

Academic Planning & Test Grid

| Periodic Test (PT) Type & No. | PT Date | Test Type | Olympiad Pattern Cumulative Test (OPT), Olympiad Pattern Preparatory Pattern Test (SPP), Open Test (OT) Syllabus | | | | | Mental Ability | |
|-------------------------------|------------------------|------------|--|---|---|---|--|---|--|
| | | | Physics | Chemistry | Mathematics | Biology | Social Science | | English |
| OPT-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 |
| OPT-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 Understanding Secularism, Tribal, Dhus and Natural veg. and Wildlife Resources | NA | NA |
| OPT-2 | 12.08.18 | Objective | Force (From Non-contact force), Pressure, Friction, Sound (Wave terminology) | Synthetic fibres and Plastics + Metals and Non-Metals (till Uses 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 |
| OPT-2 | 02.09.18 | Objective | Force, Pressure, Friction & Sound | Coal and Petroleum (till Refining of Petroleum) | 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 Barter, The Country Side, Land, Soil, Water and Natural Resources, The Indian Constitution, Agriculture, Colonialism, the story of an imperial city | 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)

| Test Type | Subject | Physics | Chemistry | Mathematics | Biology | Social Science | English | Mental Ability |
|-----------|----------|--------------------------|---|---|--|--|---|---|
| OPT-3 | 14.10.18 | Objective | 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), Modals, Reading Comprehension | Sit over here, unlock the mystery, pictures |
| OPT-3 | 28.10.18 | Objective | 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) | Coal and Petroleum (till Refining of Petroleum) | NA | Micro organisms friend & foe, Conservation of plants and animals | NA | Article Writing, Letter Writing, Diary Writing, Speech Writing, Report Writing, Models, Reading Comprehension | NA |
| SEP-4 | 09.12.18 | Subjective (Maths & SST) | NA | Construction of quadrilaterals, Playing with numbers, Algebraic identities, Exponents and power, Percentage and its application, Compound Interest, Direct and inverse variation | NA | Judiciary, Civilizing the Nation, caste and social reforms | NA | NA |
| OPT-4 | 13.01.19 | Objective | 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 | 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 | NA | NA | Full Syllabus |

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

| Test Type | Subject | Physics | Chemistry | Mathematics | Biology | Social Science | English | Mental Ability |
|-----------|------------|---------------|---------------|---------------|---------------|----------------|---------|----------------|
| MT-2 | Subjective | Full Syllabus | Full Syllabus | Full syllabus | Full syllabus | NA | NA | Full Syllabus |

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: 02.04.2018 | 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: 10th to 24th 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

E-mail: pccp@resonance.ac.in | Website: www.pccp.resonance.ac.in

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 |