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Resonance[®]
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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-XI | BRIGHT (BEK)

Target: 11th Board Exams (CBSE/RBSE)

(Medium: English)

Course Commencement: 17.04.2019 | Course Ends: 29.12.2019

COURSE CONCEPT

This course is designed for students who wish to excel at 11th & 12th board exams in science stream. 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 Boards.

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

RESONANCE TEACHING METHODOLOGY

Preparation for 12th Board Exams (CBSE/RBSE)

Classroom Teaching

Study Material (Sheets/Modules)

PT - Periodic Test

CT - Cumulative Test

Classroom Teaching for fourth subject (English)

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.
- ♦ **Cumulative Test:** After every 3 PT, a CT (Cumulative Test) is conducted syllabus for CT is the syllabus of last 3 PTs.
- ♦ **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:** 540
- ♦ **Duration of one lecture:** 75 minutes
- ♦ **Total Duration of Classroom Teaching:** 675 hrs
- ♦ **Total Duration of Doubt Clearance Class:** 90 hrs
- ♦ **Total Duration of Testing Hours:** 60 hrs
- ♦ **Total Classroom Hours in BEK Course:** 825 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

PHYSICS (P)		
S. No.	Topic Name/Sequence	Lecture No.
1	PHYSICAL WORLD	L1-1
2	UNITS AND MEASUREMENTS	L2-13
3	MOTION IN A STRAIGHT LINE	L14-25
4	MOTION IN A PLANE	L26-39
5	LAWS OF MOTION	L40-53
6	WORK, ENERGY AND POWER	L54-62
7	SYSTEM OF PARTICLES AND ROTATIONAL MOTION	L63-74
8	GRAVITATION	L75-82
9	MECHANICAL PROPERTIES OF SOLIDS	L83-87
10	MECHANICAL PROPERTIES OF FLUIDS	L88-101
11	THERMAL PROPERTIES OF MATTER	L102-113
12	THERMODYNAMICS	L114-121
13	KINETIC THEORY	L122-129
14	OSCILLATIONS, WAVES	L130-145
15	RAY OPTICS	L146-166

166 lect × 75 Min. = 207.5 hr

CHEMISTRY (C)		
S. No.	Topic Name/Sequence	Lecture No.
1	BASIC CONCEPTS OF CHEMISTRY	L1-11
2	STRUCTURE OF ATOM	L12-25
3	CLASSIFICATION OF ELEMENTS & PERIODICITY IN PROPERTIES	L26-41
4	CHEMICAL BONDING AND MOLECULAR STRUCTURE	L42-61
5	STATES OF MATTER: GASES AND LIQUIDS	L62-73
6	THERMODYNAMICS	L74-85
7	EQUILIBRIUM	L86-103
8	REDOX REACTIONS	L104-109
9	HYDROGEN	L110-114
10	S-BLOCK ELEMENTS	L115-123
11	SOME P-BLOCK ELEMENTS	L124-134
12	ORGANIC CHEMISTRY: BASIC PRINCIPLES & TECHNIQUES	L135-154
13	HYDROCARBONS	L155-163
14	ENVIRONMENTAL CHEMISTRY	L164-166

166 lect × 75 Min. = 207.5 hr

MATHEMATICS (M)		
S. No.	Topic Name/Sequence	Lecture No.
1	SETS	L1-6
2	RELATION AND FUNCTION	L7-14
3	TRIGONOMETRY	L15-30
4	PRINCIPLE OF MATHEMATICAL INDUCTION	L31-40
5	COMPLEX NUMBER	L41-50
6	PERMUTATION & COMBINATION	L51-62
7	BINOMIAL THEOREM	L63-75
8	PROGRESSION	L76-90
9	LOGRITHM	L91-100
10	LIMITS & DERIVATIVE	L101-115
11	STRAIGHT LINE	L116-130
12	CONIC SECTION	L131-145
13	STATICS	L146-154
14	PROBABILITY	L155-166

166 lect × 75 Min. = 207.5 hr

BIOLOGY (B)		
S. No.	Topic Name/Sequence	Lecture No.
1	THE LIVING WORLD	L1-3
2	BIOLOGICAL CLASSIFICATION	L4-12
3	PLANT KINGDOM	L13-22
4	ANIMAL KINGDOM	L23-32
5	MORPHOLOGY OF FLOWERING PLANTS	L33-39
6	ANATOMY OF FLOWERING PLANTS	L40-46
7	STRUCTURAL ORGANISATION IN ANIMALS	L47-53
8	CELL-THE UNIT OF LIFE	L54-60
9	BIOMOLECULES	L61-68
10	CELL CYCLE AND CELL DIVISION	L69-72
11	TRANSPORT IN PLANTS	L73-79
12	MINERAL NUTRITION	L80-84
13	PHOTOSYNTHESIS IN HIGHER PLANTS	L85-94
14	RESPIRATION IN PLANTS	L95-101
15	PLANT - GROWTH AND DEVELOPMENT	L102-108
16	DIGESTION AND ABSORPTION	L109-115
17	BREATHING AND EXCHANGE OF GASES	L116-122
18	BODY FLUIDS AND CIRCULATION	L123-132
19	EXCRETORY PRODUCTS AND THEIR ELIMINATION	L133-139
20	LOCOMOTION AND MOVEMENT	L140-146
21	NEURAL CONTROL AND COORDINATION	L147-156
22	CHEMICAL COORDINATION AND INTEGRATION	L157-166

166 lect × 75 Min. = 207.5 hr

English 42 Lect. × 75 Min. = 52.5 Hr

WEEKLY LECTURE PLANNER (Per Subject)

Week No.	Week Duration		No. of Lecture					Total No. of Lectures
	From	To	P	C	M/B	E	CO-ACDM.*	
W-1	17-APR	21-MAY	3	4	4	1	1	12
W-2	22-APR	28-APR	6	5	6	1	1	18
W-3	29-APR	05-MAY	4	5	5	1	1	15
W-4	06-MAY	12-MAY	6	5	6	1	1	18
W-5	13-MAY	19-JUNE	5	4	5	1	1	15
W-6	20-MAY	26-MAY	5	5	6	2	1	18
W-7	27-MAY	02-JUN	5	5	4	1	1	15
W-8	03-JUN	09-JUN	4	5	5	1	1	15
W-9	10-JUN	16-JUN	5	5	4	1	0	15
W-10	17-JUN	23-JUN	4	5	5	1	1	15
W-11	24-JUN	30-JUN	0	0	0	0	0	0
W-12	01-JUL	07-JUL	6	5	5	2	1	18
W-13	08-JUL	14-JUL	5	4	5	1	1	15
W-14	15-JUL	21-JUL	6	5	5	2	1	18
W-15	22-JUL	28-JUL	5	5	4	1	1	15
W-16	29-JUL	04-AUG	5	6	6	1	1	18
W-17	05-AUG	11-AUG	5	5	4	1	1	15
W-18	12-AUG	18-AUG	4	3	4	1	1	12
W-19	19-AUG	25-AUG	5	4	5	1	1	15

Week No.	Week Duration		No. of Lecture					Total No. of Lectures
	From	To	P	C	M/B	E	CO-ACDM.*	
W-20	26-AUG	01-SEP	5	6	5	2	1	18
W-21	02-SEP	08-SEP	5	4	5	1	1	15
W-22	09-SEP	15-SEP	4	5	5	1	1	15
W-23	16-SEP	22-SEP	4	5	5	1	1	15
W-24	23-SEP	29-SEP	6	5	6	1	1	18
W-25	30-SEP	06-OCT	6	4	4	1	1	15
W-26	07-OCT	13-OCT	3	3	4	2	1	12
W-27	14-OCT	20-OCT	5	5	4	1	1	15
W-28	21-OCT	27-OCT	0	0	0	0	0	0
W-29	28-OCT	03-NOV	3	2	0	1	1	6
W-30	04-NOV	10-NOV	4	5	5	1	1	15
W-31	11-NOV	17-NOV	5	5	6	2	1	18
W-32	18-NOV	24-NOV	5	5	4	1	1	15
W-33	25-NOV	01-DEC	5	6	5	2	1	18
W-34	02-DEC	08-DEC	4	5	5	1	1	15
W-35	09-DEC	15-DEC	5	6	6	1	1	18
W-36	16-DEC	22-DEC	4	5	5	1	1	15
W-37	23-DEC	29-DEC	5	5	4	1	1	15

PERIODIC / CUMULATIVE TEST SCHEDULE & SYLLABUS

PERIODIC TEST SYLLABUS

S. No.	Periodic Test Type and No.	Periodic Test Date	MATHEMATICS (M)	PHYSICS (P)	CHEMISTRY (C)	BIOLOGY (B)	ENGLISH (E)
1	PT-01	05-05-19 SUNDAY	SET, RELATION & FUNCTION	PHYSICAL WORLD, UNITS AND MEASUREMENTS	BASIC CONCEPTS OF CHEMISTRY	THE LIVING WORLD, BIOLOGICAL CLASSIFICATION	
2	PT-02	19-05-19 SUNDAY	TRIGONOMETRY	MOTION IN A STRAIGHT LINE	STRUCTURE OF ATOM	PLANT KINGDOM	
3	PT-03	02-06-19 SUNDAY	PRINCIPAL OF MATHEMATICAL INDUCTION COMPLEX NUMBER, (TILL ALGEBRA OF C,N)	MOTION IN A PLANE	CLASSIFICATION OF ELEMENTS & PERIODICITY IN PROPERTIES TILL ATOMIC RADIUS	ANIMAL KINGDOM	
4	CT-01	15-06-19 to 16-06-19 SATURDAY & SUNDAY	SET, RELATION & FUNCTION, TRIGONOMETRY PRINCIPAL OF MATHEMATICAL INDUCTION COMPLEX NUMBER	MOTION IN A STRAIGHT LINE, MOTION IN A PLANE	STRUCTURE OF ATOM, CHEMICAL BONDING AND MOLECULAR STRUCTURE TILL HYBRIDIZATION, CLASSIFICATION OF ELEMENTS & PERIODICITY IN PROPERTIES	PLANT KINGDOM, ANIMAL KINGDOM	LITERARY TERMS, LETTER WRITING, SPEECH WRITING, ARTICLE WRITING, REPORT WRITING OR A NARRATIVE, THE PORTRAIT OF A LADY, A PHOTOGRAPH, THE VOICE OF THE RAIN
5	PT-04	14-07-19 SUNDAY	PERMUTATION & COMBINATION (TILL PERMUTATION)	LAWS OF MOTION	CHEMICAL BONDING AND MOLECULAR STRUCTURE	MORPHOLOGY OF FLOWERING PLANTS, ANATOMY OF FLOWERING PLANTS (TILL ROOT)	
6	PT-05	28-07-19 SUNDAY	PERMUTATION & COMBINATION, BINOMIAL THEORY (TILL MIDDLE TERM)	WORK, ENERGY AND POWER	STATES OF MATTER TILL IDEAL GAS	ANATOMY OF FLOWERING PLANTS (FROM STEM), CELL: THE UNIT OF LIFE, STRUCTURAL ORGANISATION IN ANIMALS	
7	CT-02	10-08-19 to 11-08-19 SATURDAY & SUNDAY	PERMUTATION & COMBINATION, BINOMIAL THEORY	LAWS OF MOTION, WORK, ENERGY AND POWER	CHEMICAL BONDING AND MOLECULAR STRUCTURE STATES OF MATTER, BASIC CONCEPTS OF CHEMISTRY	ANATOMY OF FLOWERING PLANTS, MORPHOLOGY OF FLOWERING PLANTS, STRUCTURAL ORGANISATION IN ANIMALS, BIOMOLECULES (UPTO MICRO MOLECULES)	WERE NOT AFRAID TO DIE., THE SUMMER OF THE BEAUTIFUL WHITE HORSE, THE ADDRESS, RANGAS WARRIAGE, DISCOVERING TUT, THE SAGA CONTINUES, THE ALIEN PLANET, THE GREEN MOVEMENTS ROLE.
8	PT-06	25-08-19 SUNDAY	PROGRESSION	SYSTEM OF PARTICLES AND ROTATIONAL MOTION	THERMODYNAMICS	BIOMOLECULES (FROM MACROMOLECULES), CELL CYCLE & CELL DIVISION	
9	PT-07	08-09-19 SUNDAY	LOGRITHM, LIMITS	GRAVITATION AND MECHANICAL PROPERTIES OF SOLIDS	EQUILIBRIUMS	TRANSPORT IN PLANTS, MINERAL NUTRITION	
10	PT-08	22-09-19 SUNDAY	LIMITS & DERIVATIVES	MECHANICAL PROPERTIES OF FLUIDS	REDOX	PHOTOSYNTHESIS IN HIGHER PLANTS, RESPIRATION IN PLANTS	
11	CT-03	05-10-19 to 06-10-19 SATURDAY & SUNDAY	PROGRESSION, LOGRITHM, LIMITS & DERIVATIVES	SYSTEM OF PARTICLES AND ROTATIONAL MOTION, GRAVITATION, MECHANICAL PROPERTIES OF SOLIDS	THERMODYNAMICS, EQUILIBRIUMS, REDOX, HYDROGEN	PLANT GROWTH AND DEVELOPMENT (TILL DEVELOPMENT) TRANSPORT IN PLANTS, MINERAL NUTRITION, PHOTOSYNTHESIS IN HIGHER PLANTS, RESPIRATION IN PLANTS	TENSES, CLAUSES, SENTENCE RE-ORDERING, REPORTED SPEECH, ALBERT EINSTEIN AT SCHOOL, MOTHER'S DAY
12	PT-09	20-10-19 SUNDAY	STRAIGHT LINE, CIRCLE	THERMAL PROPERTIES OF MATTER	S-BLOCK	PLANT GROWTH AND DEVELOPMENT (FROM PLANT GROWTH REGULATORS) DIGESTION AND ABSORPTION, BREATHING & EXCHANGE OF GASES	
13	PT-10	10-11-18 SUNDAY	CONIC SECTION	THERMODYNAMICS AND KINETIC THEORY OF GASES	P-BLOCK	BODY FLUIDS AND CIRCULATION	
14	PT-11	24-11-19 SUNDAY	STATICS	OSCILLATIONS, WAVES	ORGANIC CHEMISTRY: BASIC PRINCIPLES & TECHNIQUES	EXCRETORY PRODUCTS AND THEIR ELIMINATION, LOCOMOTION AND MOVEMENT	
15	CT-04	07-12-19 to 08-12-19 SATURDAY & SUNDAY	STRAIGHT LINE, CONIC SECTION, STATICS	THERMODYNAMICS AND KINETIC THEORY OF GASES, OSCILLATIONS, WAVES	S-BLOCK ELEMENTS, P-BLOCK ELEMENTS, ORGANIC CHEMISTRY: BASIC PRINCIPLES & TECHNIQUES	PLANT-GROWTH AND DEVELOPMENT, DIGESTION AND ABSORPTION, BREATHING & EXCHANGE OF GASES, BODY FLUIDS AND CIRCULATION, EXCRETORY, LOCOMOTION & MOVEMENT	EDITING, OMISSION, THE BROWNING VERSION, CHILDHOOD, FATHER TO SON, ACTIVE AND PASSIVE VOICE, BIRTH, THE TALE OF MELON CITY
16	PT-12	24-11-19 SUNDAY	PROBABILITY	RAY OPTICS	HYDROCARBONS, ENVIRONMENTAL CHEMISTRY	NEURAL CONTROL AND COORDINATION, CHEMICAL COORDINATION AND INTRGRATION	

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** 5th June 2019 2. **Summer Break** 22nd June 2019 to 30th June 2019 3. **Eid-UI-Zuha (Bakr-Id)** 12th August 2019
4. **Independence day** 15th August 2019 5. **Raksha Bandhan** 15th August 2019 6. **Muharram** 10th September 2019 7. **Navmi** 7th October 2019
8. **Dusshera** 08th October 2019

RESONANCE EDUVENTURES LTD.

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