Eligibility Criteria , Important Dates & Syllabus for Bio-technology

Age Limit	Eligibility	PROGRAMS
22 years (Maximum)	* Should have passed 10+2 or equivalent examination with minimum 50 percent. Also, **Physics, Chemistry, and Mathematics** should have been studied as main subjects. * **12th Appearing Student** waiting for their result in 2027 can also apply.	**Bio –Technology (Bsc. Biotechnology/ B. Tech Biotechnology)**

AICEE-2027 IMPORTANT DATES FOR PCM PROGRAMS

Application Begins :	**8th Nov, 2026 , 02 : 00 PM**
Application Last Date (Centre Based Exam Mode)	**31st Dec, 2026**
Application Last Date (Home Based Exam Mode)	**20th Jan , 2027**
Examination Date (Home Based Mode)	**30th Jan, 2027, 01:00 PM to 03:00 PM**
Examination Date (Centre Based Mode)	**7th Feb, 2027 , 01:00 PM to 03:00 PM**
Result Date (Tentative) :	**20th Feb, 2027**

SYLLABUS & QUESTION PATTERN

TIME – 2 Hrs.	120 Questions =360 Marks	Negative Marking -1/3rd

Question Pattern	Multiple choice Questions
Examination Mode	Computer Based Test Mode
Language of Examination	English

Subjects	No. of Questions	Total Marks
Physics	35 Questions	105 Marks
Chemistry	35 Questions	105 Marks
Mathematics	35 Questions	105 Marks
General Awareness & Aptitude	15 Questions	45 Marks

Complete Syllabus

Subjects	Syllabus
Physics	Physics and measurement Rotational motion Thermodynamics Kinematics Work, energy and power Properties of solids and liquids Gravitation Laws of motion Oscillations and waves Electronic devices Kinetic theory of gases Current electricity Communication systems Electromagnetic induction and alternating currents Magnetic effects of current and magnetism Optics Electromagnetic waves Atoms and nuclei Electrostatics Dual nature of matter and radiation
Chemistry	**PHYSICAL CHEMISTRY** Some basic concepts in chemistry States of matter Atomic structure Chemical bonding and molecular structure Chemical thermodynamics Solutions Equilibrium Redox reactions and electrochemistry Chemical kinetics Surface chemistry **ORGANIC CHEMISTRY** Purification and characterisation of organic compounds Hydrocarbons Chemistry in everyday life Principles related to practical chemistry

	Organic compounds containing halogens Organic compounds containing oxygen Organic compounds containing nitrogen Polymers Some basic principles of organic chemistry Biomolecules **INORGANIC CHEMISTRY** Classification of elements and periodicity in properties Hydrogen Block elements (alkali and alkaline earth metals) P Block elements group 13 to group 18 elements d- and f - block elements Co-ordination compounds Environmental chemistry General principles and processes of isolation of metals
Mathematics	Complex numbers and quadratic equations Matrices and determinants Sets, relations and functions Mathematical induction Permutations and combinations Mathematical reasoning Limit, continuity and differentiability Integral calculus Three-dimensional geometry Differential equations Binomial theorem and its simple applications Sequence and Series Vector algebra Statistics and probability Trigonometry Co-ordinate geometry

General Awareness & Aptitude – 15 Multiple Choice Questions will be from Current affairs within one year & Aptitude .