

Program Specific Outcomes of Mathematics Combination Groups

Sl. No.	Program	Program Specific Outcomes
1	M P Che	Understand the theoretical concepts of physical and chemical properties of materials and the role of mathematics in dealing with them in a quantitative way.
		Analyse the concepts of mathematics, physics and chemistry and understand the relation among them like physical chemistry, mathematical modelling of physics and chemistry problems.
		Skills needed to handle instruments and adopt lab procedures to study physical chemical properties of materials. Mathematical, numerical techniques required to model them.
		Ability to interlink the skills and knowledge in mathematics, physics and chemistry and develop an aptitude to address the problems in biophysics, stock market analysis.
2	M P Comp	Understand the concepts of vector spaces, group theory, quantum mechanics, optical, thermal, electrical, mechanical properties of a materials, probability, algorithm design, data base
		Analyse the concepts of mathematics, physics and computers science able to relate them in numerical programming of models of physical systems.
		Acquire the skills to study the properties of materials, implementation of numerical algorithms by using various programming languages.
		Ability to interlink the skills developed and acquires an aptitude to address the problems in simulations of material properties, web and mobile app development.
3	M E Comp	Understand the mechanism behind various electronic and physical systems and quantify them with firm mathematical tools.
		Analyse the properties of materials, electronic components to develop essential tools for better livelihood.
		Skills to study the electrical and electronic properties of materials and also to explore the properties of various electronic components, communication systems,
		Ability to interlink the skills developed to design tools for internet of things, select proper materials for suitable electronic applications.
4	M C Comp	Understand the concepts of vector spaces, group theory, probability, distributions, sampling techniques, algorithm design, data base design and web design.
		Analyse the concepts of mathematics, chemistry and computers science able to use them in algorithm design and data science.
		Acquire the skills to use MS-Excel, implementation of numerical algorithms by using various programming languages.
		Ability to interlink the skills developed and develop an aptitude to address the problems in DBMS, web and mobile app development.


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