

Academic Planning & Test Grid

Periodic Test (PT) Type & No.	PT Date	Test Type	Olympiad Pattern Cumulative Test (OCT), School Exam Preparatory Pattern Test (SEPT), Open Test (OT) Syllabus						
			Physics	Chemistry	Mathematics	Biology	Social Science	English	Mental Ability
DPF-1	23.04.17	Objective	Force (Up to Types of force, Contact force)	Synthetic Fibre and Plastics (till koroseal)	Rational Numbers (upto Multiplication)	Crop production and management (till Manures and fertilizers)	How, When and Where, Resources, Types and Development	Reading Comprehension, Noun	Test of alphabets, logical numbers
OCT-1	20.05.18	Objective	Force, Pressure (Some facts involving pressure, Reducing pressure, Atmospheric pressure)	Synthetic Fibre and Plastics (till General characteristic of plastic)	Rational Numbers - Square and square roots (upto division method)	Crop production and management	How, When and Where, Resources, Types and Development, The Indian Constitution Understanding Secularism	Noun, Pronoun, Reading Comprehension	Test of alphabets, logical numbers, Logical alphabets, repeat the letters, magic of figures
SEP-1	08.07.18 (Sc. & Eng)	Subjective	Force, Pressure, Friction	Synthetic fibres & plastics, Metals and Non-Metals (till physical properties of metals)	NA	Crop production and management, Micro organisms friend & foe (till Bacterial diseases)	NA	Notice writing, Message writing, Adjective, Tense, Irregular verbs, Conditionals	NA
SEP-2	22.07.18 (Maths & SST)	Subjective	NA	Synthetic fibres & plastics (From Plastics), Metals and Non-Metals (till chemical properties of non-metals)	Rational Numbers, Square and cube roots, Cubes & cube roots, Linear equation in one variable, Quadrilaterals (Upto Parallelogram)	NA	How, When and Where, Resources, Types and Development, The Indian Constitution, Tribal, Dhus and Natural veg. and Wildlife Resources	NA	NA
DPF-2	12.08.18	Objective	Force (From Non-contact force), Pressure, Friction, Sound (Wave terminology)	Synthetic fibres & plastics (till chemical properties of non-metals)	Squares and square roots, Cubes and cube roots, Linear equation in one variable, Quadrilaterals, Playing with numbers (upto divisibility test)	Crop production and management, Micro organisms friend & foe, Conservation of plants and animals (till Conservation strategies)	Mineral and Power Resource, When people rebel, Why do we need a parliament	Adverb, Active Passive, Conditionals Homonyms (1-33)	Logical alphabets, repeat the letters, magic of figures, operations, secret of the words, journey ends, sequencing, blood sample
OCT-2	02.09.18	Objective	Force, Pressure, Friction & Sound	Synthetic Fibre and Plastics + Metals and Non-Metals (till Uses of non-metals)	Rational numbers, Squares and square root, Cubes and cube roots, Linear equation in one variable, Quadrilaterals, Playing with numbers, Algebraic expressions	Crop production and management, Micro organisms friend & foe, Conservation of plants and animals,	How, When and Where, Resources, Types & Development, Trade and Industry, The Country Side, Land, Soil, Water and Natural veg. and Wildlife Resources	Reading Comprehension, Subject verb agreement, Direct and indirect speech, Homophones (34-70)	Test of alphabet s, logical numbers, Logical alphabets, repeat the letters, magic of figures, operations, secret of the words, journey ends, sequencing, blood sample, sit over here

Major Test Dates: 10th to 30th September 2018 - Syllabus (Term -1)

Subjective	Objective	Objective	Objective	Objective	Objective	Objective	Objective	Objective	Objective	
MT-1	OPT-3	14.10.18	Objective	Sound (From Reflection of sound), Electricity (up to Electric Current)	Metals and Non-metals, Coal and Petroleum (till types of natural resources)	Algebraic expressions, Algebraic identities, Exponents and powers	Cellular level of organisation (from microscope to cell wall)	Colonialism, the story of an imperial city, Manufacturing Industries	Phrasal verbs (1-45), Models, Reading Comprehension	Sit over here, unlock the mystery, pictures
	OCT-3	28.10.18	Objective	Force, Pressure, Friction & Sound, Electricity	Coal and Petroleum (till Fossil fuels- coal)	square root, Cubes and cube roots, Linear equation in one variable, Quadrilaterals, Playing with numbers, Exponents and power, Percentage and its application (upto profit and loss)	Crop production and management, Micro organisms friend & foe, Conservation of plants and animals, Mitochondria	Manufacturing Industries, Weavers, Iron and factory owners	Synonyms and Antonyms (1-50), Irregular verbs, One word substitution, Tenses	Test of alphabets, logical numbers, Logical alphabets, repeat the letters, magic of figures, operations, secret of the words, journey ends, sequencing, blood sample, sit over here, unlock the mystery, pictures, throw it
	SEP-3	25.11.18	Subjective (Sc. & Eng)	Sound, Electricity, Light (Upto Reflection of light, Regular and Irregular Reflection)	Coal and Petroleum (till Refining of Petroleum)	NA	Micro organisms friend & foe, Conservation of plants and animals	Judiciary, Civilizing the Native educating the nation, Women, caste and social reforms	Article Writing, Letter Writing, Diary Writing, Speech Writing, Report Writing, Models, Reading Comprehension	NA
	SEP-4	09.12.18	Subjective (Maths & SST)	NA	NA	Construction of quadrilaterals, Playing with numbers, Algebraic identities, Algebraic expressions, Algebraic identities, Exponents and power, Percentage and its application, Compound Interest, Direct and inverse variation	NA	NA	NA	NA
	DPF-4	13.01.19	Objective	Force, Pressure, Friction, Sound	Synthetic Fibre and Plastics, Metals and Non - Metals	Rational numbers, Squares and square root, Cubes and cube roots, Linear equation in one variable, Quadrilaterals, Construction of quadrilaterals, Playing with numbers, Algebraic expressions, Algebraic Identities	Crop production and management, Micro organisms friend & foe, Conservation of plants and animals	NA	NA	Test of alphabet s, logical numbers, Logical alphabets, repeat the letters, magic of figures, operations, secret of the words, journey ends, sequencing, blood sample
	OT-1	27.01.19	Objective	Electricity, Light, Earthquakes, Rain thunder & lightning, The night sky	Coal and petroleum, Combustion & Flame	Exponents and power, Percentage and its application, Compound interest, Direct and inverse variation, Visualising Solid Shapes, Mensuration, Introduction to graph, Data handling, Probability	Cellular level of organisation, Reproduction, Pollution of air and water, reaching the age of adolescence.	NA	NA	sit over here, unlock the mystery, pictures, throw it, date & time, compare & out, figure situation, mixture
	OT-2	03.02.19	Objective	Full Syllabus	Full Syllabus	Full syllabus	Full syllabus	NA	NA	Full Syllabus

Major Test Dates: 20th February to 10th March 2019 - Syllabus (Term -2)

Subjective	Objective
MT-2	

Date of Reshuffling of Batches: 25.06.2018 | 01.10.2018



Pre-foundation Career Care Programmes (PCCP) Division

COURSE PLANNER

For Students of **CLASS-VIII**

REGULAR PROGRAM | Academic Session: 2018-2019



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: 04-04-2018 | Course Ends: 16.02.2019

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 2018-19. 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: 448
- ♦ Duration of one lecture: 55 minutes
- ♦ Total Duration of Classroom Teaching: 410 hrs
- ♦ Total Duration of Testing: 42 hrs
- ♦ Total Academic Hours: 452 hrs

HOLIDAYS / VACATIONS

1. Resonance Foundation Day: 11th April 2018 | 2. Summer Break: 4th to 16th June 2018 |
3. Independence Day: 15th August, 2018 | 4. Raksha Bandhan: 26th August, 2018 | 5. Anant Chaturdashi: 23rd September, 2018 | 6. Dussehra: 19th October, 2018 | 7. Deepawali Holidays: 04th to 11th November, 2018 | 8. Winter Break: 23rd to 31st December, 2018 | 9. Makar Sankranti: 14th January 2019 | 10. Republic Day: 26th January, 2019: (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: 26th May, 2018 | 01st September, 2018 | 01st December, 2018 | 02nd February, 2019

CALL: 0744-6635569 | SMS: RESO PCCP at 56677

PCCP Head Office: CG TOWER-2, Plot No. A-51 (A), IPIA, Behind City Mall, Jhalawar Road, Kota (Raj.)-324005

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SUBJECT WISE SYLLABUS PLAN

ENGLISH

S.No.	Topic Name	No. of Classes
1.	Noun	3
2.	Pronoun	2
3.	" Notice Writing, Message Writing"	1
4.	Reading Comprehension	1
5.	Tense	3
6.	Conditionals	2
7.	Adjective	2
8.	Irregular Verbs	1
9.	Adverb	2
10.	Homophones, Homonyms	1
11.	One Word Substitution	1
12.	Active and Passive Voice	3
13.	Direct and Indirect Speech	3
14.	Subject Verb Agreement	2
15.	Modals	2
16.	Phrasal Verbs	1
17.	Letter Writing, Story Writing	1
18.	Speech Writing, Report Writing	1
19.	Synonyms and Antonyms	2
20.	Diary Writing	1
21.	Article Writing	1
22.	Determiners	2
23.	Idioms and Phrases	2
24.	Spoken English Activity	1
25.	Preposition	3
26.	Spoken English Activity	1
27.	Conjunction	3
28.	Revision	6
Total		54

PHYSICS

S.No.	Topic Name	No. of Classes
1.	Force	8
2.	Pressure	6
3.	Friction	6
4.	Sound	10
5.	Electricity	12
6.	Light	14
7.	Earthquakes	2
8.	" Rain, Thunder and Lightning"	2
9.	The Night Sky	5
Total		65

SOCIAL SCIENCE

S.No.	Topic Name	No. of Classes
1.	How, When and Where	2
2.	"Resources, Types and Development "	2
3.	The Indian Constitution	3
4.	" Understanding Secularism"	2
5.	From Trade to Territory	4
6.	Ruling the Country Side	2
7.	Tribal, Dikus and the Vision of a Golden Age	2
8.	Land, Soil, Water and Natural Vegetation and Wildlife Resources	4
9.	Mineral and Power Resource	3
10.	When People Rebel	3
11.	Why do We Need a Parliament	3
12.	Agriculture	3
13.	Colonialism & the Story of an Imperial City	2
14.	Map Work	3
15.	Manufacturing Industries	3
16.	"Weavers, Iron Smelters and Factory Owners "	3
17.	Understanding Laws	3
18.	Civilizing the Native Educating the Nation	2
19.	Judiciary	2
20.	Women, Caste and Social Reforms	2
21.	Understanding Our Criminal Justice System	2
22.	Human Resources	2
23.	Understanding and Tackling Marginalisation	3
24.	The Changing World of Visual Arts	2
25.	"The Indian National Movement-I"	4
26.	Water and the People of Chennai	1
27.	The Indian National Movement-II	5
28.	Law and Social Justice	1
29.	Map Work	3
30.	Revision	2
Total		78

BIOLOGY

S.No.	Topic Name	No. of Classes
1.	Crop Production and Management	10
2.	Micro Organisms Friend & Foe	12
3.	Conservation of Plants and Animals	11
4.	Cellular Level of Organisation	14
5.	Reproduction in Animals	8
6.	Pollution of Air and Water	4
7.	Reaching the Age of Adolescence	8
Total		67

MATHEMATICS

S.No.	Topic Name	No. of Classes
1.	Rational Numbers	8
2.	"Squares & Square Roots"	9
3.	Cubes and Cube Roots	5
4.	Linear Equation in One Variable	6
5.	Quadrilaterals	8
6.	Construction of Quadrilaterals	3
7.	Playing with Numbers	6
8.	Algebraic Expressions, Algebraic Identities	11
9.	Exponents and Power	4
10.	Percentage and its Application	7
11.	Compound Interest	4
12.	Direct and Inverse Variation	8
13.	Visualising Solid Shapes	5
14.	Mensuration	6
15.	Introduction to Graph	4
16.	Data Handling	3
17.	Probability	7
18.	Revision	3
Total		107

MENTAL ABILITY

S.No.	Topic Name	No. of Classes
1.	Test of Alphabets	2
2.	Logical Numbers	2
3.	Repeat the Letters	1
4.	Magic of Figures	1
5.	Operations	2
6.	Secret of the Words	2
7.	Journey Ends	1
8.	Sequencing	2
9.	Blood Sample	2
10.	Sit Over Here	2
11.	Unlock the Mystery	2
12.	Pictures	1
13.	Throw it	1
14.	Date and Time	2
15.	Compare & Out	1
16.	Figure Situation	2
17.	Mixture	1
Total		27

CHEMISTRY

S.No.	Topic Name	No. of Classes
1.	Synthetic Fibre and Plastics	12
2.	Metals and Non - Metals	15
3.	Coal and Petroleum	11
4.	Combustion and Flame	12
Total		50

School Examination Preparatory (SEP) Sheet: Schedule

S.No.	Solve Date	Check Date	Test Syllabus					
			Physics	Chemistry	Mathematics	Biology	English	Social Science
1	2/4 to 21/4	23/4 to 28/4			Rational Numbers		Noun, " Notice Writing,	How, When and Where
2	23/4 to 19/5	21/5 to 26/5	Force		squares and square roots	Crop production & Management	Message Writing"	Resources, Types and Development + From Trade to Territory
3	21/5 to 2/6	25/6 to 30/6	Pressure		Cube and cube roots		Pronoun, Reading Comprehension	The Indian Constitution & Understanding Secularism + Ruling the Country Side & Tribal, Dikus and the vision of a Golden age
4	4/6 to 30/6	30/7 to 4/8	Friction	Synthetic Fibre and Plastics	Linear equation in one variable	Micro organism friends & foe	Tense, Adjective	Land, Soil, Water and Natural veg. and Wildlife Resources
5	2/7 to 21/7	3/9 to 8/9			quadrilateral		Conditionals, Irregular Verbs	Mineral and Power Resource
6	23/7 to 28/7	30/7 to 4/8	Sound		Construction		Adverb, Homophones, Homonyms,	When people rebel + Agriculture
7	30/7 to 11/8	3/9 to 8/9		Metals and Non - Metals	playing with numbers	Conservation of Plants & Animals	One Word Substitution	Why do we need a parliament + Colonialism & the story of an imperial city
8	13/8 to 25/8	15/10 to 20/10			Algebraic expression		Active and Passive Voice,	
9	27/8 to 8/9	3/9 to 8/9			Algebraic Identities		Subject Verb Agreement	Manufacturing Industries
10	10/9 to 13/10	15/10 to 20/10	Electricity		Exponents and power		Direct and Indirect Speech,	Weavers, Iron smelters and factory owners+ Civilising the Native, Educating the nation
11	15/10 to 27/10	3/12 to 8/12		Coal and Petroleum	Percentage and its application	Cellular level of Organization	Modals, Phrasal Verbs	Understanding Laws + Judiciary + Understanding our Criminal justice system
12	29/10 to 3/11	24/12 to 29/12			Compound Interest		Letter Writing, Story Writing,	Women, Caste and Social Reforms+ Human Resources+ The Changing world of Visual Arts
13	5/11 to 1/12	3/12 to 8/12	Light		Direct and inverse variation	Reproduction In animals	Speech Writing, Report Writing	Understanding Marginalisation + Confronting Marginalisation
14	3/12 to 15/12	24/12 to 29/12			Visualising Solid Shape		Synonyms and Antonyms,	
15	17/12 to 5/1	21/1 to 26/1	Earthquakes		Mensuration	Pollution of air and water	Article Writing	
16	7/1 to 12/1	4/2 to 9/2	Rain, Thunder and lightning		Introduction to graph		Diary Writing, Determiners	
17	14/1 to 19/1	21/1 to 26/1			Data Handling		Idioms and Phrases, Preposition	The Indian National Movement-I + The Indian National Movement-II
18	21/1 to 9/2	4/2 to 9/2	Night Sky	Combustion and Flame	Probability	Reaching the age of adolescence	Conjunction	Water and the people of Chennai + Law and Social Justice