	HOW DO ORGANISM REPRODUCE ? (SEXUAL REPRODUCTION IN ANIMALS)	THE NECKLACE, EDITING, DIALOGUE COMPLETION, OMISSION	MANUFACTURING INDUSTRIES
10	PT-10	21-09-2019 & 22-09-2019 SATURDAY & SUNDAY	INTRODUCTION TO TRIGONOMETRY, TRIGONOMETRIC IDENTITIES	HEATING EFFECT OF CURRENT	LEWIS DOT STRUCTURE AND ALLOTROPIC FORM OF CARBON	HEREDITY & EVOLUTION (TILL MENDEL'S EXPERIMENTS)	THE HACK DRIVER, FOG THE TALE OF CUSTARD THE DRAGON	POLITICAL PARTIES
11	PT-11	05-10-2019 & 06-10-2019 SATURDAY & SUNDAY	HEIGHTS & DISTANCES	MAGNETISM	CLASSIFICATION OF HYDROCARBONS AND HOMOLOGOUS SERIES	HEREDITY & EVOLUTION (HYBRID CROSS, SEX DETERMINATION)	MADAM RIDES THE BUS, MODALS	LIFELINES IN NATIONAL ECONOMY
12	PT-12	19-10-2019 & 20-10-2019 SATURDAY & SUNDAY	AREAS RELATED TO CIRCLE	MAGNETIC EFFECT OF CURRENT	IUPAC NAMING AND CHEMICAL PROPERTIES OF CARBON COMPOUNDS	HEREDITY & EVOLUTION (FROM EVOLUTION)	DETERMINERS, ACTIVE AND PASSIVE VOICE	CHALLENGES TO DEMOCRACY
13	PT-13	09-11-2019 & 10-11-2019 SATURDAY & SUNDAY	SURFACE AREAS AND VOLUMES	FORCE DUE TO MAGNETIC FIELD	PHYSICAL AND CHEMICAL PROPERTIES OF SOME ORGANIC COMPOUNDS, SOAP AND DETERGENTS	OUR ENVIRONMENT	NEWSPAPER HEADLINES, PREPOSITION	NATIONALISM IN EUROPE
14	PT-14	23-11-2019 & 24-11-2019 SATURDAY & SUNDAY	STATISTICS	ELECTRO - MAGNETIC INDUCTION	HISTORY OF PERIODIC TABLE INCLUDING MENDELEEV'S PERIODIC TABLE	MANAGEMENT OF NATURAL RESOURCES	BHOLI, THE BOOK THAT SAVED THE EARTH	OUTCOMES OF DEMOCRACY
15	PT-15	07-12-2019 & 08-12-2019 SATURDAY & SUNDAY	PROBABILITY	SOURCES OF ENERGY	MODERN (MOSELEY'S) PERIODIC TABLE	PRACTICALS/ACTIVITIES	THE SERMON AT BETHANES FOR ANNE GREGORY, THE PROPOSAL	PRINT CULTURE AND MODERN WORLD

# ACTIVITIES @ PSPD

Session - 2018-19

Bindas Bol



ResoTIPS



Guru Purnima



Picnic



World Environment Day



ResoSHARP



ResoQUEST  
Season-2



PERFUME  
Edition-2



## UNIQUE FEATURES:

- All Subjects Taught.
- Support for Practical.
- Zero DPP (Revision of Previous Class)
- Daily Care Classes (Doubt Clearance Session).
- Special Focus on Subjective Approach of Answer and Writing Skills.
- Regular Assignments through School Examination Preparatory (SEP) Sheets
- Specially Designed Board Practice Test Papers.
- Periodic Test after every 15 days.
- ResoSHARP (Resonance Student Hard Work Appreciation & Reward Program)
- ResoGHAR (Resonance Grievance Handling and Redressal)
- SAPER (Student Academic Performance and Evaluation Report).
- Motivational Session & Workshops.
- Student Feedback Mechanism.
- PTSM (Parent Teacher & Student Meeting).
- ResoTIPS (Resonance Toppers Interaction with Present Students)
- Co-Curricular Activities like Picnic, Festival Celebration, Annual Function etc.

**Holidays/Vacations** 1. **Eid-UI-Fitr** 5<sup>th</sup> June 2019 2. **Summer Break** 22<sup>nd</sup> June 2019 to 7<sup>th</sup> July 2019 3. **Eid-UI-Zuha (Bakr-Id)** 12<sup>nd</sup> August 2019 4. **Independence day** 15<sup>th</sup> August 2019 5. **Raksha Bandhan** 15<sup>th</sup> August 2019 6. **Muharram** 10<sup>th</sup> September 2019 7. **Navmi** 7<sup>th</sup> October 2019 8. **Dussehra** 08<sup>th</sup> October 2019 9. **Diwali Vacations** 21<sup>st</sup> October to 3<sup>rd</sup> November 2019.

### RESONANCE EDUVENTURES LTD.

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**JHALAWAR STUDY CENTRE:** (Badi Kothi) Prithvi vilas, Civil Lines, Jhalawar (Rajasthan)-326001 | **Tel. No.:** 7340010303

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