

COURSE PLANNER

For Students of
CLASS-X

REGULAR PROGRAM | Academic Session: 2017-2018



Medium: **English**

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

Course Commencement: 26.06.2017 | 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: 34 Weeks
- ♦ Total Number of Lectures: 424
- ♦ Duration of one lecture: 55 minutes
- ♦ Total Duration of Classroom Teaching: 388 hrs
- ♦ Total Duration of Testing: 45 hrs
- ♦ Total Academic Hours: 433 hrs

HOLIDAYS / VACATIONS

1. Raksha Bandhan: 7th August, 2017 | 2. Special Holiday: 14th August, 2017 | 3. Independence Day: 15th August, 2017 | 4. Anant Chaturdashi: 5th September, 2017 | 5. Term Break: 25th to 29th September, 2017 | 6. Dussehra: 30th September, 2017 | 7. Deepawali Holidays: 15th to 22nd October, 2017 | 8. Winter Break: 25th to 30th December, 2017 | 9. Makar Sankranti: 14th January 2018 | 10. 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: 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.	Real Numbers	7	26-Jun-17
2.	Polynomials	6	05-Jul-17
3.	Pair of Linear Equations in two variables	6	14-Jul-17
4.	Introduction to Trigonometry	7	24-Jul-17
5.	Triangles	12	31-Jul-17
6.	Statistics	10	21-Aug-17
7.	Quadratic Equations	6	11-Sep-17
8.	Arithmetic Progressions	5	02-Oct-17
9.	Coordinate Geometry	6	23-Oct-17
10.	Some Applications of Trigonometry	3	06-Nov-17
11.	Circles	3	13-Nov-17
12.	Area Related to Circles	4	20-Nov-17
13.	Surface Area and Volume	9	27-Nov-17
14.	Probability	4	18-Dec-17
15.	Constructions	6	08-Jan-18
Total		94	

CHEMISTRY

S.No.	Topic Name	No. of Classes	Topic Start Date
1.	Chemical reactions and equations	8	26-Jun-17
2.	Acids, Bases and Salts	12	13-Jul-17
3.	Metals & Nonmetals	12	07-Aug-17
4.	Carbon and Its compounds	20	18-Sep-17
5.	Periodic table	9	18-Dec-17
Total		61	

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	26/6/17	1/7/17	3	3	5	3	5	3	2	24	
W2	3/7/17	8/7/17	4	3	5	3	4	3	2	24	
W3	10/7/17	15/7/17	3	4	5	3	4	3	2	24	
W4	17/7/17	22/7/17	3	3	5	4	4	3	2	24	
W5	24/7/17	29/7/17	3	3	6	3	4	3	2	24	
W6	31/7/17	5/8/17	3	3	6	3	4	3	2	24	
W7	7/8/17	12/8/17	3	3	4	3	3	2	2	20	
W8	14/8/17	19/8/17	2	2	3	2	3	2	2	16	
W9	21/8/17	26/8/17	3	3	6	3	4	3	2	24	
W10	28/8/17	2/9/17								0	
W11	4/9/17	9/9/17	2	2	4	2	2	2	2	16	
W12	11/9/17	16/9/17	2	2	3	1	2	1	1	12	
W13	18/9/17	23/9/17	2	1	2	2	2	2	1	12	
W14	25/9/17	30/9/17	Term Break								0
W15	2/10/17	7/10/17	2	2	3	1	2	1	1	12	
W16	9/10/17	14/10/17	2	1	2	2	2	2	1	12	
W17	16/10/17	21/10/17								0	
W18	23/10/17	28/10/17	1	2	3	2	2	1	1	12	
W19	30/10/17	4/11/17	2	2	2	1	2	2	1	12	
W20	6/11/17	11/11/17	2	2	3	2	2	1		12	
W21	13/11/17	18/11/17	1	2	3	2	2	2		12	
W22	20/11/17	25/11/17	2	2	3	2	2	1		12	
W23	27/11/17	2/12/17	2	1	3	2	2	2		12	
W24	4/12/17	9/12/17	2	2	3	2	2	1		12	
W25	11/12/17	16/12/17	2	2	3	1	2	2		12	
W26	18/12/17	23/12/17	2	2	3	2	2	1		12	
W27	25/12/17	30/12/17	Winter Break								0
W28	1/1/18	6/1/18	1	2	3	2	2	2		12	
W29	8/1/18	13/1/18	2	2	3	2	2	1		12	
W30	15/1/18	20/1/18	2	1	3	2	2	2		12	

ENGLISH

S.No.	Topic Name	No. of Classes	Topic Start Date
1	Tense	2	26-Jun-17
2	conditionals	1	30-Jun-17
3	The frog and the nightingale	2	03-Jul-17
4	Two gentlemen of verona	2	07-Jul-17
5	SVA	2	12-Jul-17
6	Mrs. Packletide's tiger	2	17-Jul-17
7	The Mirror	1	21-Jul-17
8	Reported speech	2	24-Jul-17
9	Determiners	1	28-Jul-17
10	Modals	1	31-Jul-17
11	Not marble nor the gilded monuments	1	02-Aug-17
12	The letter	3	04-Aug-17
13	The dear departed	4	14-Aug-17
14	Letter /story/article writing	1	25-Aug-17
15	Novel	2	04-Sep-17
16	Dialogue completion + Editing + Omission + Newspaper Headlines	2	11-Sep-17
17	Active passive voice	2	21-Sep-17
18	Prepositions	2	09-Oct-17
19	Connectors	2	23-Oct-17
20	ozymandias	1	02-Nov-17
21	Shady plot	3	06-Nov-17
22	Rime of the ancient mariner	3	20-Nov-17
23	Patol babu	3	04-Dec-17
24	Virtually true	2	18-Dec-17
25	Snake	1	05-Jan-18
26	Julius Caesar	4	15-Jan-18
27	Novel	2	15-Jan-18
28	Dialogue completion + Editing + Omission + Newspaper Headlines	1	17-Jan-18
Total		55	

BIOLOGY

S.No.	Topic Name	No. of Classes	Topic Start Date
1.	Nutrition	8	26-Jun-17
2.	Respiration	5	17-Jul-17
3.	Transportation	5	24-Jul-17
4.	Excretion	4	07-Aug-17
5.	Control and co-ordination	9	16-Aug-17
6.	Reproduction	10	02-Oct-17
7.	Heredity and Evolution	11	20-Nov-17
8.	Our environment	3	08-Jan-18
9.	Natural Resources & Its Management	5	17-Jan-18
Total		60	

SOCIAL SCIENCE			
S.No.	Topic Name	No. of Classes	Topic Start Date
1	Power Sharing	2	26-Jun-17
2	Resources and Development	2	29-Jun-17
3	"The Age of Industrialisation"	3	03-Jul-17
4	Development	2	07-Jul-17
5	Federalism	2	10-Jul-17
6	Sectors of Indian Economy	3	12-Jul-17
7	The Making of a Global World	3	17-Jul-17
8	Forest & Wild Life Resources	2	24-Jul-17
9	Work, life & leisure: Cities in The Contemporary World	3	26-Jul-17
10	Water Resources	2	31-Jul-17
11	Democracy & Diversity	2	02-Aug-17
12	"Print Culture and the Modern World "	4	08-Aug-17
13	Gender, Religion and Caste	2	16-Aug-17
14	Agriculture	2	21-Aug-17
15	Novel Society & History	3	04-Sep-17
16	The Rise of Nationalism in Europe	4	11-Sep-17
17	Minerals & Energy Resources	2	02-Oct-17
18	Money & Credit	2	09-Oct-17
19	Popular Struggles and Movements	2	23-Oct-17
20	"Globalisation and the Indian Economy"	2	30-Oct-17
21	Nationalism in India	4	06-Nov-17
22	Consumer Rights	2	20-Nov-17
23	Manufacturing Industries	2	07-Nov-17
24	Lifelines of the National Economy	2	04-Dec-17
25	Political Parties	2	11-Dec-17
26	Outcomes of Democracy	2	18-Dec-17
27	Challenges to Democracy + Revision	7	01-Jan-18
Total		70	

MENTAL ABILITY			
S.No.	Topic Name	No. of Classes	Topic Start Date
1	Alphabet Test	1	26-Jun-17
2	Coding-Decoding	2	30-Jun-17
3	Number Series	1	07-Jul-17
4	Alphabet Series	1	10-Jul-17
5	Letter Repeating Series	1	12-Jul-17
6	Missing Term In Figure	1	17-Jul-17
7	Mathematical Operation	1	19-Jul-17
8	Direction Sense Test	1	24-Jul-17
9	Sitting Arrangement	1	26-Jul-17
10	Ranking and Ordering	1	31-Jul-17
11	Blood Relation	1	02-Aug-17
12	Puzzle Test	2	08-Aug-17
13	Venn Diagram	1	16-Aug-17
14	Syllogism	1	18-Aug-17
15	Analogy And Classification	1	21-Aug-17
16	Pyramid Test	1	23-Aug-17
17	Calendar Test	1	04-Sep-17
18	Dice Test	1	06-Sep-17
19	Cube Test, Clock Test	2	11-Sep-17
20	Non Verbal	2	02-Oct-17
Total		24	

PHYSICS			
S.No.	Topic Name	No. of Classes	Topic Start Date
1	Electricity	12	26-Jun-17
2	Magnetism	8	17-Jul-17
3	Sources of Energy	5	09-Aug-17
4	Nuclear Physics	6	23-Aug-17
5	Light	29	18-Sep-17
Total		60	06-Sep-17

School Examination Preparatory (SEP) Sheet: Schedule

S.No.	Solve Date	Check Date	Test Syllabus					
			Physics	Chemistry	Mathematics	Biology	English	Social Science
1	26/6 to 8/7	31/7 to 5/8			Real Numbers	Nutrition	Tense	Power Sharing
2	10/7 to 15/7	21/8 to 26/8		Chemical Reactions and Equations	Polynomials	Respiration	Conditionals + Two Gentlemen of Verona	Resources and Development + Development
3	17/7 to 22/7	31/7 to 5/8	Electricity		Pair of Linear Equations in two Variables	Transportation	The frog and the nightingale + SVA + The Mirror	The Age of Industrialisation + Federalism + The Making of a Global World
4	24/7 to 5/8	21/8 to 26/8			Introduction to Trigonometry	Excretion	Mrs. Packletide's Tiger + Reported speech + Modals	Sectors of Indian Economy + Forest & Wild Life Resources
5	31/7 to 26/8	9/10 to 14/10	Magnetism	Acids, Bases and Salts	Triangles	Control and Co-ordination	Determiners + Not Marble nor the Gilded Monuments	Work, Life and leisure: Cities in The Contemporary World + Democracy & Diversity
6	28/8 to 16/9	4/9 to 9/9	Sources of Energy		Statistics		The dear departed + Novel	Water Resources + Print Culture and the Modern World + Agriculture
7	18/9 to 02/10	9/10 to 14/10	Nuclear Physics	Metals & Nonmetals	Quadratic Equations	Reproduction	Letter /story/article writing + Dialogue completion + editing + omission + newspaper headlines + Prepositions	Gender, Religion and Caste + Novel Society & History + Minerals & Energy Resources
8	2/10 to 21/10	30/10 to 4/11			Arithmetic Progressions		Active Passive Voice + Connectors	The Rise of Nationalism in Europe + Money & Credit + Globalisation and the Indian Economy
9	23/10 to 4/11	20/11 to 25/11			Coordinate Geometry		Ozymandias + Rime of the Ancient Mariner	Popular Struggles and Movements + Nationalism in India
10	6/11 to 11/11	1/1 to 6/1		Carbon and Its compounds	Some Applications of Trigonometry		Shady plot + Patol babu	Consumer Rights + Lifelines of the National Economy
11	13/11 to 18/11	11/12 to 16/12			Circles			Manufacturing Industries
12	20/11 to 25/11	1/1 to 6/1			Area Related to Circles	Heredity and Evolution		
13	26/11 to 16/12	22/1 to 27/1	Light		Surface Area and Volume	Our Environment	Virtually True	Political Parties + Challenges to Democracy
14	18/12 to 6/1	12/2 to 17/2		Periodic table	Probability	Natural Resources and its Management	Julius Caesar + Dialogue completion + Editing + Omission + Newspaper Headlines	Outcomes of Democracy
15	8/1 to 20/1	22/1 to 27/1			Constructions		Snake + Novel	

Academic Planning & Test Grid

Periodic Type & No.	P.T. Date	Test Type	NTSE Pattern Part Test (NPT), NTSE Pattern Cumulative Test (NCT), School Exam Preparatory Pattern Test (SEP) Syllabus and Result Communication					Testing Hours	Tentative Result	Final Result		
			Physics	Chemistry	Mathematics	Biology	Social Science				English	Mental Ability
NPT-1	09.07.17	Objective	Electricity (up to Electric Potential)	Chemical reactions and equations (up to Balancing of equations)	Real Numbers	Nutrition (up to Photosynthesis-Light reaction)	Power Sharing, Resources and Development	English Tense, conditionals	Alphabet Test, Coding-Decoding	3	13.07.17	17.07.17
NCT-1	30.07.17	Objective	Electricity	Chemical reactions and equations: Acids, Bases and Salts (up to Classification of acids and bases)	Real Numbers, Polynomials, Pair of Linear Equations in two variables	Nutrition, Respiration (up to Structure of human respiratory system)	Power Sharing, Resources and Development, The Age of Industrialisation, Development ,Federalism, Sectors of Indian Economy	Tense, conditionals, The frog and the nightingale, Two gentlemen of verona, SVA	Alphabet Test, Coding-Decoding, Number Series, Alphabet Series, Letter Repeating Series, Missing Term In Figure	3	03.08.17	07.08.17
NPT-2	20.08.17	Objective	Magnetism	Acids, Bases and Salts	Introduction to Trigonometry, Triangles (up to Criteria for Similarity of triangles)	Respiration, Transportation	The Making of a Global World, Forest as Wild Life Resources, Water, Life and Resources: Conservation and Contemporary World, Water Resources	Mrs. Peckleide's tiger, The Mirror, Reported speech, Determiners, Modals	Mathematical Operation, Direction Sense test, Sitting Arrangement, Ranking and Ordering, Blood Relation	3	24.08.17	28.08.17

MT

Subjective

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

12

19.09.17 23.09.17

Periodic Type & No.	P.T. Date	Test Type	Physics	Chemistry	Mathematics	Biology	Social Science	English	Mental Ability	Testing Hours	Tentative Result	Final Result
NCT-2	29.10.17	Objective	Light (till Lateral Inversion)	Metals & Nonmetals (from Extraction of metal from Concentrated ore- Calcination), Carbon and Its Compounds (till Carbon-Introduction of organic Chemistry, Vital Force Theory, Wohler's Synthesis)	Quadratic Equations	Control and co-ordination (Nervous System), Reproduction (till Sexual reproduction in plants)	The Rise of Nationalism in Europe, Minerals & Energy Resources	Active passive voice + comprehension	Pyramid Test, Calendar Test, Dice Test, Cube test	3	25.11.17	28.11.17
Special SEP	12.11.17	Objective	Electricity, Magnetism, Sources of Energy, Nuclear Physics	Chemical reactions and equations, Acids, Bases and Salts, Metals & nonmetals, Carbon and its compounds (up to Hydrocarbon, Homologous series)	Real Numbers, Polynomials, Pair of Linear Equations in two variables, Introduction to Trigonometry, Triangles, Statistics, Quadratic Equations	Nutrition, Respiration, Transportation, Excretion, Control and co-ordination, Reproduction (up to Sexual reproduction in human being-female reproductive system)	Power Sharing, Resources and Development, The Age of Industrialisation, Development, Foresters, Sources of Wild Life Resources, Water, Life and Resources: Conservation and Contemporary World, Gender, Physical Culture and the Modern World, Gender, Religion and Culture, Agriculture, Handicrafts & History, Handicrafts, Industrialisation in Europe, Minerals & Energy Resources			3	02.11.17	06.11.17
SEP-1	10.12.17	Subjective (Main & SST)	NA	NA	Arithmetic Progressions, coordinate Geometry, Applications of trigonometry	NA	Popular Struggles and movements, Globalisation and Nationalism in India	NA	NA	3	23.12.17	26.12.17
SEP-1	07.01.18	Subjective (i.e. & Eng)	Light (till Human Eye)	Carbon and its compounds	NA	Reproduction, Heredity and evolution (till Neo-darwinism, Genetic variation)	NA	Ozymandias + The rime of the ancient mariner + Shady plot	NA	3	20.01.18	23.01.18

MT

Subjective

Major Test Dates: 2nd to 9th February 2018

12

17.02.18 21.02.18

Date of Reshuffling of Batches: 02.10.2017

Total Testing Hours 45