

T.K.M College of Arts and Science, Kollam

**Re-accredited by NAAC with "B++" Grade
(Affiliated to University of Kerala)**



**PROGRAM SPECIFIC OUTCOMES (PSO)
POST GRADUATE PROGRAMMES
(2017 Admission onwards)**

TKM College of Arts & Science Kollam - 691005 Kerala

Ph : 0474 - 2712240, 2711817, Fax : 0474 - 2711817

Email : tkmarts@gmail.com

UNDERGRADUATE PROGRAMMES - BA/BSc/BCom

Name of the program: Post graduate program in Mathematics (MSc Mathematics)

Program specific outcomes (PSO)

PSO1	Formulate and develop mathematical arguments in a logical manner
PSO2	Enable students to acquire the theoretical and analytical skills to proceed to a successful career as a teacher, researcher and other fields related to mathematics.
PSO3	Nurture problem solving skills, thinking, creativity through assignments, project work.
PSO4	Develop a positive attitude towards mathematics as an interesting and valuable subject of study.

Name of the program: Post graduate program in Physics (MSc Physics)

PSO1	Define and explain fundamental ideas and mathematical formalism of theoretical and applied physics.
PSO2	Identify, classify and extrapolate the physical concepts and related mathematical methods to formulate and solve real physical problems.
PSO3	Identify and solve interdisciplinary problems that require simultaneous implementation of concepts from different branches of physics and other related areas.
PSO4	Define a research problem, translate ideas into working models, interpret the data collected, draw the conclusions and report scientific data in the form of dissertation.

Name of the program: Post graduate program in Biochemistry (MSc Biochemistry)

PSO1	Impart advanced knowledge on various concepts of biochemistry.
PSO2	Enable students to achieve capacity for inquisitive inquiry in the field of biochemistry.
PSO3	Develop skills in students necessary for careers into advanced research.
PSO4	Enrich the skills and applied knowledge of students towards current industry expectations from biochemists.

**Name of the program: Post graduate program in Chemistry
(MSc Chemistry)**

PSO1	Understand the terms, concepts, methods, principles and experimental techniques of physical, organic, inorganic, environmental, green, nano, supramolecular and analytical chemistry
PSO2	Develop research attitude and adopt scientific method of identifying, analyzing and solving research problems in an innovative way
PSO3	Acquire qualities, punctuality, regularity, scientific attitude and scientific temper in chemical laboratories
PSO4	Apply physical and mathematical theories and principles in the context of chemical science

**Name of the program: Post graduate program in Commerce
(MCom)**

PSO1	Understand the various strategies in business, and competencies in scanning the Business Environment and its Regulatory Framework and the use of information technology in all its aspects, the relevance of ethical decision making in sustainable development of different stakeholders.
PSO2	Acquire knowledge and required skills in carrying out research with the application of Quantitative Techniques and Business Econometrics.
PSO3	Apply knowledge and skill in analyzing securities and constructing portfolios for optimal investment, evaluating national and state budget, solving optimization problems in business using management science models
PSO4	Attain skill for applying knowledge in tax planning and management of individuals and businesses,

Name of the program: First degree program in Commerce with Computer Application (BCom Computer Application)

PSO1	Understand the importance of environment and sustainable development, the knowledge regarding setting up of business, legal environment and the role of management in business.
PSO2	Application of Accounting principles in preparing and interpreting accounts of business enterprise.
PSO3	Application of electronic data processing and data management in computer application in business operations
PSO4	Application of the techniques in Marketing and Finance to build a business.

Name of the program: First degree program in English (BA English)

PSO1	Build a comprehensive understanding of the discipline of literary studies.
PSO2	Contribute to the realm of knowledge production with an increased intellectual, creative, critical and multidisciplinary capability.
PSO3	Familiarise with the writers of English literature across different ages and continents, their theories, perspectives, models and methods.
PSO4	Demonstrate competence in analysis and critically analyse scholarly work in the areas of English language teaching, literary research and translation.

Name of the program: First degree program in Islamic History (BA Islamic History)

PSO1	Understand the history, culture, politics and philosophy of the Islamic people from the Pre-Prophetic period up to the contemporary era.
PSO2	Understand the socio-political and religious institutions in the Muslim society and to identify its effects in the society.
PSO3	Evaluate the cultural interactions of Islam in the global arena with special emphasis on the Indo-Islamic cultural formations.

PSO4	Formulate a theoretical framework by analyzing the historical events and to distinguish the contemporary challenges in Islam.
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