

Academic Planning & Test Grid

Periodic Test Type and No.	PT Date	Test Type	Physics	Chemistry	Mathematics	Biology	Social Science	English	Mental Ability
OPT-1 (2 Hr)	28.04.19	Objective	Force (Up to types of force, Contact force)	Synthetic Fibre and Plastics (up to koroseal)	Rational Numbers (upto Multiplication)	Crop Production and Management (up to Manures and fertilizers)	How, When and Where Resources, Types and Development	Noun, Reading Comprehension	Test of Alphabets, Logical Numbers
OCT-1 (2 Hr)	19.05.19	Objective	Force, Pressure (Some facts involving pressure, Reducing pressure, Atmospheric pressure)	Synthetic Fibre and Plastics (up to General characteristic of plastic)	Rational Numbers Square and Square Roots (upto division method)	Crop Production and Management, Micro Organisms friend & foe (up to Bacterial diseases)	How, When and Where Resources, Types and Development, The Indian Constitution, Understanding Secularism	Noun, Reading Comprehension, Pronoun, Tense, Voice writing, Message writing, Conditionals, Irregular verbs (1 to 25).	Test of Alphabets, Logical Numbers, Logical Alphabets, Repeat the Letters, Magic of Figures
SEP-1 (3 Hr)	07.07.19	Subjective (Sc. & Eng)	Force, Pressure, Friction	Synthetic Fibres & Plastics, Metals and Non-Metals (up to physical properties of metals)	NA	NA	NA	NA	NA
SEP-2 (3 Hr)	21.07.19	Subjective (Maths & SST)	NA	NA	NA	NA	How, When and Where Resources, Types and Development, The Indian Constitution, Ruling the Country, Side, Land, Soil, Water and Natural Resources	NA	NA
OPT-2 (2 Hr)	11.08.19	Objective	Force (From Non-Contact force), Pressure, Friction, Sound (up to Wave terminology)	Synthetic Fibres & Plastics (From Plastics), Metals and Non-Metals (up to chemical properties of non-metals)	Squares and Square Roots, Cubes and Cube Roots, Linear Equation in one Variable, Quadrilaterals (Upto Parallelogram)	Crop Production and Management, Micro Organisms friend & foe (up to Conservation strategies)	The Indian Constitution, Understanding Secularism, From Trade to Territory, Ruling the Country, Side, Land, Soil, Water and Natural Resources, Mineral and Power Resource, When people rebel, Why do we need a parliament, Agriculture, Colonialism & the story of an imperial city	Adjective, Adverb, One word Substitution (1-20), Active Passive Voice	Logical Alphabets, Repeat the Letters, Magic of Figures, Operators, Secret of the Words, Journey ends, Sequencing, Blood sample
OCT-2 (2 Hr)	01.09.19	Objective	Force, Pressure, Friction, Sound	Synthetic Fibres and Plastics, Metals and Non-Metals (up to Uses of non-metals)	Rational Numbers, Squares and Square Root, 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	Resources, Types and Development, Tribal, Dikus and the Vision of a Golden age, Mineral and Power Resource, When people rebel, Why do we need a parliament, Agriculture, Colonialism & the story of an imperial city	Reading Comprehension, Adjective, Adverb, Active Passive Voice, Direct and Indirect Speech, Subject Verb Agreement,	Test of Alphabets, Logical Numbers, Logical Alphabets, Repeat the Letters, Magic of Figures, Operators, Secret of the Words, Journey ends, Sequencing, Blood sample, Sit over here
Major Test Dates: 9th to 21st Sep 2019									
MT-1		Subjective							
OPT-3 (2 Hr)	20.10.19	Objective	Sound (From Reflection of sound), Electricity (up to Electric Current)	Metals and Non-metals, Coal and Petroleum (up to types of natural resources)	Algebraic Expressions - Algebraic Identities, Exponents and Powers	Conservation of Plant and Animals (From Biosphere reserve to migration), Cellular Level of Organisation (from microscope to Cyttoplasm)	Colonialism, The story of an imperial city, Manufacturing Industries, Weavers, Iron smelters and factory owners	Reading Comprehension, Modals, Antonyms (1-50)	Sit over here, Unlock the mystery, Pictures
OCT-3 (2 Hr)	10.11.19	Objective	Force, Pressure, Friction, Sound, Electricity	Metals and Non - Metals, Coal and Petroleum (up to Fossil fuels-coal)	Rational Numbers, Squares and Square Root, Cubes and Cube Roots, Linear Equation in one Variable, Quadrilaterals, Playing with Numbers, Algebraic Expressions, Algebraic Identities, Exponents and Power, Percentage and its application	Crop Production and Management, Micro Organisms friend & foe, Conservation of Plants and Animals, Cellular Level of Organisation (up to Vacuole)	Understanding Laws, Civilizing the Native, Educating the Nation, Judiciary	Tenses, Irregular Verbs (1 to 50), One Word Substitution (1 to 50), Synonyms and Antonyms(1-50)	Test of Alphabets, Logical Numbers, Logical Alphabets, Repeat the Letters, Magic of Figures, Operators, Secret of the Words, Journey ends, Sequencing, Blood sample, Sit over here, Unlock the mystery, Pictures, Throw it
SEP-3 (3 Hr)	24.11.19	Subjective (Sc. & Eng)	Sound, Electricity, Light (Upto Reflection of light, Regular and Irregular Reflection)	Coal and Petroleum (up to Refining of Petroleum)	NA	Micro Organisms friend & foe (from viral diseases), Conservation of Plants and Animals, Cellular Level of Organisation	NA	Reading Comprehension, Active passive Voice, Subject Verb Agreement, Modals, Synonyms and Antonyms (50-75), Letter and Story Writing,	NA
SEP-4 (3 Hr)	08.12.19	Subjective (Maths & SST)	NA	NA	Construction of Quadrilaterals, Playing with Numbers - Algebraic Expressions - Algebraic Identities, Exponents and Power, Percentage and its application	NA	Manufacturing Industries, Judiciary/Civilizing the Native, Educating the Nation, Women, Caste and Social Reforms	NA	NA
OPT-4 (2 Hr)	12.01.20	Objective	Electricity (from Electrical conductivity), Light	Coal and Petroleum (from Fossil fuels-Coal), Combustion and Flame (up to Spherical flame)	Percentage and its application, Compound Interest, Direct and Inverse Variation, Visualising Solid Shapes, Mensuration	Reproduction in Animals, Pollution of Air and Water	Women, Caste and Social Reforms, Understanding our Criminal Justice System, Human Resources, Understanding and tackling Marginalisation	Reading Comprehension, Determiners, Idioms(1-50), Prepositions	Throw it, Date & Time, Compare & out, Figure situation, Mixture
OT-1 (2 Hr)	02.02.20	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 in Animals, 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 (2 Hr)	09.02.20	Objective	Force, Pressure, Friction, Sound, Electricity, Light, Earthquakes, Rain Thunder & Lightning, The night sky	Synthetic Fibre and Plastics, Metals and Non - Metals, Coal and Petroleum, Combustion & Flame	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, Exponents and Power, Percentage and its application, Compound Interest, Direct and Inverse Variation, Visualising Solid Shapes, Mensuration, Introduction to graph, Data Handling, Probability	Crop Production and Management, Micro Organisms friend & foe, Conservation of Plants and Animals, Cellular Level of Organisation, Reproduction, Pollution of Air and Water, Reaching the age of adolescence.	NA	NA	Test of Alphabets, Logical Numbers, Logical Alphabets, Repeat the Letters, Magic of Figures, Operators, Secret of the Words, Journey ends, Sequencing, Blood sample, Sit over here, Unlock the mystery, Pictures, Throw it, Date & Time, Compare & out, Figure situation, Mixture
MT-2		Subjective							

Major Test Dates: 9th to 21st Sep 2019
Date of Reshuffling of Batches : 17.06.2019 | 30.09.2019
Major Test Dates: 10th to 18th Feb 2020



Resonance®
Educating for better tomorrow
Pre-foundation Career Care Programmes (PCCP) Division

COURSE PLANNER

CLASS
8

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.

REGULAR PROGRAM ▶ Academic Session: 2019-2020
Course Commencement: 01.04.2019 | Course Ends: 18.02.2020

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 2019-20. 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:** 464
- ♦ **Duration of one lecture:** 55 minutes
- ♦ **Total Duration of Classroom Teaching:** 425 hrs
- ♦ **Total Duration of Testing:** 54 hrs
- ♦ **Total Academic Hours:** 479 hrs

HOLIDAYS / VACATIONS

- 1. Resonance Foundation Day:** 11th April 2019 | **2. Summer Break:** 3rd to 16th June 2019 | **3. Independence Day:** 15th August, 2019 | **4. Raksha Bandhan:** 15th August, 2019 | **5. Anant Chaturdashi:** 12th September, 2019 | **6. Dussehra:** 8th October, 2019 | **7. Deepawali Holidays:** 24th to 30th October, 2019 | **8. Winter Break:** 23rd to 31st December, 2019 | **9. Makar Sankranti:** 14th January 2020 | **10. Republic Day:** 26th January, 2020. (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: 25th May, 2019 | 07th September, 2019 | 07th December, 2019 | 01st February, 2020

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SUBJECT WISE SYLLABUS PLAN

ENGLISH

S.No.	Topic Name	No. of Classes
1.	Noun	3
2.	Reading Comprehension	2
3.	" Notice Writing, Message Writing"	1
4.	Pronoun	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	4
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	2
24.	Spoken English Activity	1
25.	Preposition	3
26.	Spoken English Activity	1
27.	Conjunction	3
28.	Revision	7
Total		56

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	13
7.	Earthquakes	4
8.	" Rain, Thunder and Lightning"	2
9.	The Night Sky	7
Total		68

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	3
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	4
15.	Manufacturing Industries	3
16.	"Weavers, Iron Smelters and Factory Owners "	2
17.	Understanding Laws	2
18.	Civilizing the Native Educating the Nation	3
19.	Judiciary	2
20.	Women, Caste and Social Reforms	3
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	2
29.	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	10
Total		69

MATHEMATICS

S.No.	Topic Name	No. of Classes
1.	Rational Numbers	8
2.	"Squares & Square Roots"	9
3.	Cubes and Cube Roots	6
4.	Linear Equation in One Variable	6
5.	Quadrilaterals	8
6.	Construction of Quadrilaterals	3
7.	Playing with Numbers	5
8.	Algebraic Expressions	7
9.	Algebraic Identities	6
10.	Exponents and Power	3
11.	Percentage and its Application	8
12.	Compound Interest	4
13.	Direct and Inverse Variation	9
14.	Visualising Solid Shapes	3
15.	Mensuration	6
16.	Introduction to Graph	5
17.	Data Handling	3
18.	Probability	6
19.	Revision	5
Total		110

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	14
Total		52

School Examination Preparatory (SEP) Sheet: Schedule

S.No.	Solve Date	Check Date	Test Syllabus					
			Physics	Chemistry	Mathematics	Biology	English	Social Science
1	1/4 to 20/4	22/4 to 27/4			Rational Numbers		Noun, " Notice Writing,	How, When and Where
2	22/4 to 18/5	20/5 to 25/5	Force		squares and square roots	Crop production & Management	Message Writing"	Resources, Types and Development + From Trade to Territory
3	20/5 to 1/6	24/6 to 29/6	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	3/6 to 29/6	29/7 to 3/8	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	1/7 to 20/7	2/9 to 7/9			quadrilateral		Conditionals, Irregular Verbs	Mineral and Power Resource
6	22/7 to 27/7	29/7 to 3/8	Sound		Construction		Adverb, Homophones, Homonyms,	When people rebel + Agriculture
7	29/7 to 10/8	2/9 to 7/9		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	12/8 to 24/8	14/10 to 19/10			Algebraic expression		Active and Passive Voice,	
9	26/8 to 7/9	2/9 to 7/9			Algebraic Identities		Subject Verb Agreement	Manufacturing Industries
10	9/9 to 12/10	14/10 to 19/10	Electricity		Exponents and power		Direct and Indirect Speech,	Weavers, Iron smelters and factory owners+ Civilizing the Native, Educating the nation
11	14/10 to 26/10	2/12 to 7/12		Coal and Petroleum	Percentage and its application	Cellular level of Organization	Modals, Phrasal Verbs	Understanding Laws + Judiciary + Understanding our Criminal justice system
12	28/10 to 2/11	23/12 to 28/12			Compound Interest		Letter Writing, Story Writing,	Women, Caste and Social Reforms+ Human Resources+ The Changing world of Visual Arts
13	4/11 to 30/11	2/12 to 7/12	Light		Direct and inverse variation	Reproduction In animals	Speech Writing, Report Writing	Understanding Marginalisation + Confronting Marginalisation
14	2/12 to 14/12	23/12 to 28/12			Visualising Solid Shape		Synonyms and Antonyms,	
15	16/12 to 4/1	20/1 to 25/1	Earthquakes		Mensuration	Pollution of air and water	Article Writing	
16	6/1 to 11/1	3/2 to 8/2	Rain, Thunder and lightning		Introduction to graph		Diary Writing, Determiners	
17	13/1 to 18/1	20/1 to 25/1			Data Handling		Idioms and Phrases, Preposition	The Indian National Movement-I + The Indian National Movement-II
18	20/1 to 8/2	3/2 to 8/2	Night Sky	Combustion and Flame	Probability	Reaching the age of adolescence	Conjunction	Water and the people of Chennai + Law and Social Justice