

Syllabus and dates of examinations conducted by PACE for ENGINEERING (MAIN / ADVANCED) PHASE - I

Main : (Online) Timings :
9:00 - 12:00 PM OR 3:00 - 6:00 PM

Advanced : Timings : Paper 1: 9:00 - 12:00 PM, Paper 2: 2:30 - 5:30 PM

| DATE | DAY | TEST | MATHS | PHYSICS | CHEMISTRY |
|-----------------|----------|--------------------|---|--|-----------------------------|
| 07 October 2023 | Saturday | OPEN TEST (MAIN) | FULL SYLLABUS | FULL SYLLABUS | FULL SYLLABUS |
| 08 October 2023 | Sunday | OPEN TEST (ADV) | | | |
| 11th Nov 2023 | Saturday | PART TEST-1 (MAIN) | Quadratic Equations & Inequations , Sequence & Series, Complex Number , Binomial Theorem , Vector ,3D-Geometry , Determinants, Matrices , Permutation & Combinations , Probability ,Statistics, Mathematical Inductions, Reasoning & Logic | Units & Dimensions, Errors & Measurements, Kinematics , LOM & Friction , Circular Motion, WPE ,COM & Collisions , Rotational Dynamics , SHM & Gravitation , Fluid Dynamics , Mechanical Properties | FULL PHYSICAL CHEMISTRY |
| 12th Nov 2023 | Sunday | PART AITS-1 (ADV) | | | |
| 2nd Dec 2023 | Saturday | PART TEST-2 (MAIN) | Functions + ITF, Limits ,Continuity & Differentiability , MOD , Application of Derivatives , Definite Integration , Indefinite Integration , Differential Equation , Area Under the Curve | Electrostatics & Capacitors, Current Electricity , Magnetism, Classical Magnetism , EMI & AC ,Ray Optics , Optical Instruments , Sound Waves & Transverse Waves , Wave Optics (Diffraction & Polarisation) | FULL ORGANIC CHEMISTRY |
| 3rd Dec 2023 | Sunday | PART AITS-2 (ADV) | | | |
| 23th Dec 2023 | Saturday | PART TEST-3 (MAIN) | Straight Line , Circle , Conics , Trigonometry | Heat , Thermodynamics , Modern Physics , Semiconductors , EM Waves & Communications | FULL INORGANIC CHEMISTRY |
| 24th Dec 2023 | Sunday | PART AITS-3 (ADV) | | | |



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|------------------|----------|----------------|---------------|---------|-----------|
| 26 December 2023 | Tuesday | AIMS-1 (MAINS) | FULL SYLLABUS | | |
| 28 December 2023 | Thursday | AIMS-2 (MAINS) | FULL SYLLABUS | | |
| 30 December 2023 | Saturday | AIMS-3 (MAIN) | FULL SYLLABUS | | |
| 08 January 2024 | Monday | AIMS-4 (MAIN) | FULL SYLLABUS | | |
| 11 January 2024 | Thursday | AIMS-5 (MAIN) | FULL SYLLABUS | | |
| 16 January 2024 | Thursday | AIMS-6 (MAIN) | FULL SYLLABUS | | |
| 18 January 2024 | Thursday | AIMS-7 (MAIN) | FULL SYLLABUS | | |