

## Pre Medical Major Test Series Schedule

| All Enthuse Phase, Leader Phase 1 to 7,<br>Achiever Phase 1 |           |                    | Leader Phase 8,9,10,11 |           |                    | Leader Phase 12,13 |           |                    |
|---|-----------|--------------------|------------------------|-----------|--------------------|--------------------|-----------|--------------------|
| DATE  | DAY       | SYLLABUS           | DATE                   | DAY       | SYLLABUS           | DATE               | DAY       | SYLLABUS           |
| 22-04-2021  | THURSDAY  | SYLLABUS 1         | -                      |           |                    | -                  |           |                    |
| 28-04-2021  | WEDNESDAY | SYLLABUS 2         | 07-05-2021             | FRIDAY    | SYLLABUS 1         | -                  |           |                    |
| 04-05-2021  | TUESDAY   | SYLLABUS 3         | 13-05-2021             | THURSDAY  | SYLLABUS 2         | -                  |           |                    |
| 10-05-2021  | MONDAY    | SYLLABUS 1+2+3     | 19-05-2021             | WEDNESDAY | SYLLABUS 3         | -                  |           |                    |
| 16-05-2021  | SUNDAY    | SYLLABUS 4         | 22-05-2021             | SATURDAY  | SYLLABUS 1+2+3     | 28-05-2021         | FRIDAY    | SYLLABUS 4         |
| 23-05-2021  | SUNDAY    | SYLLABUS 5         | 28-05-2021             | FRIDAY    | SYLLABUS 4         | 03-06-2021         | THURSDAY  | SYLLABUS 5         |
| 30-05-2021  | SUNDAY    | SYLLABUS 6         | 03-06-2021             | THURSDAY  | SYLLABUS 5         | 09-06-2021         | WEDNESDAY | SYLLABUS 6         |
| 06-06-2021  | SUNDAY    | SYLLABUS 4 + 5 + 6 | 09-06-2021             | WEDNESDAY | SYLLABUS 6         | 12-06-2021         | SATURDAY  | SYLLABUS 4 + 5 + 6 |
| 13-06-2021  | SUNDAY    | FULL SYLLABUS      | 12-06-2021             | SATURDAY  | SYLLABUS 4 + 5 + 6 | 20-06-2021         | SUNDAY    | SYLLABUS 1         |
| 20-06-2021  | SUNDAY    | FULL SYLLABUS      | 20-06-2021             | SUNDAY    | FULL SYLLABUS      | 26-06-2021         | SATURDAY  | SYLLABUS 2         |
| 27-06-2021  | SUNDAY    | FULL SYLLABUS      | 27-06-2021             | SUNDAY    | FULL SYLLABUS      | 02-07-2021         | FRIDAY    | SYLLABUS 3         |
| 04-07-2021  | SUNDAY    | FULL SYLLABUS      | 04-07-2021             | SUNDAY    | FULL SYLLABUS      | 05-07-2021         | MONDAY    | SYLLABUS 1 + 2 + 3 |
| 08-07-2021  | THURSDAY  | FULL SYLLABUS      | 08-07-2021             | THURSDAY  | FULL SYLLABUS      | 08-07-2021         | THURSDAY  | FULL SYLLABUS      |
| 11-07-2021  | SUNDAY    | FULL SYLLABUS      | 11-07-2021             | SUNDAY    | FULL SYLLABUS      | 11-07-2021         | SUNDAY    | FULL SYLLABUS      |
| 14-07-2021  | WEDNESDAY | FULL SYLLABUS      | 14-07-2021             | WEDNESDAY | FULL SYLLABUS      | 14-07-2021         | WEDNESDAY | FULL SYLLABUS      |
| 18-07-2021  | SUNDAY    | FULL SYLLABUS      | 18-07-2021             | SUNDAY    | FULL SYLLABUS      | 18-07-2021         | SUNDAY    | FULL SYLLABUS      |
| 22-07-2021  | THURSDAY  | FULL SYLLABUS      | 22-07-2021             | THURSDAY  | FULL SYLLABUS      | 22-07-2021         | THURSDAY  | FULL SYLLABUS      |
| 25-07-2021  | SUNDAY    | FULL SYLLABUS      | 25-07-2021             | SUNDAY    | FULL SYLLABUS      | 25-07-2021         | SUNDAY    | FULL SYLLABUS      |

PROPOSED SYLLABUS 1 to 6 (SESSION 2020-2021)

| PHYSICS           |  | CHEMISTRY  | BIOLOGY   |
|-------------------|--|--|---|
| <b>SYLLABUS 1</b> | Basic Mathematics used in physics & Vectors, Units, Dimensions and Measurements, Kinematics, Laws of Motion and Friction.  | Some basic concepts of Chemistry, Atomic Structure, Chemical Equilibrium, Ionic Equilibrium, Thermodynamics & Chemical Energetics, Redox reactions, Behaviour of Gases                       | <b>Diversity In The Living World :</b> (i) The Living World (ii) Biological Classification (iii) Plant Kingdom (iv) Animal Kingdom (v) Cockroach (vi) Earthworm (vii) Frog<br><b>Structural Organisation In Plants And Animals :</b> (i) Morphology Of Flowering Plants (ii) Anatomy Of Flowering Plants (iii) Structural Organisation In Animals (Animal Tissue)   |
| <b>SYLLABUS 2</b> | Work, Energy & Power, Circular Motion, Collisions and Centre of Mass, Rotational Motion, Gravitation, Properties of matter and Fluid Mechanics.  | Periodic Table Chemical Bonding s-Block Elements Hydrogen & It's Compounds   | <b>Cell : Structure And Functions :</b> (i) Cell : The Unit Of Life (ii) Cell Cycle And Cell Division<br><b>Biomolecules</b><br><b>Plant Physiology :</b> (i) Transport in Plants (ii) Mineral Nutrition (iii) Photosynthesis in Higher Plants (iv) Respiration in Plants (v) Plant Growth and Development (vi) Enzyme  |
| <b>SYLLABUS 3</b> | Thermal Physics (Thermal Expansion, Calorimetry, Heat Transfer, KTG & Thermodynamics), Oscillations (SHM, Damped and Forced Oscillations & Resonance), Wave Motion and Doppler's Effect. | Classification & Nomenclature, Isomerism, Reaction Mechanism-I, Reaction Mechanism-II, Hydrocarbons, Environmental Chemistry and Qualitative and Quantitative Analysis of Organic Compounds, | <b>Human Physiology :</b> (i) Digestion And Absorption (Digestive System) (ii) Breathing And Exchange Of Gases (Respiratory System) (iii) Body Fluids And Circulation (Circulatory System) (iv) Excretory Products And Their Elimination (Excretory System) (v) Locomotion And Movement (Muscles, Skeletal System) (vi) Neural Control And Co-ordination (Nervous System, Sensory Organs) (vii) Chemical Co-ordination And Integration (Endocrine System) |

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|--------------------------|--|---|--|
| <p><b>SYLLABUS 4</b></p> | <p>Electrostatics, Capacitor, Current electricity and Heating Effects of Current .</p>                         | <p>Solid State Chemical kinetics Solutions Electrochemistry Surface chemistry</p>   | <p><b>Reproduction :</b> (i) Reproduction in Organisms (ii) Sexual Reproduction in Flowering Plants (iii) Human Reproduction (iv) Reproductive Health<br/><b>Evolution :</b> (i) Origin And Evolution</p>  |
| <p><b>SYLLABUS 5</b></p> | <p>Magnetic effect of current and Magnetism, Electromagnetic Induction, Alternating current, EM Waves.</p>     | <p>P-block elements (group 13 to 18) d &amp; f-block elements Coordination Compounds Metallurgy</p>   | <p><b>Genetics :</b> (i) Principles Of Inheritance And Variation (ii) Molecular Basis Of Inheritance<br/><b>Biotechnology :</b> (i) Biotechnology : Principles And Processes (ii) Biotechnology And Its Applications (iii) Microbes In Human Welfare<br/><b>Strategies For Enhancement In Food Production (Plant Breeding)</b></p> |
| <p><b>SYLLABUS 6</b></p> | <p>Ray optics and optical Instruments, Wave optics, Modern Physics, Semiconductor and Digital Electronics.</p> | <p>Halogen derivatives, Oxygen containing organic compounds, Nitrogen containing organic compounds, Biomolecules, polymers and chemistry in everyday life</p> | <p><b>Biology In Human Welfare :</b><br/>(i) Human Health and Disease (iii) Strategies For Enhancement In Food Production (Animal Breeding)<br/><b>Ecology :</b><br/>(i) Organisms and Populations (ii) Ecosystem (iii) Biodiversity and Conservation (iv) Environmental Issues (v) Demography</p>                                 |