

NSEA - EXAM DATE - 23 November 2024

Progressive Assessments Planner

Test Date	Test Type	Test Syllabus	Test Pattern	Paper duration
Monday, August 5, 2024	Part Test 1	Celestial Mechanics, Electromagnetic Theory, & Quantum Physics, Thermodynamics, Spectroscopy & Atomic Physics, Nuclear Physics, Basic Mathematics, Trigonometry, Trigonometric Equations, Logarithm Mechanics (Kinematics to Rotation)	<p>Section A 48 multiple choice questions with one alternative correct. +3 marks credit for correct choice. --1 mark penalty for incorrect choice.</p> <p>Section B 12 multiple choice questions with one or more than one correct alternatives. To get credit, all the correct option(s) and no incorrect option(s) should be marked.</p>	2 Hours
Wednesday, August 7, 2024	Part Test 2	Type your text Celestial sphere, Concept of time, Straight Line, Conic Section, Fluid Mechanics & Properties of Matter		2 Hours
Sunday, August 11, 2024	Part Test 3	Type your text The Sun, Solar System Quadratic Equation, Progression, Complex Number, Electrostatics, Gravitation, Current (Resistor + Capacitor)		2 Hours
Sunday, September 1, 2024	Part Test 4	Space Exploration, Astronomical Phenomenon, Stellar Properties and Stellar Interior & Atmospheres, Function, Limit, Continuity & Differentiability, Magnetic material, Magnetic effect of current, Electromagnetic Induction, Alternating Current		2 Hours
Sunday, September 22, 2024	Part Test 5	Stellar Evolution, Binary Star Systems, Exoplanets & Star Clusters Vector, 3-D, Method of Differentiation, Application of Derivatives, Differential Equations Simple Harmonic Motion, Waves, Optics		2 Hours
Sunday, October 13, 2024	Part Test 6	Milky Way Galaxy, Interstellar Medium, Galaxies, Accretion Processes, Elementary Cosmology Sets & relation, Function, Integral Calculus Heat & Thermodynamics		2 Hours

Test Date	Test Type	Test Syllabus	Test Pattern	Paper duration
Sunday, November 3, 2024	Part Test -7	Multi-wavelength Astronomy, Instrumentation, Practical based questions, Matrix & Determinants, Permutations & Combinations, Probability, Modern Physics, Semiconductor	<p>Section A 48 multiple choice questions with one alternative correct. +3 marks credit for correct choice. --1 mark penalty for incorrect choice.</p> <p>Section B 12 multiple choice questions with one or more than one correct alternatives. To get credit, all the correct option(s) and no incorrect option(s) should be marked.</p>	2 Hours
Thursday, November 14, 2024	Full syllabus Test -1	Complete Syllabus		2 Hours
Saturday, November 16, 2024	Full syllabus Test - 2	Complete Syllabus		2 Hours
Tuesday, November 19, 2024	Full syllabus Test - 3	Complete Syllabus		2 Hours