

COURSE PLANNER

For Students of
CLASS-VII

REGULAR PROGRAM | Academic Session: 2017-2018



Medium: **English**

Course Concept: The Program prepare students for OLYMPIADS & build strong foundation That leads to Excellent performance in Engineering & Medical Examinations along with excellence in school studies.

Course Commencement: 03.04.2017 | Course Ends: 18.02.2018

TEACHING/LEARNING TOOLS

- ♦ Classroom Teaching
- ♦ Daily Practice Problems (DPPs)
- ♦ Study Material (Sheet/Modules)
- ♦ Periodic Tests
- ♦ Doubt Classes
- ♦ SEP Sheets

DISCLAIMER

- ♦ The Institute reserves the right to increase/decrease the number of lectures allotted to any topic and also make changes in the sequence of the topics in each subject depending upon the course requirements.
- ♦ This Course Planner in all respects is applicable only at Kota (Rajasthan) SCs. At other Resonance Study Centers, Students/Parents may find some 'minor' variations to accommodate City specific features/factors.
- ♦ The information given in this Course Planner is proposed for Academic Session 2017-18. The institute reserves the right to make changes in it in the interest of students.

TOTAL ACADEMIC HOURS

- ♦ Course Duration: 46 Weeks
- ♦ Total Number of Lectures: 424
- ♦ Duration of one lecture: 55 minutes
- ♦ Total Duration of Classroom Teaching: 388 hrs
- ♦ Total Duration of Testing: 54 hrs
- ♦ Total Academic Hours: 442 hrs

HOLIDAYS / VACATIONS

1. Resonance Foundation Day: 11th April 2017 | 2. Summer Break: 12th to 24th June 2017 | 3. Raksha Bandhan: 7th August, 2017 | 4. Special Holiday: 14th August, 2017 | 5. Independence Day: 15th August, 2017 | 6. Anant Chaturdashi: 5th September, 2017 | 7. Term Break: 11th to 29th September, 2017 | 8. Dussehra: 30th September, 2017 | 9. Deepawali Holidays: 15th to 22nd October, 2017 | 10. Winter Break: 25th to 30th December, 2017 | 11. Makar Sankranti: 14th January 2018 | 12. Republic Day: 26th January, 2018: (Applicable only at Kota SC and at other SC's Deepawali vacation will be informed to students as per respective SC holiday calendar)

PTSM Schedule: 20th May, 2017 | 12th August, 2017 | 2nd December, 2017 | 27th January, 2018

CALL: 0744-2434727, 08824078330 | SMS: RESO PCCP at 56677

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SUBJECT WISE SYLLABUS PLAN

MATHEMATICS

S.No.	Topic Name	No. of Classes	Topic Start Date
1.	Integers	5	03-Apr-17
2.	fractions and decimals	8	17-Apr-17
3.	rational number	5	08-May-17
4.	"lines and angles"	5	22-May-17
5.	Triangles	7	05-Jun-17
6.	"Congruency of Triangles"	5	10-Jul-17
7.	Exponents	3	24-Jul-17
8.	"Algebraic Expressions"	10	31-Jul-17
9.	Statistics	5	02-Oct-17
10.	Probability	3	23-Oct-17
11.	construction	5	30-Oct-17
12.	"symmetry and visualizing solid shapes"	2	13-Nov-17
13.	Mensuration	7	20-Nov-17
14.	linear equation	3	09-Dec-17
15.	"Ratio and Proportion"	5	18-Dec-17
16.	Percentage	5	08-Jan-18
17.	"Profit loss discount"	4	22-Jan-18
18.	Simple Interest	2	12-Feb-18
Total		89	

WEEKLY LECTURE PLANNER (PER SUBJECT)

Week No.	Week Duration		No. of Lecture								Total No. of Lecture
	From	To	Physic	Chemistry	Mathematics	Biology	Social Science	English	Mental Ability		
W1	3-4-17	8-4-17	2	2	3	1	2	1	1	12	
W2	10-4-17	15-4-17	2	1	2	2	2	2	1	12	
W3	17-4-17	22-4-17	1	2	3	2	2	1	1	12	
W4	24-4-17	29-4-17	2	2	2	1	2	2	1	12	
W5	1-5-17	6-5-17	2	1	3	2	2	1	1	12	
W6	8-5-17	13-5-17	1	2	2	2	2	2	1	12	
W7	15-5-17	20-5-17	2	2	3	1	2	1	1	12	
W8	22-5-17	27-5-17	2	1	2	2	2	2	1	12	
W9	29-5-17	3-6-17	1	2	3	2	2	1	1	12	
W10	5-6-17	10-6-17	2	2	2	1	2	2	1	12	
W11	12-6-17	17-6-17	Summer Break								
W12	19-6-17	24-6-17	Summer Break								
W13	26-6-17	1-7-17	2	1	3	2	2	1	1	12	
W14	3-7-17	8-7-17	1	2	2	2	2	2	1	12	
W15	10-7-17	15-7-17	2	2	3	1	2	1	1	12	
W16	17-7-17	22-7-17	2	1	2	2	2	2	1	12	
W17	24-7-17	29-7-17	1	2	3	2	2	1	1	12	
W18	31-7-17	5-8-17	2	2	2	1	2	2	1	12	
W19	7-8-17	12-8-17	1	1	2	1	1	1	1	8	
W20	14-8-17	19-8-17	1	1	2	1	1	1	1	8	
W21	21-8-17	26-8-17	1	2	2	2	2	2	1	12	
W22	28-8-17	2-9-17									
W23	4-9-17	9-9-17	1	1	2	1	1	1	1	8	
W24	11-9-17	16-9-17	Term Break								
W25	18-9-17	23-9-17	Term Break								
W26	25-9-17	30-9-17	Term Break								
W27	2-10-17	7-10-17	2	2	3	1	2	1	1	12	
W28	9-10-17	14-10-17	2	1	2	2	2	2	1	12	
W29	16-10-17	21-10-17									
W30	23-10-17	28-10-17	1	2	3	2	2	1	1	12	
W31	30-10-17	4-11-17	2	2	2	1	2	2	1	12	
W32	6-11-17	11-11-17	2	1	3	2	2	1	1	12	
W33	13-11-17	18-11-17	1	2	2	2	2	2	1	12	
W34	20-11-17	25-11-17	2	2	3	1	2	1	1	12	
W35	27-11-17	2-12-17	2	1	2	2	2	2	1	12	
W36	4-12-17	9-12-17	1	2	3	2	2	1	1	12	
W37	11-12-17	16-12-17	2	2	2	1	2	2	1	12	
W38	18-12-17	23-12-17	2	1	3	2	2	1	1	12	
W39	25-12-17	30-12-17	Winter Vacation								
W40	1-1-18	6-1-18	1	2	2	2	2	2	1	12	
W41	8-1-18	13-1-18	2	2	3	1	2	1	1	12	
W42	15-1-18	20-1-18	2	1	2	2	2	2	1	12	
W43	22-1-18	27-1-18	1	1	2	1	1	1	1	8	
W44	29-1-18	3-2-18	1	1	2	1	1	1	1	8	
W45	5-2-18	10-2-18									
W46	12-2-18	17-2-18	2	2	2	2	2	2	1	12	

SOCIAL SCIENCE

S.No.	Topic Name	No. of Classes	Topic Start Date
1.	Tracing Changes Through A thousand years	2	03-Apr-17
2.	Environment	2	10-Apr-17
3.	Equality In Indian Democracy	2	17-Apr-17
4.	New Kings and kingdoms	2	24-Apr-17
5.	Inside our Earth	2	01-May-17
6.	The Delhi Sultans	3	08-May-17
7.	Our Changing Earth	2	17-May-17
8.	State Government and its Role in Health	3	22-May-17
9.	The Mughal Empire	2	05-Jun-17
10.	Rulers and Builders	4	26-Jun-17
11.	AIR	3	10-Jul-17
12.	Gender and the role of women	5	19-Jul-17
13.	map work + project	2	07-Aug-17
14.	WATER	3	21-Aug-17
15.	revision	1	04-Sep-17
16.	Media and Advertisement	3	02-Oct-17
17.	Town traders and craft persons	3	11-Oct-17
18.	Natural vegetation and wild life	3	30-Oct-17
19.	Tribes ,nomads and settled communities	3	08-Nov-17
20.	Human environment and settlement	3	20-Nov-17
21.	Devotional path to divine	3	29-Nov-17
22.	The Tropical and subtropical Region	2	11-Dec-17
23.	The making of regional Culture	3	03-Dec-17
24.	Market	3	01-Jan-18
25.	Life in Temperate grassland	2	15-Jan-18
26.	Life in the Desert	1	22-Jan-18
27.	Eighteenth century Political Formation + Revision	3	29-Jan-18
Total		69	

PHYSICS

S.No.	Topic Name	No. of Classes	Topic Start Date
1.	Measurement	5	03-Apr-17
2.	Motion and Time	8	24-Apr-17
3.	Heat	7	24-May-17
4.	Sound	10	10-Jul-17
5.	"Electrical Current and Its Effect"	10	04-Sep-17
6.	Light	10	13-Nov-17
7.	Winds, Storm and Cyclones	6	01-Jan-18
8.	Universe	3	29-Jan-18
Total		59	

CHEMISTRY

S.No.	Topic Name	No. of Classes	Topic Start Date
1.	"GENERAL CHEMISTRY"	14	03-Apr-17
2.	"Fibre to Fabric "	13	03-Jun-17
3.	"Acids, Bases and Salts "	5	07-Aug-17
4.	Physical and Chemical Changes	14	02-Oct-17
5.	"Water - A Precious Resource"	13	06-Dec-17
Total		59	

ENGLISH			
S.No.	Topic Name	No. of Classes	Topic Start Date
1.	Noun	2	03-Apr-17
2.	Pronoun	2	12-Apr-17
3.	Irregular verbs + message + notice	2	24-Apr-17
4.	Spoken english activity	1	01-May-17
5.	One word substitution	2	08-May-17
6.	Letter writing	1	15-May-17
7.	Adjective	3	22-May-17
8.	Degree of Comparison	1	05-Jun-17
9.	Article + Report + Speech	1	07-Jun-17
10.	Adverbs	4	26-Jun-17
11.	Tense	5	17-Jul-17
12.	conditionals	2	07-Aug-17
13.	Active- passive voice	3	21-Aug-17
14.	Idioms and phrases	1	02-Oct-17
15.	Prepositions	3	09-Oct-17
16.	Determiners	2	30-Oct-17
17.	Synonyms + antonyms	1	06-Nov-17
18.	Conjunctions	2	13-Nov-17
19.	Spoken english activity	1	20-Nov-17
20.	homophones & Homonyms + article/report/speech	2	27-Nov-17
21.	analogy	1	04-Dec-17
22.	Reported speech	3	11-Dec-17
23.	Modals	3	01-Jan-18
24.	Diary entry + story writing	2	15-Jan-18
25.	Subject verb concord	2	22-Jan-18
26.	Error spotting	2	12-Feb-18
	Total	54	

MENTAL ABILITY			
S.No.	Topic Name	No. of Classes	Topic Start Date
1.	Playing alphabets	2	03-Apr-17
2.	Trains	5	17-Apr-17
3.	Magical Figures	3	22-May-17
4.	Operate the problems	3	26-Jun-17
5.	Words in problems	3	17-Jul-17
6.	At the Destination	2	07-Aug-17
7.	Be Regular	3	21-Aug-17
8.	Sit down	2	09-Oct-17
9.	Magic mystery	2	30-Oct-17
10.	Compare & out	1	13-Nov-17
11.	Countdown	2	20-Nov-17
12.	The time is right	1	04-Dec-17
13.	Figure Train and Figure out	2	11-Dec-17
14.	Throw it	3	01-Jan-18
15.	Get the image	2	22-Jan-18
	Total	36	

BIOLOGY			
S.No.	Topic Name	No. of Classes	Topic Start Date
1.	Nutrition in plants	4	03-Apr-17
2.	Nutrition in Animals	4	19-Apr-17
3.	Weather, climate & adaptation	4	08-May-17
4.	Respiration	6	24-May-17
5.	Transportation	6	03-Jul-17
6.	Forest our life line	3	26-Jul-17
7.	Soil	4	14-Aug-17
8.	Reproduction	5	02-Oct-17
9.	Food	7	30-Oct-17
10.	Movement in animals	5	29-Nov-17
11.	Cellular level of organisation + Revision	10	18-Dec-17
	Total	58	

School Examination Preparatory (SEP) Sheet: Schedule

S.No.	Solve Date	Check Date	Test Syllabus					
			Physics	Chemistry	Mathematics	Biology	English	Social Science
1	3/4 to 15/4	24/4 to 29/4	Measurement		Integers	Nutrition in plants	Noun	
2	17/4 to 6/5	15/5 to 20/5	Motion and Time		fractions and decimals		Pronoun	"Tracing Changes Through A thousand years + Equality In Indian Democracy + Inside our Earth"
3	8/5 to 20/5	5/6 to 10/6			rational number	Nutrition in Animals	"Irregular verbs + message + notice + One word substitution"	Environment + New Kings and kingdoms + The Delhi Sultans
4	22/5 to 3/6	26/6 to 1/7		"GENERAL CHEMISTRY"	"lines and angles"	Weather, climate & adaptation	Letter writing	
5	5/6 to 8/7	17/7 to 22/7	Heat		Triangles	Respiration	Adjective + Article/report/speech	State Government and its Role in Health + Rulers and Builders
6	10/7 to 22/7	7/8 to 12/8			"Congruency of Triangles"	Transportation	Adverbs + Degree of comparison	Our Changing Earth + The Mughal Empire + AIR
7	24/7 to 29/7	28/8 to 2/9	Sound	"Fibre to Fabric "	Exponents	Forest our life line	conditionals	
8	31/7 to 9/9	2/10 to 7/10		"Acids, Bases and Salts "	"Algebraic Expressions"	Soil	Tense + Active-passive voice	Gender & the role of women + WATER
9	2/10 to 14/10	23/10 to 28/10			Statistics		Idioms and phrases	Media and Advertisement
10	23/10 to 28/10	13/11 to 18/11	"Electrical Current & Its Effect"		Probability	Reproduction	Prepositions + Synonyms + antonyms	Town traders and craft persons
11	30/10 to 11/11	4/12 to 9/12			construction		Determiners + Conjunctions	Natural vegetation and wild life
12	13/11 to 18/11	1/1 to 6/1	Light		"symmetry & visualizing solid shapes"			Tribes, Nomads & settled communities
13	20/11 to 6/12	22/1 to 27/1			Mensuration	Food		Human environment and settlement
14	8/12 to 16/12	1/1 to 6/1		Physical & Chemical Changes	linear equation	Movement in animals		The Tropical and subtropical Region
15	18/12 to 6/1	22/1 to 27/1			"Ratio and Proportion"		"Homophones and Homonyms + article/ report/speech + Reported speech "	Devotional path to divine + The making of regional Culture
16	8/1 to 20/1	5/2 to 10/2			Percentage		Analogy + Modals	Market
17	22/1 to 3/2	5/2 to 10/2	Wind, Storm & Cyclones		"Profit loss discount"	Cellular level of organisation	Subject verb concord	Life in Temperate grassland + Eighteenth century Political Formation
18	12/2 to 17/2	5/2 to 10/2	Universe	"Water-A Precious Resource"	Simple Interest		Diary entry + story writing + Error spotting	Life in the Desert

Academic Planning & Test Grid

Periods / Test Type & No.	P.T. Date	Test Type	Olympiad Pattern Part Test (OPT), Olympiad Pattern Cumulative Test (OCT), School Exam Preparatory Pattern Test (SEP), Open Test (OT) Syllabus and Result Communication							Testing Hours	Penalitive Result	Final Result
			Physics	Chemistry	Mathematics	Biology	Social Science	English	Mental Ability			
OPT-1	23.04.17	Objective	Measurement (upto system of units)	GENERAL CHEMISTRY (Matter, Atom, Symbol, Dalton's Atomic Theory, Merits & Demerits of Dalton's Atomic Theory)	integers	Nutrition in plants.	Tracing Changes & Environment	Noun + Pronoun + comprehension	Playing alphabets	2	27.04.17 01.05.17	
OCT-1	14.05.17	Objective	Measurement, Motion and Time (upto Application of force of Gravity.)	GENERAL CHEMISTRY (till valency)	integers, fractions and decimals	Nutrition in animals, Weather climate adaptation (Aquatic, Amphibious)	Environment & Equality In Indian Democracy, New kings and kingdoms, Inside our earth	comprehension+noun +pronoun+irregular verbs	Playing alphabets, Trains (Missing number in given series, Alphabet series)	2	18.05.17 22.05.17	
SEP-1	04.06.17 (Mon & Sat)	Subjective	NA	NA	rational number, fractions and decimals, lines and angles	NA	The Delhi Sultans, Our Changing Earth	NA	NA	3	17.06.17 20.06.17	
SEP-1	09.07.17	Subjective (S.C. & Eng)	Measurement, Motion and time full, heat (upto Conduction)	GENERAL CHEMISTRY	NA	Nutrition in Plants and Animals, Weather climate and Adaptation & Respiration	NA	Letter writing, article+report+ speech, Adjective, message+ notice	NA	3	22.07.17 25.07.17	
OPT-2	30.07.17	Objective	Heat (from Convection to Themos Flask), Sound (upto: Propagation of sound, Nature of sound)	FIBRETO FABRIC (Till Rearing OF Silk To Obtain Cocoons)	Triangles, Congruency of triangles	Transportation.	State Government and its Role in Health, The Mughal Empire, Water	Adverbs + Reading comprehension	Magical Figures, Operate the problems	2	03.08.17 07.08.17	
OCT-2	20.08.17	Objective	Heat, Sound.	Fibre to Fabric	Triangles, Congruency of Triangles, Exponents, Algebraic Expression (Addition and Subtraction)	Transportation & forest our life line	Air Gender and the role of women	Tense	Operate the problems, Words in problems, At the Destination	2	24.08.17 28.08.17	

MT Major Test Dates: 28th August to 4th September 2017

MT	Subjective	Major Test Dates: 28 th August to 4 th September 2017							12	19.09.17 23.09.17	
OPT-3	29.10.17	Objective	Electrical Current and Its Effect (upto Effects of electric current)	ACID BASE & SALT (Till Some Important Bases And Their Uses)	Algebraic Expression, Statistics	Reproduction	Media and Advertisements, Town traders and craftpersons	Idioms + Reading Comprehension	Be Regular, Sit down (Simple Question)	2	12.10.17 16.10.17
OCT-3	19.11.17	Objective	Electrical Current and Its Effect (from Fuse to safety measures in using electricity)	ACID BASE & SALT COMPLETE	Probability, Statistics, Symmetry	Reproduction & Food up to crop production.	Natural Vegetation and wild life, Tribes, Nomads and Settled Communities	Prepositions	Be Regular, Sit down, Magic mystery,	2	09.11.17 13.11.17
SEP-2	10.12.17 (Mon & Sat)	Subjective	NA	NA	Statistics: Probability, symmetry and visualizing solid shapes, Mensuration (up to trapezium)	NA	Human Environment and Settlement, Devotional Path to Divine	NA	NA	3	09.12.17 12.12.17
SEP-2	07.01.18 (S.C. & Eng)	Subjective	Electrical Current and Its Effect, Light.	PHYSICAL & CHEMICAL CHANGE	NA	Reproduction, Food & Movement and locomotion.	NA	Reported Speech + Article + Message + Proverbs	NA	3	30.12.17 02.01.18
OPT-4	28.01.18	Objective	Winds, Storms and Cyclones	WATER A Precious Resource (Till Waste Water)	Mensuration, Linear Equation, Ratio and Proportion, Percentage	Cellular Level of Organisation	The Tropical and Subtropical Region, The Making of Regional Culture, Market	Reported speech+ Comprehension	Figure Train and Figure out, Throw it, Get the image	2	25.01.18 29.01.18

MT Major Test Dates: 2nd to 9th February 2018

MT	Subjective	Major Test Dates: 2 nd to 9 th February 2018							12	17.02.18 21.02.18	
OT-1	11.02.18	Objective	Full syllabus	Full syllabus	Full syllabus	Full syllabus	NA	NA	NA	2	15.02.18 19.02.18
OT-2	18.02.18	Objective	Full syllabus	Full syllabus	Full syllabus	Full syllabus	NA	NA	NA	2	22.02.18 26.02.18