

## **Program Outcome: B.A**

1. Best productive human resource development is achieved through U G courses in Arts subjects.
2. Obtaining excellence through development of languages through teaching learning process to achieve richness in language spectra in and outside state.
3. Students excel in social science thereby producing social scientists to maintain stability in social fabric.
4. The students are absorbed in varied fields especially in the elite Administrative posts such as IAS,IPS, KAS, KPS etc
5. Through the knowledge of Arts subjects, harmonious development of the scholars takes place, thereby writers, thinkers, philosophers, politicians, statesmen; useful productive citizens are being produced.
6. Besides, contributing to the field of Economics, Commerce, Mathematics, Statistics, the scholars are acquainted with the sense of aesthetics, ethics, morality, cultural, and civilization richness.

### **Computer Application**

#### **Course out Come**

- To impart basic knowledge about computer hardware and software.
- To develop the ability to apply knowledge of computing appropriate to the discipline.
- To develop an ability to analyze a problem and identify and define the computing requirements appropriate to its solution.
- To attain an ability to design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs.
- To attain ability to put in use computer network for information communication and information acquisition.
- To attain an ability to use current techniques, skills, and tools necessary for computing practice.

#### **Course attainment**

Following are some of the opportunities for computer application students.

- To empower students with knowledge skills and attitude to develop comprehensive computing solutions and addresses the needs of academia industry and society.
- 2 The computer application students could have bright future in
  1. Software development
  2. Software maintenance
  3. Security and Surveillance
  4. Web Development
  5. Network Administrator
  6. Database Administrator(DBA)
  7. Desktop Publisher
  8. Cyber security analyst
  9. Web designer
  10. Data analyst
  11. Game designer
  12. Games developer
  13. Information systems manager
  14. IT consultant
  15. Machine learning engineer
  16. Multimedia programmer

## **Department of physics**

### **Course outcomes**

1. To make students understand core knowledge of physics, including the major premises of classical mechanics, E and M and modern physics.
2. To demonstrate an understanding of the impact of physics and science on society.
3. To demonstrate knowledge of classical mechanics, electromagnetism, quantum mechanics and thermal physics.

### **Course attainment**

- The pass outs are expected to absorb in various fields such as astrophysics, practical physics, biotechnology, nanotechnology, meteorology, condensed matter theory, quantum dynamics, plasma physics, laser physics and climate science.
- Students are expected to be capable of oral and written scientific communication so that they may think critically and work independently.
- The pass outs are absorbed in different departments like public departments, electrical engineering departments, hydro electric power projects etc.

## **Department of Political Science**

### **Course Outcome**

The Department of Political Science is committed to help students understand various dimensions of power, authority and governance that shape our lives and the lives of individuals around the world. Studying and discussing the key questions that confront political scientists can help students become better citizens.

- The course introduces the students to the idea of Political Theory, approaches, issues and the critical analysis of contemporary trends in Political Theory.
- To grapple with the constitutional design of state structure, institutions and the working of various structures. It encourages an analysis of state institutions in their mutual interaction with extra- constitutional environment.
- It helps students to grapple with the concepts, approaches, models of Comparative Politics in a broader and comparative perspective vis a vis developed and developing nations.
- The course introduces students to some of the important theoretical approaches for studying International Relations. Students are introduced to different theories, issues of International Politics in this changing globalised world. It provides a fairly comprehensive overview of the events starting from the 20<sup>th</sup> Century.

### **Course Attainment**

- The pass outs have greater scope in the administrative fields like state and central civil services.

- As far as the social fabric of society is concerned with the knowledge of political science society can have good statesman politicians, generic policy makers and over all good citizens.
- Apart from job opportunities in different Indian universities the political science graduates can avail jobs in different universities and research institutes across the globe, considering the scope of the subject world over.

## **Department of Mathematics**

### **Course outcome**

Students who successfully complete their graduation course in mathematics will be able to:

- Demonstrate an understanding of the foundations and the history of this subject.
- Read and understand middle level proofs.
- Develop and maintain problem solving skills.
- Communicate mathematical ideas with others.
- Participate in different job oriented competitive exams at state and national level.
- Use technology to address the mathematical ideas.

### **Course Attainment**

- With the growing importance placed on technology, big data and economic efficiency in all kinds of organizations, expert math knowing people are increasingly in demand.
- Those who study math are keen problem solvers and academic research is a common career path, but there are other career options available in business, economics and banking for the students of mathematics.
- The math graduates are occupying roles such as accountant, actuary, statistician, technician, economist, engineer, meteorologist and teacher as well.

## **Department of English**

### **Course Outcome**

The main outcomes of teaching English language and literature are as under:

1. Develop among students the ability to read, write, speak, analyse and interpret texts.
2. Develop aesthetic and critical sense among students.
3. Develop understanding of the literary tradition of the English speaking countries.
4. Provide knowledge about the literary theories of prominent philosophers and critics in the field.

### **Course Attainment**

1. The outgoing students of this college are equipped with the essentials of language and literary knowledge that may help them to achieve better jobs as per market demand.
2. The students could easily adjust themselves in any foreign setup due to their competence in English.
3. English department provides translators in varied departments like Journalism, Literary Academies, Print Media and Electronic Media.

### **Department of Urdu**

#### **Course Outcome**

The subject of Urdu is being taught since centuries throughout the length and breadth of Jammu and Kashmir. It has achieved the zenith in terms of knowledge, job opportunities, skill enhancement, translation and transcreation, literary criticism, journalism, print and electronic media. The broader outcomes of teaching the subject of Urdu at UG level are as under:

1. The students in general are taught Urdu subject so as to make such human resources as useful productive citizens for the society.
2. The students are taught Urdu literature, history of Urdu language, criticism, poetry, prose and recent trends and developments so as to make them aware about the present global literary scenario.
3. The students are equipped with prevailing advanced knowledge through Urdu language to obtain the richness and aesthetical pleasure in the literature.

### **Course Attainment**

1. The pass outs are absorbed in varied fields such as Journalism, Translation, Academics, Print and Electronic Media, Revenue Departments and Judiciary.
2. A bulk of pass outs are absorbed in different colleges of the state.

3. The skill enhancement courses in Urdu have benefited a lot to the UG Students.

### **Department of Economics**

#### **Course outcome**

A Bachelors/UG course in economics equips students with basic theory of the subject as well as applied statistics and mathematics complementary to it.

- The students learn the qualities of leadership and decision making at a young age helping them throughout their life in their respective pursuits and professions.
- The students develop a good theoretical knowledge and technical knowhow of applied math's, statistics and computers and are trained to face the tough competitive job market.
- The students develop analytical thinking and research temper to see the real world in their own way and to develop a different perspective and opinion.
- Skill development courses introduced in the college curriculum will definitely help the students to divert their minds from mere Government or private jobs and will help them explore other lucrative ventures as well.

#### **Course Attainment**

- Students with economics are easily absorbed in state administrative and statistical services, accounts, academics etc.
- They are hired as research analysts, entrepreneurs, innovators, planners and policy makers.
- The students of economics are very dynamic and can be appointed in various departments of Government and private sector as they can qualify various prestigious exams like IES, KES, IAS, KAS and various state level exams such as SA, JSA, Accounts related jobs, Finance related jobs, Bank jobs etc, where bachelors in economics is the basic eligibility.
- People knowing economics well have started their own private business and have made their lives independent in today's world of job scarcity.

### **Department of Statistics**

#### **Course Outcome**

- To develop among students the ability to deal with collecting, organizing, analyzing and presentation of data to derive meaningful conclusions.

- To make the students understand the world by using the logical approach by the interpretation of the observations.
- Students are taught various statistical soft-wares like Excel and R-software for practical purpose at UG level.
- Students acquire the knowledge of Sampling, Probability, Hypothesis-testing, Operation Research and Design of Experiment.

### **Course Attainment**

The increasing role of statistics in contemporary times and its use in diverse areas including marketing, finance and strategy making, students are well trained to acquire tools in the areas of applied statistics, statistical methods, econometrics, Bio-statistics etc. to get absorbed and for making careers in these fields.

- Students with statistics can be appointed in various Government Departments as ADs, SA, JSA, teachers, accounts jobs, finance jobs, bank jobs etc
- Students can use statistics in medical sciences and engineering courses for doing analysis which is helpful for policy making.
- The subject of Statistics has a good scope in private sector as well. They can be hired for various statistical jobs related to analysis of data through various advanced statistical soft-wares.

### **Department of Geography**

#### **Course outcome**

The outcome of teaching the subject of geography at UG level is as under:

- The students in general are taught geography subject so as to make such human resource as useful productive citizens for the society.
- The students are taught physical geography, geographical thought, human geography, general geography of world, India and J&K, remote sensing and GIS (Geographical information system), practical geography so as to overcome contemporary challenges like land use, climate change, global warming, floods, earth quakes, rural planning, urban planning, distribution of settlements, natural and anthropogenic disasters etc.

- The students not only contribute enormously to social good but also stimulate the future scenarios for efficient management and sustainable resources.

### **Course Attainment**

- After Successful completion of UG Course, some of the students are admitted in University of Kashmir, University of Jammu, and other Universities across the country for higher education.
- Most of the students who choose Geography as career are placed in various organizations like Meteorological departments, Railways, Urban Planning, Rural planning, PSC, Remote sensing, GIS (Geographical information system).
- The pass-out graduate of Geography also become successful cartographers and also acquires various fields in tourism department.

### **Department of Education**

#### **Course Outcome**

1. To promote skills of pedagogy among the students.
2. To inculcates harmonious development of personality.
3. To promotes professional development.
4. The course helps to develop moral, aesthetic and ethical values among the students.
5. The course provides awareness to the students about different contemporary social issues, problems and remedial measures to these issues.

#### **Course Attainment**

1. The course helps the students in getting the job of teaching in education department.
2. The students also get absorbed in social welfare department.
3. The students of education are contributing enormously to the society by becoming educationists and policy makers.
4. Teaching professionals are developed through the subject of education.

### **Department of Arabic**

#### **Course Outcome:**

The Department of Arabic Language and Literature is one of the few departments established at the start of this college. It aims at producing students who are competent to cater to



existing and emerging needs in the field of Arabic Language and Literature. There are tremendous employment opportunities in this field within and outside the country. The main outcome of teaching Arabic language and literature at UG level are as under:

- To develop aesthetic taste of learning Arabic language and literature thereby developing the literary critical sense.
- To develop an understanding of Arabic culture and tradition of the Muslim societies.
- To make students aware about the tradition and theories of the people before the advent of Islam.

#### **Course Attainment:**

1. The pass out students can easily chose their field such as translation, translators at tourist spots, embassy, journalism, composing and type writing, electronic media, academies.
2. Having a complete hold on Arabic language the students can easily adjust themselves according to the need of the global market.

#### **Department of Islamic Studies**

##### **Course outcome of the Subject**

The outcome of the Subject of Islamic Studies at UG level is as follows:

- Students are enlightened with the knowledge of world civilization in general and Muslim civilization in particular.
- The students are introduced to different religious sciences which include ; ‘Ulūm al - Qur’ān, ‘Ulūm al -Ḥadīth, Fiqh (Jurisprudence).
- The students are acquainted with the knowledge of inter-disciplinary sciences, like, History, Political science, Sociology, economics etc.
- The students are pushed towards the philosophical and logical understanding the aesthetic taste of sciences with the help of ‘Ilm al Kalām , Philosophy and Taṣawwuf .

#### **Course attainment in the Subject of Islamic Studies**

- The subject having the global repute has great job opportunities in different world universities in general and more specifically in gulf countries.

- Keeping in view the overwhelming response of the world towards the Islamic banking, the students of Islamic studies have a bright future in this field.
- Islamic studies as being taught in different Indian universities, (Aligarh Muslim University, Jamia Millia Islamia, JNU, Osmania University, MANUU, Jamia Hamdard, University of Kashmir, Central University Kashmir, IUST Awantipora, BGSBU Rajouri, etc.) has great job prospects in the academic arena.

## **Department of History**

### **Course outcome of the Subject**

The outcomes of the Subject of History at UG level are as follows:

- To develop a critical understanding of historical forces, movements, social processes and structures.
- To understand the back ground of various religious institutions and administration.
- To understand the present existing social, political, religious and economic conditions of the people.
- To understand world, revolutions, movements, intellectuals and formation of states and struggles.

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### **Course attainment**

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- A good number of students choose history for the purpose of higher education.
  - The subject of history helps number of students to qualify competitive exams like IAS and KAS.
  - The students of history helps get adjusted in school education department as teacher's lectures.
  - They get accommodated in museums, archives and archeological survey of India.
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### **Programme outcome for B.Sc.**

- Basic knowledge is imparted in various subject like, chemistry, botany, zoology, physics etc
- The UG course in Science aims at developing the scientific temper among the budding students thus helping them understand the fundamental principles and theory of science.
- Developing skills of observations and analysis of the given scientific data so as to draw the objective conclusions.
- Developing an attitude of problem solving through novel ideas.
- Encourage students to go about things practically and logically before drawing conclusions.
- The beauty of the programme is that it generates many interdisciplinary courses which make life more comfortable.

### **DEPARTMENT OF BOTANY**

#### **COURSE OUTCOME FOR BOTANY**

- Students learn about the plant biodiversity (Algae, Fungi, Bryophytes, Pteridophytes and Gymnosperms), their structure and life cycle.

- Students are made aware of the plant nomenclature, their morphology, anatomy and embryology.
- To impart knowledge of plant cells, tissues and their functions.
- Students are made to understand ecological interconnectedness of life through energy and nutrient flows in ecosystems.
- Understand the process of Photosynthesis, Respiration and Nitrogen metabolism.
- To provide knowledge of the nature and function of genes, processes of inheritance.

#### **Course Attainment:**

- As a graduate in botany students can have many opportunities in horticulture, agriculture, pomology, environmental biology.
- Students can opt for a career as professional botanists while being pomologists, Wildlife Biologists, Conservationists, Teachers, Lecturers, Scholars, Scientists and Naturalists.
- Self employment through mushroom cultivation, medicinal plant cultivation and nursery activity.

#### **Department of Chemistry**

##### **Course outcome**

- The course outcome is that students understand the behavior vis-à-vis interaction between matter and energy both at micro (atomic) and macro (molecular) level.
- The course introduces students to general chemistry lab where they become aware about composition, structure properties and reaction of matter.
- The study of three branches of chemistry (Physical, Inorganic, and Organic) is imparted to students to understand the principles of kinetics, thermodynamics, and equilibrium. It makes students interpret nuclear processes and also develops competence in collecting, interpreting and reporting data in the laboratory. Besides students are made to identify organic functional groups in laboratory through various experiments.

#### **COURSE ATTAINMENT**

As a graduate in Chemistry student can have many opportunities in hand vis-a-vis,

- Agro-chemist
- Metallurgist

- Patro-Chemist
- Pharmacist
- Plastic and Polymers
- Toiletries
- Analytical Chemist
- Chemical Information management Specialist
- Quality Control and Quality Assurance

And many more opportunities are available to a student which can employ him after attaining a graduation with chemistry as a subject.

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**DEPARTMENT OF ZOOLOGY**  
**GOVT. DEGREE COLLEGE BIJBHARA**

**COURSE OUTCOME FOR ZOOLOGY**

With varied fields in its domain, Zoology helps the students to:

- Understand the divine plan of evolution of animal kingdom while getting insight into the diversity of invertebrates and vertebrates.
- Learning zoology provides students with an opportunity to understand the complexity of the building blocks (Cell) of an organism, its biochemical nature, and ground

fundamentals of Physiological processes operating and maintaining the body besides understanding the role of Genes in heredity and their repair and translation mechanisms.

- Learn the relationship of animals with parasites while discussing parasitology for having know-how of the ways and means the parasites are carried on from one host to other and the preventive measures to be taken care of for avoiding transmission.
- Have basic understanding of standard procedures in the areas of Dissection, Morphometry, Physiology, Biochemistry, Genetics etc, while performing practicals in laboratory.
- Learn the applications of skill courses like Apiculture, Aquaculture in day today life as future employment opportunities.

### **COURSE ATTAINMENT:**

- One who pursues zoology as a course can opt for a career as professional Zoologist while being Curators, Wildlife Biologists, Conservationists, Animal Behaviourists, Biological Laboratory Technician, Teachers, Lecturers, Scholars, Scientists, Naturalists
- The students can become self employers while learning Apiculture, Sericulture, Aquaculture, Fisheries etc.
- The students can work as whistleblowers/ social agents of awareness about the dwindling wild flora owing to modification in the natural habitats and niches.

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### **DEPARTMENT OF ENVIRONMENTAL SCIENCE**

#### **Course outcome:**

The environmental education is very necessary as ecological problems like population explosion, migration, rehabilitation, urbanization, industrialization, flood, desertification, land degradation, pollution, loss of biodiversity etc has caused imbalance to different ecosystems. Course outcome of teaching of Environmental science at UG level are as under:

- To prepare students to choose carrier in different fields to understand environmental issues from wider perspectives.
- To provide knowledge of environment and its related fields so that students know how to conserve environment in their day to day life.

- To enable students to relate environmental studies with economics, political Science, Sociology, Education, physics, chemistry, Botany which will help them to understand the complex environment in a better way.
- To make students aware about the nature of pollutants and their impact on different phases of life.

**Course attainment:**

- The Environmental Studies facilitate students in understanding of complex environmental issues from a problem-oriented, interdisciplinary perspective from local to global level and hence, there is an opportunity to get placed in national as well as at international level.
  - After Successful completion of UG Course, some of the students are admitted in University of Kashmir, University of Jammu, and other Universities across the country for higher education.
  - Most of the students who choose Environmental Science as career are placed in various organizations like State Pollution Control Board, Department of Remote Sensing, LAWDA, JK Public Service Commission, JK Tourism, Urban and Housing Department.
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