

# MEDICAL

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| <b>Test-1</b>      | <b>11 Feb., 2018</b>  |
| <b>PHYSICS :</b>   | Unit, Dimensions, Measurement & Error, Vector, Kinematics (1-D and 2-D)                         |
| <b>CHEMISTRY :</b> | Mole Concept, Nomenclature, Atomic Structure  |
| <b>BIOLOGY :</b>   | Anatomy of Flowering Plants<br>Animal Tissue  |
| <b>Test-2</b>      | <b>18 Feb., 2018</b>  |
| <b>PHYSICS :</b>   | Newton's Law's of Motion and Friction   |
| <b>CHEMISTRY :</b> | Equivalent Wt. & Oxidation Reduction, Isomerism, Periodic Table                                 |
| <b>BIOLOGY :</b>   | Morphology of Flowering Plants<br>Movement and Locomotion, Neural Control and Coordination      |
| <b>Test-3</b>      | <b>25 Feb., 2018</b>  |
| <b>PHYSICS :</b>   | Circular Motion, Work, Energy and Power   |
| <b>CHEMISTRY :</b> | Titration and At. Weight, General Organic Chemistry, Chemical Bonding                           |
| <b>BIOLOGY :</b>   | Reproduction in Flowering Plants<br>Breathing and gaseous transport, Body fluid and Circulation |
| <b>Test-4</b>      | <b>04 March, 2018</b>   |
| <b>PHYSICS :</b>   | Center of Mass, Collision and Linear Momentum, Conservation of energy                           |
| <b>CHEMISTRY :</b> | State of Matter (Ideal Gas), Alkane, d & f-block elements                                       |
| <b>BIOLOGY :</b>   | Biological Classification,<br>Excretion, Chemical coordination & Regulation                     |
| <b>Test-5</b>      | <b>11 March, 2018</b>   |
| <b>PHYSICS :</b>   | Rotational Motion and Gravitation   |
| <b>CHEMISTRY :</b> | State of Matter (Real Gas), Alkene, Co-ordination compound                                      |
| <b>BIOLOGY :</b>   | Plant Kingdom<br>Digestion and Absorption   |
| <b>Test-6</b>      | <b>18 March, 2018</b>   |
| <b>PHYSICS :</b>   | Fluid and Properties of Bulk Matter   |
| <b>CHEMISTRY :</b> | Thermodynamics, Alkyne, Group- III (A) Boron Family   |
| <b>BIOLOGY :</b>   | Cell : The unit of life<br>Human Reproduction & Reproductive Health                             |
| <b>Test-7</b>      | <b>25 March, 2018</b>   |
| <b>PHYSICS :</b>   | SHM and Sound Wave  |
| <b>CHEMISTRY :</b> | Enthalpy of Reaction, Alkyl Halide and Haloarenes, Carbon Family                                |
| <b>BIOLOGY :</b>   | Cell Cycle and Cell Division<br>Silent Features of Animals (Non-chordates up to phylum level)   |
| <b>Test-8</b>      | <b>28 March, 2018</b>   |
| <b>PHYSICS :</b>   | Heat transference, Calorimetry  |
| <b>CHEMISTRY :</b> | Dilute Solution and Colligative Properties, Alcohol, Nitrogen family                            |
| <b>BIOLOGY :</b>   | Transport in Plants<br>Salient features of Chordates up to Class level                          |
| <b>Test-9</b>      | <b>01 April, 2018</b>   |
| <b>PHYSICS :</b>   | Thermodynamics  |
| <b>CHEMISTRY :</b> | Chemical Kinetics, Ether and Phenol, Oxygen Family  |
| <b>BIOLOGY :</b>   | Mineral Nutrition<br>Cockroach, Biomolecules  |

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| <b>Test-10</b>                                     | <b>04 April, 2018</b>  |
| <b>PHYSICS :</b>                                   | Electrostatics and Capacitor   |
| <b>CHEMISTRY :</b>                                 | Chemical Equilibrium, Aldehyde and Ketone, Halogen Family  |
| <b>BIOLOGY :</b>                                   | Photosynthesis in Higher Plants<br>Mendelian Inheritance   |
| <b>Test-11</b>                                     | <b>08 April, 2018</b>  |
| <b>PHYSICS :</b>                                   | Current Electricity, Heating effect of current   |
| <b>CHEMISTRY :</b>                                 | Ionic Equilibrium, Carboxylic acid and its Derivatives, Inert Gas  |
| <b>BIOLOGY :</b>                                   | Respiration in Plants<br>Deviations from Mendelian Ratio   |
| <b>Test-12</b>                                     | <b>11 April, 2018</b>  |
| <b>PHYSICS :</b>                                   | Magnetic field, Magnetic effect of current, Permanent Magnetism, Earth's Magnetism   |
| <b>CHEMISTRY :</b>                                 | Solubility Product and Hydrolysis of salt, Nitrogen containing, Group (I) Alkali Metals  |
| <b>BIOLOGY :</b>                                   | Plant growth and Development<br>Mendelian disorders and Chromosomal disorder in Human  |
| <b>Test-13</b>                                     | <b>15 April, 2018</b>  |
| <b>PHYSICS :</b>                                   | EMI and AC   |
| <b>CHEMISTRY :</b>                                 | Electrolysis and Conductance, Polymers, Group(II) Alkaline Earth Metals  |
| <b>BIOLOGY :</b>                                   | Organisms and Populations; Ecosystem<br>Molecular Basis of Inheritance   |
| <b>Test-14</b>                                     | <b>18 April, 2018</b>  |
| <b>PHYSICS :</b>                                   | Wave Optics, Electromagnetic waves, Dual nature and Photoelectric Effect   |
| <b>CHEMISTRY :</b>                                 | Electrochemical Cell, Biomolecules, Hydrogen   |
| <b>BIOLOGY :</b>                                   | Biodiversity and Conservation; Environmental Issues<br>Human Health and Diseases   |
| <b>Test-15</b>                                     | <b>22 April, 2018</b>  |
| <b>PHYSICS :</b>                                   | Ray Optics and Optical Instruments   |
| <b>CHEMISTRY :</b>                                 | Solid State, Purification of Organic Compound, Metallurgy  |
| <b>BIOLOGY :</b>                                   | Strategies for enhancement of food production and Microbes in Human welfare<br>Chromosomal theory of Inheritance, Sex Determination, Linkage crossing over |
| <b>Test-16</b>                                     | <b>25 April, 2018</b>  |
| <b>PHYSICS :</b>                                   | Modern Physics, Semiconductor devices, Communication   |
| <b>CHEMISTRY :</b>                                 | Surface Chemistry, Chem. in Everyday Life, Environmental Chem., Qualitative Analysis   |
| <b>BIOLOGY :</b>                                   | Biotechnology; Biotechnology & its application<br>Evolution  |
| <b>Mock Test - 1</b>                               | <b>27 April, 2018</b>  |
| <b>PHYSICS, CHEMISTRY, BIOLOGY : Full Syllabus</b> |  |
| <b>Mock Test - 2</b>                               | <b>29 April, 2018</b>  |
| <b>PHYSICS, CHEMISTRY, BIOLOGY : Full Syllabus</b> |  |
| <b>Mock Test - 3</b>                               | <b>01 May, 2018</b>  |
| <b>PHYSICS, CHEMISTRY, BIOLOGY : Full Syllabus</b> |  |
| <b>Mock Test - 4</b>                               | <b>03 May, 2018</b>  |
| <b>PHYSICS, CHEMISTRY, BIOLOGY : Full Syllabus</b> |  |

# ENGINEERING

## Test-1 11 Feb., 2018

**PHYSICS :** Unit, Dimension, Measurement & Error, Vector, Kinematics, Newton's Law of Motion and Friction

**CHEMISTRY :** Some, Basic Concept of Chemistry, Nomenclature, Atomic Structure

**MATH :** Set, Relation & Function

## Test-2 18 Feb., 2018

**PHYSICS :** Circular Motion, Work, Energy, Power, Centre of Mass and Collision

**CHEMISTRY :** Gaseous State (Ideal Gas), Isomerism, Periodic Properties of Elements

**MATH :** Complex Number, Quadratic Equation & Expression

## Test-3 25 Feb., 2018

**PHYSICS :** Rotational Motion, Fluid, Gravitation and Mechanical Properties

**CHEMISTRY :** Gaseous State (Real gas), General organic Chemistry, Chemical Bonding (Part-I)

**MATH :** Sequence & Series, Mathematical Reasoning, Mathematical Induction

## Test-4 04 March, 2018

**PHYSICS :** Simple Harmonic Motion, Waves and Oscillation, Sound waves

**CHEMISTRY :** Thermochemistry, Alkane, Chemical Bonding (Part-II)

**MATH :** Permutation & Combination, Binomial Theorem

## Test-5 07 March, 2018

**PHYSICS :** Heat and Thermodynamics

**CHEMISTRY :** Dilute Solution and Colligative Properties, Alkene, d & f-Block elements

**MATH :** Straight Line & Circle

## Test-6 11 March, 2018

**PHYSICS :** Electrostatics, Current Electricity

**CHEMISTRY :** Chemical Kinetics, Alkyne, Co-ordination Compound

**MATH :** Conic-Section (Parabola, Ellipse, Hyperbola) Trigonometric Ratio

## Test-7 14 March, 2018

**PHYSICS :** Magnetic field, Magnetic effect of current, Permanent Magnetism, Earth's Magnetism

**CHEMISTRY :** Chemical Equilibrium, Alkyl Halide and Haloarenes, Gp.-13 & 14 Compound

**MATH :** Trigonometric Equation, Properties of Triangle, Inverse Trigonometric Function

## Test-8 18 March, 2018

**PHYSICS :** Electromagnetic Induction and Alternating Current

**CHEMISTRY :** Ionic Equilibrium, Alcohol, Ether and Phenol, Gp.-15 - 18 Compound

**MATH :** Limit, Continuity & Differentiability Application of Derivative

## Test-9 21 March, 2018

**PHYSICS :** Electromagnetic Wave and Wave Optics, Dual Nature, Photoelectric effect

**CHEMISTRY :** Electrolysis & Conductance, Aldehyde and Ketone, Carboxylic acid and its Derivatives, s-block elements, Metallurgy

**MATH :** Integration, Area & Differential Equation

## Test-10 25 March, 2018

**PHYSICS :** Ray Optics and Optical Instrument

**CHEMISTRY :** Electro-chemical Cell, Nitrogen Containing, Practical of organic chemistry, Hydrogen

**MATH :** Vector & 3-D

## Test-11 28 March, 2018

**PHYSICS :** Modern Physics

**CHEMISTRY :** Solid State and Surface Chemistry; Biomolecules, Polymers, Chemistry in everyday life, Environmental Chemistry, Qualitative Analysis

**MATH :** Probability, Matrices & Determinant

## Mock Test - 1 30 March, 2018

**PHYSICS :** Full Syllabus

**CHEMISTRY :** Full Syllabus

**MATH :** Full Syllabus

## Mock Test - 2 01 April, 2018

**PHYSICS :** Full Syllabus

**CHEMISTRY :** Full Syllabus

**MATH :** Full Syllabus