

# **MAHARAJA BIJLI PASI GOVERNMENT P.G. COLLEGE**

## **SUBJECTS AND RELATED PROGRAMME OVERVIEW**

The subjects offered at Maharaja Bijli Pasi Government P.G. College, Lucknow, deal with the study and application of the syllabus (designed by the University of Lucknow) and general decision-making. Exposure to different subjects builds the analytical capacity of the students. The college aims to produce successful and competent students who are ethically and socially responsible individuals with an interdisciplinary orientation.

## **FACULTY OF ARTS**

### **1. Department of Economics**

#### **Programme Objectives**

The programs offered by the Department of Economics, MBP College, Lucknow, as designed by the University of Lucknow, provide a general understanding of the functioning of the economic system and the role of institutions within that system; and prepare the student for employment in industry, the professions, and government, or to pursue graduate work toward such advanced degrees Economics or related fields.

#### **Programme Specific Outcomes**

The learning output of this Programme is to ensure the development of an understanding of Micro and Macro Theory and their application to Economic sub-fields. On successful completion of this course, the student is well versed in the concepts, tools, and principles in the field of Economics and related fields.

### **2. Department of English**

#### **Programme Objectives**

The Program in English aims to develop a basic understanding of the English language and literature by extending the comprehensive overview of the various

periods of the history of English literature. The syllabus aims towards an understanding of British literature, American literature, and Indian literature in English through thorough readings of seminal texts. Helping the students recognize the nature and scope of translation and developing an understanding of the literary texts based on genre, theme, style, and place of origin. Furthermore, developing reading and writing skills and a comprehensive vocabulary knowledge so that the students can improve their communication skills effectively.

#### Programme Specific Outcomes

Understanding the history of English literature and exploring its relevance in specific details. Comprehending and analyzing the characteristics of literary genres and their development in chronological order. Enhancing English writing skills and understanding the fundamental concepts of language and communication. Applying the knowledge of literary genres in interdisciplinary fields. Reading and analyzing the representative texts as categorized under the various genres. Communicating the new ideas of literature through written and verbal assessment. Identifying the political and intellectual interrelations between literature and society.

### **3. Department of Home Science**

#### Programme Objectives

The objective of the course is to provide insight to the potential, responsive, talented, productive citizens of the nation regarding various areas of Home Science with the primary objectives of women-oriented skill development and enhancement, capacity building for entrepreneurial development, and student-centric and job-oriented courses.

#### Programme Specific Outcomes

The Program trains students to Understand basic and advanced theoretical and practical knowledge in Home Science. Provide advancement in skills related to Home Science. Convert knowledge and skill into entrepreneurship models. Become responsible citizens with a professional attitude.

The course focuses on principles, skills, and practical capacity building to prompt them for higher studies or initiate their enterprise.

#### **4. Department of Hindi**

##### Programme Objectives

The Programme aims to provide the students with knowledge of Hindi Literature and language in its most refined forms. The syllabus is designed as such to promote feelings of nationalism and patriotism through the study of poetry, prose, and drama. Studying the different writers and their works over the centuries helps the students aspire for specialisation in the subject.

##### Programme Specific Outcomes

Understanding the history of Hindi literature and exploring its relevance in specific details. Comprehending and analyzing the characteristics of literary genres and their development in chronological order. Enhancing Hindi writing skills and understanding the fundamental concepts of language and communication. Applying the knowledge of literary genres in interdisciplinary fields. Reading and analyzing the representative texts as categorized under the various genres. Communicating the new ideas of literature through written and verbal assessment. Identifying the political and intellectual interrelations between literature and society.

#### **5. Department of History**

##### Programme Objectives

History is a vast subject and is studied under different phases. The University of Lucknow has designed the syllabus to keep the students abreast of the developments in the Medieval and Modern periods of Indian history as well as the history of Europe in a proper framework of time. History courses have been designed keeping in mind the chronological sequence of developments in relevant areas of Indian/European history.

##### Programme Specific Outcomes

The objective is to give the students a holistic view of the study of history within a given time framework. It is expected that the courses designed in each semester will augment the knowledge of the students and will prepare them to take various

competitive exams. They can also join programmes for teachers training run by the Government for school teachers after completing the B. A. programme.

## **6. Department of Psychology**

### Programme Objectives

A degree with Psychology as a subject will help students to learn basic concepts of Psychology in different areas like learning, memory, intelligence, child development, social psychology, assessment, abnormality, personality, etc. It will enable them to learn the theories and mechanisms for explaining human thought and behaviour and enhance their knowledge of practical aspects as well. They will be able to understand the applications of different methods, theories, and concepts studied in Psychology.

### Programme Specific Outcomes

The course offers good progression where individuals seek to attain their higher studies in Psychology. This will enable the learner to become familiar with the significant theories of basic psychological processes, personality, signs and symptoms of abnormality, and assessment of behavior and thoughts of the individual with the help of various tests and experiments. This course will also help them learn the social aspects of a community or society. It will enrich their knowledge about how the development of each individual takes place in different spheres of their life.

## **7. Department of Sanskrit**

### Programme Objectives

To acquaint the students with Classical Sanskrit Prose, Poetry, and Drama literature. The Programme also seeks to help students negotiate the text independently with the help of proficiency in Sanskrit. This Programme aims to teach students the basics of Sanskrit grammar through Laghusiddhāntakaumudī based Sajnā, Sandhi, Kridanta, Raupasiddhi, and Samasa prakarana. Students will be able to understand the application of Pāṇini's sūtras.

### Programme Specific Outcomes

To introduce Philosophy, Religion, and Culture in Indian Sanskrit Tradition to the students. Indian philosophical tradition advocates an integrated approach to a human personality where material and psychological growth complement each other. This course seeks to introduce some theoretical concepts and practical techniques for the development of the human person. The purpose is to learn about selected Vedic and Classical meters with lyrical techniques.

## **8. Department of Physical Education**

### Programme Objectives

The Programme aims to introduce students to the importance of keeping physically fit in all stages of life. The course outline deals with the biological study of physical education as a subject and also, at the same time, emphasise the need, sociological, historical and physiological aspects of the study of Physical Education as a subject.

### Programme Specific Outcomes

The course offers good progression where individuals seek higher education in the subject. The subject caters to the mental and physical needs of the students who wish to excel in the field of sports, as there is a great potential for practical work and field work through indoor and outdoor games, which help inculcate team spirit and organisational skills.

## **9. Department of Sociology**

### Programme Objectives

To acquaint the students with sociology as a social science and the distinctiveness of its approach among the social sciences. The syllabus aims to expand the awareness and analysis of the human social relationships, cultures, and institutions that profoundly shape our lives and human history through its particular analytical perspective, social theories, and research methods.

### Programme Specific Outcomes

Providing initial knowledge about society, social life, and social interactions. It prepares an individual for social life by inculcating values, morals, and manners. It gives knowledge about communities where individuals can interact and adjust, whether in rural, urban, or tribal societies.

## **10. Department of Geography**

### Programme Objectives

The main goal of the Programme is to provide students with a comprehensive understanding of the topic by giving equal weightage to the fundamental ideas and methods of geography. The curriculum makes an effort to place equal emphasis on the physical and human components of geography. The theoretical and practical components of curriculum design receive special consideration to familiarise students with contemporary technical concepts and tools, preparing them for employment opportunities in a variety of public and private organisations.

### Programme Specific Outcomes

Studying geography will help students understand climate, topography, and demography, help fight climate change, be a part of a global community, understand cultures, and learn history. At the end of the day, geography will help students become better global citizens. The subject will help students prepare for competitive examinations.

## **FACULTY OF SCIENCE**

### **1. Department of Botany**

#### **Programme Objectives**

The syllabus is designed to prepare the students for higher studies on a broad base of interrelated subjects. Enable students to make informed choices regarding their future academic stream or endeavours. Arm students with the necessary experience to correlate theory with practical aspects.

#### **Programme Specific Outcomes**

Upon completion of the Programme, the students would be equipped with the following:

- Knowledge necessary to identify plants and microorganisms.
- Understanding of the importance of plants in human life.
- Learning about the applications of plants in various industries.
- Awareness about environmental conservation and sustainable use of plants.
- Intellect to assess the socio-economic challenges related to plant sciences.
- Aptitude to comprehend the role of microbes and higher organisms in biotechnology
- Academic skills for a successful career in Botany and related spheres.
- Aptitude and creativity required to become a successful entrepreneur in affiliated enterprises

### **2. Department of Chemistry**

#### **Programme Objectives**

The Program aims to demonstrate an acute understanding of the significant thematic concepts underlying the discipline of chemistry, both individually as well as in a group, via written assignment and viva. It aims to develop amongst the students a scientific understanding of the subject to enable them to design, conduct, record, and analyse the result of chemistry experiments. It will prepare students for the upcoming employment challenges, including pursuing higher

records with an emphasis on encouraging entrepreneurial instinct. It would generate new scientific insight and their application towards enhancing innovation in the national economy.

### Programme Specific Outcomes

The study of Chemistry would encourage the publication of innovative research in leading global publications. The student will develop a scientific temper and innovative analytical mindset that sets them apart from students in other comparable programmes across India. The chemistry of elements, coordination complexes, structure, and properties of some well-known compounds. Principles of organic chemistry form the basis of organic synthesis and retrosynthetic pathways for structural elucidation. Learn about the Pro-chiral and chiral syntheses protocols in brief, as well as the physical aspects of chemical sciences which, when amalgamated with the understanding of inorganic and organic chemistry, benefit the design, fabrication measurements, and applications of the newly synthesized compounds meant for electrochemical, medicinal, optoelectronic and materials applications.

## **3. Department of Physics**

### Programme Objectives

To understand the concepts and significance of the various physical phenomena. To carry out experiments to understand the laws and concepts of Physics. To apply the theories learned and the skills acquired to solve real-time problems. Studying physics strengthens quantitative reasoning and problem-solving skills that are valuable in areas beyond physics.

### Programme Specific Outcomes

Enabling the students to demonstrate their knowledge of the basic scientific principles and fundamental concepts and skills of the field. Solve problems utilizing scientific reasoning and quantitative methods and acquired knowledge and skills. Communicate scientific ideas clearly and effectively.



## **4. Department of Mathematics**

### Programme Objectives

Maths is all about problem-solving. Not only will you learn how to solve complex mathematical equations, but the skills you develop while working on mathematical functions will develop your problem-solving abilities in other ways, including Pattern spotting, Visualising, Working systematically, and Using logical reasoning. Whether or not the students pursue a career in mathematics or another industry entirely, these talents will be of value in any number of careers and situations.

### Programme Specific Outcomes

Students will recognize problem-solving techniques appropriate to a given situation, including developing mathematical models, identifying assumptions, understanding the limitations of models, and using both graphical and numerical methods.

## **5. Department of Commerce**

### Programme Objectives

The Purpose of this Programme is to promote understanding of the issues confronting the business world and the economy as a whole. The Program will help understand various systems, policy frameworks, and strategies needed to administer the rapid changes in an organization's globally-oriented environment. This Program will instill in the students the knowledge and capability to understand the business world and its complexities. It will also develop the ability and competence to have a problem-solving approach toward the issues accompanying the dynamism attached to the business world.

### Programme Specific Outcomes

Enables learners to get theoretical and practical exposure in the commerce sector, including Accounts, Commerce, Marketing, Management, Economics, Environment, etc. Develops communication skills and builds confidence to face the challenges of the corporate world. Enhances the capability of decision-making at personal and professional levels. It makes students industry ready and develops various managerial and accounting skills for better professional

opportunities. Also, it develops entrepreneurial skills among learners. Strengthens their capacities in varied areas of commerce and industry, aiming towards holistic development of learners. Thus, after graduation, learners develop a thorough understanding of the fundamentals of Commerce and Finance.