Course outcomes of the Programmes

# B.Sc.(Economics)

- Communication of present findings and explanation of complex data. Demonstration of awareness of global historical and institutional forces (assess the role of domestic and international institutions) Recognizition of the role of ethical values in decision making.
- Knowledge to develop conceptual models of behavior to predict responses to changes in policy and market conditions and investigate these changes. Knowledge to make decisions in everyday life like desirability of a particular financial investment opportunity, impact of public policies on healthcare or higher minimum wage etc.

# B.Sc(Computer Sc)

- Learn how to organize information efficiently in the forms of outlines, charts, etc. by using appropriate software. Develop the skills to present ideas effectively and efficiently.
- Do Academic and Professional Presentations - Designing and delivering an effective presentation and developing the various IT skills to the electronic databases.
- Use the Systems Analysis Design paradigm to critically analyze a problem. Solve the problems (programming networking database and Web design) in the Information Technology environment. Function effectively on teams to accomplish a common goal and demonstrate professional behaviour.
- Develop IT-oriented security issues and protocols. Design and implement a web page. Improve communication and business management skills, especially in providing technical support. Serve as the System Administrators with thorough knowledge of DBMS.

# B.Com

- Academic Excellence : Students can cope up with the latest developments in contemporary, national and global level through effective transaction of the curricular and cocurricular aspects.
- Professional Excellence : Students will be motivated for positions of leadership in business organizations at the local, national and international levels. This course is also helps the students who want to pursue the Chartered Accountancy, Company Secretary or other related professional course.
- Effective Communication : Students can communicate clearly in person and through electronic media and make meaning of the world by connecting people, ideas, media and technology.
- Ethics : Students can recognize different Social and Ethical issues relating to business and research aspects.
- Social Interaction : Elicit views of others, mediate disagreements and help reach conclusions in group settings.
- Critical Thinking : Students can identify the business related problems and can able to apply different business related tools and techniques to solve the problem and to interpret results.

# BCA

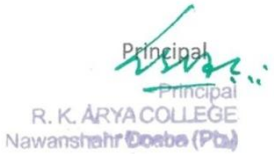
- Improve their computer literacy, their basic understanding of operative systems and a working.
- Develop criteria to organize and present different type of works in academic and professional environments.
- Knowledge of software commonly used in academic and professional environments. Learn how to organize information efficiently in the forms of outlines, charts, etc. by using appropriate software.
- Develop the skills to present ideas effectively and efficiently. Do Academic and Professional Presentations - Designing and delivering an effective presentation and developing the various IT skills to the electronic databases.
- Develop IT-oriented security issues and protocols. Design and implement a web page. Improve communication and business management skills, especially in providing technical support.
- Serve as the System Administrators with thorough knowledge of DBMS.

# B.Sc(IT)

- Will have the ability to communicate computer science concepts, designs, and solutions effectively and professionally.
- Apply knowledge of computing to produce effective designs and solutions for specific problems. Identify, analyze, and synthesize scholarly literature relating to the field of computer science; and use software development tools, software systems, and modern computing platforms.
- Work in a collaborative manner with others on a team, contributing to the management, planning and implementation of a computer system. Independently propose a small scale research project, plan its execution, undertake its development, evaluate its outcome and report on its results in a professional manner.
- Advance knowledge through innovation and knowledge creation. Pursue life-long learning in practice. Interpret and present theoretical issues and empirical findings.

# B.Sc(NM)

- Develop scientific attitude and temperament and give emphasis on the development of experimental skills, data analysis, calculation, measurements and also on the limitations and precautions about the experimental method data and results obtained.
- Understand the conceptual development of the subject and its application in emerging areas of Physic , Chemistry and Mathematics. Understand the scientific theories and its relevance in present context.
- Study mathematical tools to solve the problems in various branches in Physics. To enhance experimental skill through experiments in diverse fields



## Chemistry

- Demonstrate, solve and understanding of major concepts in different disciplines of Nonmedical i.e. Physics, Chemistry and Mathematics.
- Think scientifically and draw a logical conclusion and solve problems independently.
- Employ critical thinking and the scientific knowledge to design, carry out, record and analyze the results of the experiments.
- Use modern techniques, lab equipment to have experiment knowledge about subject.

## Physics

- Demonstrate, solve and understanding of major concepts in different disciplines of Nonmedical i.e. Physics, Chemistry and Mathematics.
- Think scientifically and draw a logical conclusion and solve problems independently.
- Employ critical thinking and the scientific knowledge to design, carry out, record and analyze the results of the experiments.
- Use modern techniques, lab equipment to have experiment knowledge about subject.

## Mathematics

- Demonstrate, solve and understanding of major concepts in different disciplines of Nonmedical i.e. Physics, Chemistry and Mathematics.
- Think scientifically and draw a logical conclusion and solve problems independently.
- Employ critical thinking and the scientific knowledge to design, carry out, record and analyze the results of the experiments.
- Use modern techniques, lab equipment to have experiment knowledge about subject.

# BA

## Punjabi

- To understand the interrelations between literature and society, explaining the nature of language and literature, obtaining the skills of literary criticism, imbuing the essay writing skills, illustrating the nature of literary forms like one-act-play and short story, imbuing the literary research attitude.

## English

- To gain knowledge on the fundamentalprinciples of English grammar including parts of speech, sentence types, sentence analysis, simple / compound/complex sentences, subject-verb agreement, pronoun usage, punctuation, capitalization etc.

## Geography

- Knowledge and Understanding:The student can explain principal terms, definition and theories (e.g. conceptual approaches in geomorphology).
- The student can describe landforms and land forming in different climatic zones and tectonic regimes. The student can explain different theories and models for landscape evolution.
- The student can discuss the development of micro to mega scale landforms and their life spans. The student can assess the mode of formation, age and history for landforms in world.

## Hindi

- Creating an interest in literature, availing the job opportunities in translation, transformation and media, developing language and increasing the critical attitude about literary studies.

## History

- To develop the ability to use historical sources and to locate primary sources, analyze evidence, and situate them in historicalcontext.

## Punjabi (Elective)

- Students will learn about Punjabi poets in literature. Students will have information about their poems outside the syllabus. Efforts will be made to think and act on the themes of the poems.

## Political Science

- Knowledge about political system of the nation.Study of national and international political affairs. Study from competitive examination point of view.Creating appropriate and efficient political leaders. Getting knowledge of political law.

## Computer Application

- Understand all basic fundamentals of Matrices and vectors - Learn to find rank of a matrix. - Learn to solve linear system of equations (homogeneous and non homogeneous) - Increasing Knowledge of the basic concepts of equations. - Aware of a variety learning aids that can be used in the teaching of solving equations. - Know how to transform the equation.

## Physical Education

- On completion of this course a graduate student should understand: Development of physique, strength, physical coordination, agility, the significance of Physical Fitness.

Principal
Principal
R. K. ARYA COLLEGE
Nawanshahr Doaba (Pb.)

# M.Com

- Academic Excellence : Students can cope up with the latest developments in contemporary, national and global level through effective transaction of the curricular and cocurricular aspects.
- Professional Excellence : Students will be motivated for positions of leadership in business organizations at the local, national and international levels. This course is also helps the students who want to pursue the Chartered Accountancy, Company Secretary or other related professional course.
- Effective Communication : Students can communicate clearly in person and through electronic media and make meaning of the world by connecting people, ideas, media and technology.
- Ethics :Students can recognize different Social and Ethical issues relating to business and research aspects.
- Social Interaction : Elicit views of others, mediate disagreements and help reach conclusions in group settings.
- Critical Thinking : Students can identify the business related problems and can able to apply different business related tools and techniques to solve the problem and to interpret results.
- Research Aptitude : Student can able to identify business related problem and perform different experimentations. This course helps the students who want to do research work in the area of statistics and other related areas.

# M.Sc(Computer Science)

- Will have the ability to communicate computer science concepts, designs, and solutions effectively and professionally.
- Apply knowledge of computing to produce effective designs and solutions for specific problems. Identify, analyze, and synthesize scholarly literature relating to the field of computer science; and use software development tools, software systems, and modern computing platforms.
- Work in a collaborative manner with others on a team, contributing to the management, planning and implementation of a computer system. Independently propose a small scale research project, plan its execution, undertake its development, evaluate its outcome and report on its results in a professional manner.
- Advance knowledge through innovation and knowledge creation. Pursue life-long learning in practice. Interpret and present theoretical issues and empirical findings.

# MA(Punjabi)

- Current status and development prospects of Punjabi language, literature and culture. Extensive employment related to Punjabi literature, teaching, journalism and typing.
- Employment opportunity in the world of entertainment through comprehensive study and training of Punjabi culture.

# M.A.(History)

- Student will learn basic narrative of historical events, chronology, personalities and turning points of the history of the India, World and Punjab.
- Build critical ability through competing interpretations and multiple narratives of the past, offer multi-causal explanations of major historical developments based on contextualized analysis of interrelated political, social, economic, cultural and intellectual processes.
- Evaluation of historical ideas, arguments and points of view, presentation of a summary of a topic in an organized, coherent, and compelling fashion orally or written.
- Construct original historical arguments based on primary or secondary source material and ability to identify and describe the contours and stakes of conversations among historians within defined historiographical fields.
- Students will acquire basic historical research skills, including, effective use of libraries, archives, and databases.

# PGDCA

- It will equip the students with skills required for designing, developing applications in Information Technology.
- Students will able to learn the latest trends in various subjects of computers & information technology.
- The PG Diploma is aimed at graduates with a computing background and provides a detailed coverage of the key concepts and challenges in data and resource protection and computer software security.
- To give hands on to students while developing real life IT application as part of the study.
- To train graduate students in basic computer technology concepts and information technology applications.
- Design and develop applications to analyze and solve all computer science related problems

# DCA

- Participate in the planning and implementation of animation projects. Develop and execute believable animation sequences.
- Create animation sequences that employ basic cinematography principles. Use story telling skills to create, develop and execute animation sequences.
- Apply performance theory to the creation of animation. Produce layouts and backgrounds with attention to composition, perspective and colour.
- Present a visual concept to a target audience Use computer skills and appropriate digital asset management techniques to function effectively within a production pipeline.