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) UNDERGRADUATE PROGRAMMES (2017 Admission onwards)

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UNDERGRADUATE PROGRAMMES - BA/BSc/BCom

Name of the program: First degree program in Mathematics (BSc Mathematics)		
Program specific outcomes (PSO)		
PSO1	Understand basic facts about mathematics such as axioms, notations , terminology.	
PSO2	Understand various mathematical techniques and apply to scientific problems.	
PSO3	Formulate mathematical arguments in a logical manner.	
PSO4	Apply numerical techniques and computer algebra systems to solve various mathematical problems.	
Name main	of the program: BA Economics and Mathematics (double	
PSO1	Provide a strong foundation in Economics and Mathematics	
PSO2	Enable students to acquire necessary skills for analyzing basic economic issues at the micro and macro levels.	
PSO3	Acquaint students with the essential mathematical and statistical methods and tools to be applied in the analytical aspects of Economics.	
PSO4	Enable students to acquire the technical and analytical skills to proceed to a successful career in finance, business and many other fields or to proceed to further study in mathematics/economics.	

Name of the program: First degree program in Physics

(BSc Physics)

PSO1	Equip the students in methodology related to Physics and to develop broad and
	balanced knowledge and understanding of physical concepts, principles and
	theories of Physics
PSO2	Develop experimental and data analysis skills through a wide range of experiments in the practical laboratories and interpret the results of observation, including making an assessment of experimental uncertainties
PSO3	Apply the theories learnt and the skills acquired to solve real time problems
PSO4	Understand and interpret physical information – verbal, mathematical and graphical.
	e of the program: First degree program in Biochemistry Biochemistry)
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PSO1	Understand scientific terms, concepts, facts, phenomenon and their relationships.
PSO2	Enrich the students with the latest development in the field of biochemistry, biotechnology and other related fields of research and development.
PSO3	Develop skill in practical work, experiments and laboratory material and equipment along with the collection and interpretation of scientific data.
PSO4	Provide practical experience to the students as a part of course to develop scientific ability to work in the field of research and other fields of their own interest and make them fit for society.
Nome	of the pregram: First degree pregram in Zeelegy
	e of the program: First degree program in Zoology
(BSc	Zoology)
PSO1	Understand the diversity, systematics, evolution, general characteristics, development and biological processes of organisms
PSO2	Understand and apply scientific methods in experiments and technology for the welfare of the organisms
PSO3	Understand the economical, ethological and medical aspects of organisms
PSO4	Analyze the current threats faced by the organisms and environment

Name	Name of the program: First degree program in Botany		
(BSc	(BSc Botany)		
PSO1	Understand structure and reproduction of plant forms algae, fungi,bryophytes, pteridophytes, gymnosperms and angiosperms		
PSO2	Understand basic concepts in methodology of science, plant systematics, ecology, anatomy, cell biology, physiology, molecular biology, genetics, plant breeding, biotechnology and bioinformatics		
PSO3	Understand recent trends in biological branches molecular biology, biotechnology, horticulture plant breeding and nanobiotechnology.		
PSO4	Experiment with essential laboratory practicals in anatomy, cytology, microtechnique,physiology, taxonomy,morphology, biochemistry and biophysics.		
	Name of the program: First degree program in Chemistry		
•	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: First degree program in Commerce with Finance (BCom Finance)		
PSO1	Understanding the importance of environment and sustainable development		
PSO2	Understand the knowledge regarding setting up of business, its legal environment and the role of management and marketing strategies in business		
PSO3	Identify the performance of business organizations through accounting and auditing		
PSO4	Apply the knowledge in solutions to problems in finance, taxation,and banking using the relevant statistical,mathematical and technological aspects		

	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 E	nglish)		
PSOI	To 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	Develop language learning skills like Listening, Speaking, Reading and		
	Writing.		
PSO4	Write analytically in different formats like essays, reviews, research papers		
	etc.		
Name	of the program: First degree program in Islamic History		
	slamic History)		
PSOI	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.		

Evaluate the cultural interactions of Islam in the global arena with special emphasis on the Indo-Islamic cultural formations.
Formulate a theoretical framework by analyzing the historical events and to distinguish the contemporary challenges in Islam.