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| S.NO | DATES | PERIOD | MATHS | PHYSICS | CHEM | BIO | MAT |
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|  |  |  | Bridge Course |  |  |  |  |
| 1 | $\begin{aligned} & \text { 17-04-2017- } \\ & \text { 23-04-2017 } \end{aligned}$ | P1 | Algebraic expressions. Addition and subtraction of algebraic expression. | Physical quantity and their units, system of units, conversion of units. | BASICS OF CHEMISTRY: Introduction, Branch of chemistry, language of chemistry | Human health and Types of diseases |  |
|  |  | P2 | Multiplication and division of Algebraic expressions. | Meaning of magnitude and its representation. | Symbols, significance of a symbol, (quantitative significance, qualitative significance), valency, ions. |  |  |
| 2 | $\begin{aligned} & 24-04-2017- \\ & 30-04-2017 \end{aligned}$ | P1 | Algebraic identities, Square identities. | Units and Dimensions. | STRUCTURE OF ATOM: Introduction to subatomic particles. | Deficiency and communicable diseases. |  |
|  |  | P2 | Laws of exponents. | Mathematical tools Trigonometric ratios, | Arrangement of subatomic particles in an atom. |  |  |


| CPT 1 (30-04-2017) - 50\% from WEEK SI. No. 1 to 2 and $50 \%$ from Previous Class- VIII, Syllabus |  |  |  |  |  |  |  |
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| 3 | $\begin{aligned} & \text { 01-05-2017- } \\ & 07-05-2017 \end{aligned}$ | P1 | Linear equation in one variable. | Trigonometric ratios and Identities. | METALS AND NON-METALS: Physical properties of metals and non-metals. | Reproduction in plants. (Double fertilization ) |  |
|  |  | P2 | Problems based on linear equation in one variable. | Scalars \& vectors - definitions, addition/subtraction of vectors (basics only). | Chemical Properties of metals and non-metals. |  |  |
| 4 | $\begin{gathered} \text { 08-05-2017- } \\ \text { 14-05-2017 } \end{gathered}$ | P1 | Polygons - Types and properties, Triangle. | Resolution of vectors. | PERIODIC TABLE: Need of classification, basis of classification. | Reproduction in animals. |  |
|  |  | P2 | Quadrilateral- Types and Properties. | Dot product of vector. | Periodic properties, valency, metallic and non- metallic character. |  |  |
|  |  |  | CPT 2 (14-05-2017) - 50\% from WEEK SI. No. 1 to 4 and $50 \%$ from Previous Class-VIII, Syllabus |  |  |  |  |
|  |  |  | Main Course |  |  |  |  |
| 5 | $\begin{aligned} & 15-05-2017- \\ & 21-05-2017 \end{aligned}$ | P1 | (Number System) Rational Number, Conversion of Decimal Numbers into | Introduction and Definitions of position, points of reference or reference body, rest ,motion, distance and displacement. | MATTER IN OUR SURROUNDINGS: Introduction, Particle Nature of Matter, How Small Are | Discovery of cell \&Cell theory, Structure of prokaryotic cell. | NUMBER SERIES |

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|  |  |  | Rational numbers and Vice versa. |  | These Particles of Matter? Particle Motion, Inter Particle Attraction. |  |  |
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|  |  | P2 | Irrational Number Representing Rational \& Irrational numbers on the number line. | Speed, average speed, Basic conceptual numerical on Speed and average speed. | Rigid and Fluid, InterConversion of States of Matter, Effects of Temperature on Particle Motion. |  | NUMBER SERIES |
| 6 | $\begin{aligned} & 22-05-2017- \\ & 28-05-2017 \end{aligned}$ | P1 | Rationalization and Rationalizing Factor . | Velocity, average velocity, Acceleration. | States of Matter: The Solid State, The Liquid State, The Gaseous State, Distinction among the three States of Matter. | Structure of eukaryotic cell, Cell membrane, cell wall, osmosis, diffusion. | NUMBER SERIES |
|  |  | P2 | Problems based on Rationalization . | Positive or Negative Acceleration. | Can Matter Change Its State? <br> Effect of Change of <br> Temperature, Scales of Measuring the Temperature. |  | NUMBER SERIES |
| 7 | $\begin{aligned} & 29-05-2017- \\ & 04-06-2017 \end{aligned}$ | P1 | Laws of exponents, surds. | Introduction of Motion, Equation of motion, Basic numerical on Formula base only. | Significance of Melting Point Temperature. Change of Water into Vapors, Difference between Gas and Vapors. | Mitochondria , plastids and Ribosome. | LETTER SERIES |
|  |  | P2 | Problems based on Surds. | Derivation of equation of Motion, (Mathematically). | Significance of boiling point temperature, Effect of decrease in Temperature on the Physical States, Change of state from Solid to Gas \& ViceVersa (Sublimation). |  | LETTER SERIES |
|  |  | CPT 3 (04-06-2017) - 50\% from WEEK SI. No. 5 and 50\% from SI.No. 6 |  |  |  |  |  |
| 8 | $\begin{gathered} 05-06-2017- \\ 11-06-2017 \end{gathered}$ | P1 | Polynomial: in one Variable, Special name of a Polynomial, Degree of a Polynomial. | Practice questions on equations of motion. | Latent Heat, Latent Heat of Vaporization \& Fusion) Effect of Change of Pressure on practical states | ER, Golgi apparatus, Lysosome, sphaerosomes, peroxisomes and vacuoles. | LETTER SERIES |
|  |  | P2 | Remainder theorem, Factor theorem. | Practice questions on equations of motion. <br> Speed- Time, velocity- time, acceleration-time graphs. | Factors affecting Evaporation, Difference between Boiling and Evaporation, Vaporization and its Cooling Effect. |  | LETTER SERIES |
|  |  | CPT 4 - (11-06-2017)-50\% from WEEK SI. No . 6 and 50\% from SI. No. 7 |  |  |  |  |  |
| 9 | 13-06-2017- | P1 | Problems based on remainder \& | Derivation of equation of motion | Two more states of matter, | Nucleus, Cytoskeleton | CLASSIFICATION |

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|  | 18-06-2017 |  | factor theorems. | graphically. | Plasma and Bose-Einstein Condensate(BEC). | (cilia, flagella) ,Centriole. | (WORDS) |
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|  |  | P2 | Factorization of the polynomial. | Practice questions on graphs. | Practice question on Latent Heat, effect of pressure |  | CLASSIFICATION (WORDS) |
|  |  |  | CPT 5-(18-06-2017)-50\% from WEEK SI. No. 7 and 50\% from SI. No. 8 |  |  |  |  |
| 10 | $\begin{aligned} & 19-06-2017- \\ & 25-06-2017 \end{aligned}$ | P1 | Algebraic identities. | Introduction to Circular Motion, different terms related to circular motion . | IS MATTER AROUND US PURE: Introduction, Pure Substances, What are the types of Pure Substances? Elements, Types of Elements, Compounds. Types of Compounds | Difference between plant and animal cell, and between | CLASSIFICATION (NUMBERS) |
|  |  | P2 | Problem on algebraic identities. | Relation between Linear motion and Angular motion. | Characteristics of compound: Impure Substances or Mixtures, Types of Mixtures, Homogenous Mixtures, Heterogeneous Mixtures, Differences between a mixture and a compound. | prokaryotic and eukaryotic cell. Brief idea of cell junctions. | CLASSIFICATION (NUMBERS) |
|  |  | CPT 6 -(25-06-2017) (subjective test-1) from WEEK SI. No. 5 to 9 |  |  |  |  |  |
| 11 | $\begin{aligned} & 26-06-2017- \\ & 02-07-2017 \end{aligned}$ | P1 | Introduction of Coordinate Geometry- <br> Cartesian System, Plotting a point in the Plane, Distance formula, Section formula. | Equations of freely falling body (Motion under gravity). | What is Solution- Examples of Solutions, properties of Solution | Plant Tissues, Meristematic tissue, Simple permanent Tissue. | ANALOGY (LETTERS) |
|  |  | P2 | Mid-point formula, Centroid, Area of a Triangle. | Practice questions on motion under gravity. | Types of solution, Concentration of a Solution, Expressing the Concentration of a Solution. |  | ANALOGY (LETTERS) |
|  |  | CPT 7 - (02-07-2017) 50\% from WEEK SI. No. 9 and 50\% from SI. No. 10 |  |  |  |  |  |
| 12 | $\begin{aligned} & 03-07-2017- \\ & 09-07-2017 \end{aligned}$ | P1 | Euclid's Geometry: Euclid's Definitions, Axioms | Introduction of Force, Kinds of force. | Solubility of a Solute, Effect of Temperature on the Solubility of Salt in Water, Effect of Temperature on Endothermic dissolution process, Effect of Temperature on Exothermic dissolution, Solubility of gas in water | Complex permanent tissue | ANALOGY <br> (LETTERS) |

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|  |  | P2 | Postulates, Equivalent version of Euclid's Fifth postulate | Inertia, Different examples of inertia, Newton's First laws of motion. | Effect of temperature and pressure on solubility of gas, Heterogeneous MixturesSuspensions and Colloidal Solutions, What are Suspensions? What are Colloidal Solutions? |  | ANALOGY (LETTERS) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | CPT-8 -(9-07-2017) 50\% from WEEK SI. No. 10 and 50\% from SI. No. 11 |  |  |  |  |  |
| 13 | $\begin{aligned} & 10-07-2017- \\ & 16-07-2017 \end{aligned}$ | P1 | Lines and Angles: Types of Angles, Intersecting and non intersecting lines, Linear pair of angles. | Momentum, Newton's $2^{\text {nd }}$ law of motion, Derivation of force $=$ mass $x$ acceleration. | Properties of Suspensions and Colloidal Solutions, Types of Colloidal Solutions | Epithelial tissue. | ANALOGY (WORDS) |
|  |  | P2 | Parallel lines and transversal, Lines parallel to the same line. | Practice questions on momentum \& Newton's $2^{\text {nd }}$ law of motion | Applications of Colloidal Solutions. Distinction among Solution, Suspension and colloidal Solution . |  | ANALOGY (WORDS) |
|  |  | CPT 9-(16-07-2017) Subjective test-2 from WEEK SI. No. 9 to 12 |  |  |  |  |  |
| 14 | $\begin{aligned} & \text { 17-07-2017- } \\ & 23-07-2017 \end{aligned}$ | P1 | Angle sum property of triangles. | Newton's $3^{\text {rd }}$ law of motion, Different examples from day to day life. | Separation of mixtures, Techniques for the separation of solid-solid mixtures, Separation of Constituents from a Heterogeneous Mixture | Connective tissue. | DIRECTION SENSE |
|  |  | P2 | Intercept theorem, Polygons | Law's of Conservation of Linear momentum. | Sedimentation followed by Filtration, Magnetic Separation, Separation of Substance Undergoing Sublimation from a Mixture, Separation of two immiscible Liquids. |  | DIRECTION SENSE |
|  |  | CPT 10-(23-07-2017) (subjective test - 3) form WEEK SI. no. 5 to 13 (Mock test for Quarterly exam) |  |  |  |  |  |
| 15 | $\begin{aligned} & 24-07-2017- \\ & 30-07-2017 \end{aligned}$ | P1 | REVISION (DOUBT CLASS) for Quarterly Exam | REVISION (DOUBT CLASS) for Quarterly Exam | REVISION (DOUBT CLASS) for Quarterly Exam | REVISION (DOUBT CLASS) for Quarterly Exam |  |
|  |  | P2 | REVISION (DOUBT CLASS) for Quarterly Exam | REVISION (DOUBT CLASS) for Quarterly Exam | REVISION (DOUBT CLASS) for Quarterly Exam | REVISION (DOUBT CLASS) for Quarterly Exam |  |
| CPT 11 - (30-07-2017) 50\% from WEEK SI. No. 11 and 50\% from SI. No. 12 |  |  |  |  |  |  |  |
| 16 | $\begin{aligned} & 31-07-2017- \\ & 06-08-2017 \end{aligned}$ | P1 | Introduction of triangles: Congruence of triangles. | Recoiling of gun, (numerical). | Distillation, Fractional distillation. | Muscular tissue, | BLOOD RELATION |

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|  |  | P2 | Criteria For Congruence of triangles and congruency rules. | Practice questions on Conservation of Momentum. | Fractional distillation of air | Nervous tissue. | BLOOD RELATION |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | CPT 12 - (06-08-2017) 50\% from WEEK SI. No. 12 and 50\% from SI. No. 13 |  |  |  |  |
| 17 | $\begin{aligned} & 07-08-2017-13-08-2017 \\ & \hline \end{aligned}$ | P1 | Problems based on congruency of triangles. (SSS, SAS) | Drawing FBD of some conceptual problems. | Centrifugation and its uses. | Improvement in crop yield and crop variety. | CODING-DECOING |
|  |  | P2 | Problem based on congruency (AAS, ASA, RHS) | Friction, Causes, advantages, disadvantages of friction, Laws of friction (no inclined plane), Different applications of friction. | Evaporation and its use, Chromatography. |  | CODING-DECOING |
|  |  |  | CPT 13-(13-08-2017) - (PHASE TEST - 1) WEEK SI. No. 5 TO SI. No. 13 |  |  |  |  |
| 18 | $\begin{aligned} & 14-08-2017-20-08-2017 \\ & \hline \end{aligned}$ | P1 | Inequalities of a Triangle: introduction and rules | Introduction of Universal gravitational force, G, its S.I. Unit. | Application of chromatography. | Crop protection management, manure and fertilizer. | ALPHABET SERIES |
|  |  | P2 | Problems based on inequalities of a triangle. | Newton's Law of Universal gravitational force. | Physical and Chemical Changes. |  | ALPHABET SERIES |
|  |  |  | CPT 14-(20-08-2017) 50\% from WEEK SI. No. 16 and 50\% from SI. No. 17 |  |  |  |  |
| 19 | $\begin{aligned} & 21-08-2017- \\ & 27-08-2017 \end{aligned}$ | P1 | Heron's Formula | Relation between G \& g. | Hydrogen <br> Resemblance of Hydrogen with alkali metals and halogen, difference from alkali metals and halogens | Irrigation, Cropping pattern, storage of grains. | NON VERBAL ANALOGY |
|  |  | P2 | Problem based on Heron's formula. | Practice questions on Newton's law of gravitation, formula $\mathrm{g}=\mathrm{G}$ $M / R^{2}$. | Occurrence of hydrogen, isotopes of hydrogen and preparation and properties of hydrogen |  | NON VERBAL ANALOGY |
|  |  |  | CPT 15-(27-08-2017) ) Subjective test -4 from WEEK SI. No.. 16 to 18 |  |  |  |  |
| 20 | $\begin{aligned} & 28-08-2017- \\ & 03-09-2017 \end{aligned}$ | P1 | Linear Equations in two Variables: Graph of linear equation in two variables, equation of lines parallel to $x$ axis and $y$-axis. | Variation of g, due to height | ATOMS AND MOLECULES: Introduction, Laws of chemical combination. | Cattle farming, poultry farm management. | NON VERBAL CLASSIFICATION |
|  |  | P2 | Method of solution of a pair of Linear equations by substitution method. | Variation of g (due to depth). | Law of conservation of mass, Law of constant proportion. |  | NON VERBAL CLASSIFICATION |
|  |  |  | CPT 16 (03-09-2017) from 50\% Of WEEK SI. No. 18 TO 50 \% of SI. No. 19 |  |  |  |  |
| 21 | $\begin{aligned} & 04-09-2017- \\ & 10-09-2017 \end{aligned}$ | P1 | Method of solution of a pair of linear equations by elimination method. | Practice questions on variation of $g$. | Dalton's Atomic Theory | Fish production Bee keeping. | RANKING SERIES |
|  |  | P2 | Problems based on linear | Practice questions on variation | Atoms \& their Symbols, |  | RANKING SERIES |

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|  |  |  | equation in two variables by substitution and elimination methods. | of $g$. | Molecules, Ions \& Radicals. |  |  |
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|  |  |  | CPT 17 (10-09-2017) From 50\% of WEEK SI. No. 19 TO 50 \% of SI. No. 20 |  |  |  |  |
| 22 | 11-09-2017- | P1 | REVISION (DOUBT CLASS) | REVISION (DOUBT CLASS) | REVISION (DOUBT CLASS) | REVISION (DOUBT CLASS) | REVISION (DOUBT CLASS) |
|  | 17-09-2017 | P2 | REVISION (DOUBT CLASS) | REVISION (DOUBT CLASS) | REVISION (DOUBT CLASS) |  |  |
| NO CPT |  |  |  |  |  |  |  |
| 23 | $\begin{aligned} & 18-09-2017- \\ & 24-09-2017 \end{aligned}$ | P1 | Quadrilateral: Introduction, Angle Sum property of a quadrilateral. | Pressure : Introduction, Thrust and Pressure, Different applications. | Formula of simple compounds, Atomic Number, a m u, Atomic Mass. | Disease and its causes, types of disease (acute and chronic diseases, infectious and noninfectious diseases). | LOGICAL ORDER OF WORDS |
|  |  | P2 | Types of quadrilaterals (Square, rectangle, parallelogram, rhombus, trapezium, kite). | Pressure in Liquid and Gas, atmospheric pressure, Different applications. | Molecular Mass, RAW, GMW, GMV and problems. |  | LOGICAL ORDER OF WORDS |

CPT 18 (24-09-2017) From 50\% of WEEK SI. No. 20 TO 50 \% of SI. No. 21
(Dushera Break is under the decision of branch Director)

| (Dushera Break is under the decision of branch Director) |  |  |  |  |  |  |  |
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| 24 | $\begin{aligned} & \hline 25-09-2017- \\ & 01-10-2017 \\ & \hline \end{aligned}$ |  | REVISION (DOUBT CLASS) | REVISION (DOUBT CLASS) | REVISION (DOUBT CLASS) | REVISION (DOUBT CLASS) | REVISION (DOUBT CLASS) |
| NO CPT |  |  |  |  |  |  |  |
| 25 | $\begin{aligned} & \text { 02-10-2017- } \\ & 08-10-2017 \end{aligned}$ | P1 | Properties of a parallelogram, Midpoint theorem. | Pascal's Law, and its applications. | Mole Concept, Important relations related to mole. | Means of spread or transmission of | ALPHABET TEST (LETTER CHANGE SEQUENCE) |
|  |  | P2 | Problems based on quadrilaterals. | Practice questions on Pascal's Law. | Understanding of a mole, Calculation of Atoms, Molecules and Mole. Expression of concentration of solution in terms of $w / w \%$, v/v\%, w/v\%. | disease, Organ and tissue specific manifestations. | ALPHABET TEST (LETTER CHANGE SEQUENCE) |
|  |  |  | CPT 19 (08-10-2017) Subjective test -5 from WEEK SI. No. 19 to 20 |  |  |  |  |
| 26 | $\begin{aligned} & \text { 09-10-2017- } \\ & 15-10-2017 \end{aligned}$ | P1 | Figures on the same base and between the same parallels (triangles and quadrilaterals) | Density, buoyant force. | Molarity, Molality, Mole fraction | Principles of treatment and prevention. <br> Vaccination and | MATHEMATICAL OPERATION |
|  |  | P2 | Theorems on the same base and between the same parallels (parallelogram), | Laws of Floatation and apparent weight. | Practice questions on Molarity, Molality, Mole fraction | Immunisation (Vaccines and antibiotics). | MATHEMATICAL OPERATION |

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|  |  |  | CPT 20 - (15-10-2017) 50\% from WEEK SI. No. 21 \& 50\% from SI. No. 23 |  |  |  |  |
| 27 | $\begin{aligned} & 16-10-2017- \\ & 22-10-2017 \end{aligned}$ | P1 | Problems based on Theorems on the same base and between the same parallels (parallelogram). | Archimede's principle, its proof and applications. | Chemical equations, Calculations based on chemical equations. | Diseases with their causative agent and symptoms. | COUNTING FIGURES |
|  |  | P2 | Theorems on the same base and between the same parallels (triangles). | Numerical based on Archimedes principle. | Calculations based on weight <br> - volume relation. |  | COUNTING FIGURES |
|  |  |  | CPT 21 -(22-10-2017) Subjective Test WEEK SI. No. 23 to 27 |  |  |  |  |
| 28 | 23-10-2017- |  | REVISION (DOUBT CLASS) | REVISION (DOUBT CLASS) | REVISION (DOUBT CLASS) | REVISION (DOUBT CLASS) |  |
|  | 29-10-2017 |  | REVISION (DOUBT CLASS) | REVISION (DOUBT CLASS) | REVISION (DOUBT CLASS) | REVISION (DOUBT CLASS) |  |
|  | NO CPT (Diwali Break) |  |  |  |  |  |  |
| 29 | $\begin{aligned} & 30-10-2017- \\ & 05-11-2017 \end{aligned}$ | P1 | Theorems on the same base and between the same parallels (triangles). | Introduction of Work. Types of work and its examples | STRUCTURE OF THE ATOM: Introduction Charged Particles in Matter, Discovery of Electrons, Characteristics of Cathode Rays. | Air and air pollution; Water and water pollution, Rain. | LETTER <br> REPEATING <br> SERIES |
|  |  | P2 | Practice questions on Theorems on the same base and between the same parallels. | Numerical based on work | Discovery of Protons, Characteristics of Anode Rays. Discovery of neutron. |  | LETTER <br> REPEATING SERIES |
| CPT 22-(05-11-2017) 50\% from WEEK SI. No. 25 and 50\% from SI.No. 26 |  |  |  |  |  |  |  |
| 30 | $\begin{aligned} & 06-11-2017- \\ & 12-11-2017 \end{aligned}$ | P1 | Circle : Introduction to Circle, Centre, <br> Radius, Chord, Diameter of Circle, <br> Minor, Major Arc. | Energy and different form of energy | Thomson atomic Model, alpha particle experiment. (Rutherford Model) | Soil and Biogeochemical Cycles, Carbon and oxygen cycle. | VENN DIAGRAM |
|  |  | P2 | Segment of Circle, Minor | Kinetic energy, derivation of KE | Features of Rutherford atomic |  | VENN DIAGRAM |

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|  |  |  | segment, <br> Major segment, Minor sector, Major sector | $=1 / 2 m v^{2}$ and | Model and its Drawbacks |  |  |
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|  |  |  | CPT 23 -(12-11-2017) (PHASE TEST - 2) WEEK SI. No. 18 TO SI. No. 26 |  |  |  |  |
| 31 | $\begin{aligned} & 13-11-2017- \\ & 19-11-2017 \end{aligned}$ | P1 | Theorems based on circle. | Numerical based on KE | Bohr's atomic Model. Atomic Number(Z), Mass Number(A) | Water cycle and Nitrogen cycle | CALENDER |
|  |  | P2 | Practice questions on the theorems. | Potential energy derivation PE = mgh | Sub atomic particles, Representation of an Atom. |  | CALENDER |
|  |  |  | CPT 24-(19-11-2017) 50\% from WEEK SI. No. 29 and 50\% from SI.No. 30 |  |  |  |  |
| 32 | $\begin{aligned} & 20-11-2017- \\ & 26-11-2017 \end{aligned}$ | P1 | Cyclic Quadrilateral | Practice numerical on $\mathrm{PE}=\mathrm{mgh}$. | **Quantum Numbers <br> Principle quantum number and Azimuthal quantum number ( in cpt no 26 q. will be asked from sl no 31 only ) | Green house effect, global warming and ozone layer. | CLOCK |
|  |  | P2 | Problems based on Cyclic quadrilateral | Consertion of mechanical energy | Magnetic quantum number and spin quantum number |  | CLOCK |
|  |  |  | CPT 25 -(26-11-2017) from WEEK SI. No. 30 TO SI. No. 31 |  |  |  |  |
| 33 | $\begin{aligned} & 27-11-2017- \\ & 03-12-2017 \end{aligned}$ | P1 | Construction- To construct the bisector of a given angle, To construct perpendicular bisector of a given line segment, To construct some specific angles, | Introduction to power, S.I. Units, Practice questions on power. | Distribution of electrons in Different Orbits(SHELLS), Electronic Configuration: Introduction of s, p, d and f configuration | Basis of classification, Classification and evolution, Binomial Nomenclature, The hierarchy of classification, 5-Kingdom classification by Whittaker. | CUBES \& DICES |
|  |  | P2 | Constructions of Triangles: To construct a triangle with given base, a base angle and the difference/sum of the other two sides, To construct a triangle whose perimeter and two base angles are given. | Relation of power and energy consumption, calculation of bill of a house hold electricity consumption. | Valency of Elements, Formation of lons (CATIONS AND ANIONS). |  | CUBES \& DICES |

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|  |  |  | CPT 26 -(03-12-2017 50\% from WEEK SI. No. 31 and 50\% from SI.No. 32 |  |  |  |  |
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| 34 | $\begin{aligned} & 04-12-2017- \\ & 10-12-2017 \end{aligned}$ | P1 | Perimeter and Area of different types of triangles, Perimeter and Area of Different types of Quadrilaterals. | REVISION: Practice question on Work, KE and PE | Isotopes, Characteristics of Isotopes, Applications of Radio-isotopes. | Monera, Protista, Fungi . | ARITHMETICAL REASONING |
|  |  | P2 | Surface areas and volumes of cube and cuboid. | REVISION: Relation of power and energy consumption, calculation of bill of a house hold electricity consumption. | Isobars, Isotones, Isoelectronic species. |  | ARITHMETICAL REASONING |
|  |  |  | CPT 27-(10-12-2017) (Subjective test - 7) from WEEK SI. No. 29 to 33 |  |  |  |  |
| 35 | $\begin{aligned} & 11-12-2017- \\ & 17-12-2017 \end{aligned}$ | P1 | Surface area and volume of right circular cylinder and hollow cylinder. | Introduction of sound and waves. | PERIODIC CLASSIFICATION: Introduction, Earlier Attempts to Classify Elements-Making Order out of Chaos, Law of Dobereiner's Traids, Newland's Law of octaves. | Thallophyta, Bryophyta, Pteridophyta. | MIRROR IMAGES |
|  |  | P2 | Surface areas and volumes of sphere and cone | Classification of wave difference between mechanical wave and non-mechanical wave. | Mendeleev's Periodic Table, Description of Mendeleev's Periodic Table, modern periodic table. |  | MIRROR IMAGES |
|  |  |  | CPT 28 - (17-12-2017) 50\% from WEEK SI. No. 33 and 50\% from SI.No. 34 |  |  |  |  |
| 36 | $\begin{aligned} & 18-12-2017- \\ & 24-12-2017 \end{aligned}$ | P1 | Statistics: Fundamental characteristics of statistics, Limitations of statistics, Statistical data, Some basic definitions, Inclusive and Exclusive distributions, Frequency distribution table, Preparation of a frequency Distribution table, Cumulative Frequency table. | Terms related to wave, trough, crest, wavelength , frequency and time period. | CHEMICAL BONDING: Introduction, chemical bond and theories of chemical bonding, Kossel and Lewis theory, and octet rule. | Gymnosperms and Angiosperms. | WATER IMAGES |
|  |  | P2 | Graphical Representation of Data, Bar graph, Histogram, Frequency polygon, Cumulative | Speed = frequency $x$ wavelength and Practice questions on it. | Electron dot structure. |  | WATER IMAGES |

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|  |  |  | frequency <br> Curve, Measures of central Tendency (Arithmetic Mean, Mode and Mean for ungrouped Data). |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | CPT 29-(24-12-2017) 50\% from WEEK SI. No. 34 and 50\% from SI. No. 35 |  |  |  |  |
| 37 | $\begin{aligned} & 25-12-2017- \\ & 31-12-2017 \end{aligned}$ | P1 | REVISION (DOUBT CLASS) | REVISION (DOUBT CLASS) | REVISION (DOUBT CLASS) | REVISION (DOUBT CLASS) | REVISION (DOUBT CLASS) |
|  |  | P2 | REVISION (DOUBT CLASS) | REVISION (DOUBT CLASS) | REVISION (DOUBT CLASS) | REVISION (DOUBT CLASS) | REVISION (DOUBT CLASS) |
|  |  |  | NO CPT - (WINTER BREAK is under the decision of branch Director) |  |  |  |  |
| 38 | $\begin{aligned} & \text { 01-01-2018- } \\ & 07-01-2018 \end{aligned}$ | P1 | Probability: Experiment, Trial, sample <br> Space, Event, Sure event . | Sound- waves in air, compression, rarefaction, wavelength of longitudinal wave . | Drawbacks of Kossel-Lewis theory(or octet rule). | General introduction to Animal Classification (Features ). Porifera and Coelenterata. | MAGIC SQUARE |
|  |  | P2 | Problem based on probability. | Speed of sound in air, water, and solid, factors affecting speed of sound. | Type of bonds, Electrovalent bond, Covalent Bond. Coordinate bond (Basic). |  | MAGIC SQUARE |
|  |  |  | CPT 30-(07-01-2018) 50\% from WEEK SI. No. 35 and 50\% from SI.No. 36 |  |  |  |  |
| 39 | $\begin{gathered} 08-01-2018- \\ 14-01-2018 \end{gathered}$ | P1 | Algebraic solutions of linear Inequality in one variable. | HEAT : introduction of heat specific heat, latent heat. | THE GASEOUS STATE: <br> General Introduction and characteristic properties of the three states of matter. Measurable properties of Gases, Boyle's Law. | Platyhelminthes and Nemathelminthes. | MAGIC CIRCLE |
|  |  | P2 | Graphical solutions of linear Inequality in one variable | Practice questions on heat. | Charles's Law and Absolute Scale of Temperature. Avogadro's law. |  | MAGIC CIRCLE |
| CPT 31 -(14-01-2018) (Subjective test - 8) MOCK Test on Pre Annual test from (Syllabus10\% from Quarterly 30\% from Half yearly and 60\% from WEEK SI.No.29 to 38 |  |  |  |  |  |  |  |
| 40 | $\begin{aligned} & \text { 15-01-2018- } \\ & 21-01-2018 \end{aligned}$ | P1 | Quadratic equation (only 10th CBSE). | Different temperature scales. | Ideal Gas Equation and pressure density Relationship. | Annelida and Arthropoda. | INSERTING NUMBERS |
|  |  | P2 | Problems based on quadratic equation. | Practice questions on Different temperature of scale. | Dalton's Law of Partial Pressures Problems based on Dalton's law of partial pressures. |  | INSERTING NUMBERS |
|  |  |  | CPT 32 -(21-01-2018) 50\% from WEEK SI. No. 38 and 50\% from SI.No. 39 |  |  |  |  |
| 41 | $\begin{aligned} & \text { 22-01-2018- } \\ & 28-01-2018 \end{aligned}$ | P1 | Logarithm, Laws of logarithm. | REVISION from sl no 29 to 33 | CARBON AND ITS COMPOUNDS: Definition of | Mollusca and Echinodermata |  |

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