

*Final*  
**UNIVERSITY OF LUCKNOW**  
**LUCKNOW**



**First-degree Programme**  
**Ordinances 2021**

## 1. Applicability

These ordinances shall apply to all four-year, eight semester, First-degree Programmes in the University of Lucknow and associated Colleges from the session 2021-2022.

## 2. Definitions of Key Words

**a) Academic Year:** Two consecutive semesters, one odd semester and one even semester shall constitute one academic year.

**b) Choice Based Credit System (CBCS):** The CBCS provides choice for students to select from the prescribed courses (core, elective, value added, intra-departmental and inter-departmental).

**c) Course:** Sometimes referred to, as 'papers' is a component of a programme. A course is designed to comprise lectures/ tutorials/laboratory work/field work/ outreach activities/ project work/ vocational training/ viva/ seminars/ term papers/ assignments/ presentations/ self-study etc. or a combination of some of these.

**d) Credit:** A unit by which the weightage of course work is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of teaching (lecture/tutorial) or two hours of practical work/field work per week.

**e) Cumulative Grade Point Average (CGPA):** It is a measure of overall cumulative academic performance of a student.

**f) Grade Point:** It is a numerical value allotted to marks obtained in a course.

**g). Grade/Score Card:** The grade cards will be given to all students at the end of any semester of a programme and also on improvement of grades. It will display the course details (code, title, number of credits) grade points obtained in each course, and SGPA/CGPA.

**h) Letter Grade:** It is an index of the performance of students in a said course. Grades are denoted by letters A+, A, B+, B, C, D, P, F and Ab.

**i) Programme:** An academic programme leading to award of a Certificate, Diploma, Degree or Degree with Research.

**j) Semester Grade Point Average (SGPA):** It is a measure of academic performance in a semester.

**k) Semester:** Each semester will consist of academic work equivalent to 90 working days including examination/evaluation. The odd semester will be from July/August to December and even semester from January to May in every academic year.

**l). Transcript:** The Transcript issued on successful completion of all semesters of a program will display the course details (code, title, number of credits) and grade points obtained in each course, and CGPA.

### 3. Types of Courses

**a) Core Course:-** Core course is a course which is compulsory for a student to study.

**b) Elective Course:-** Elective course is a course which can be chosen from a pool of elective courses offered in any programme.

**c) Foundation Course:-** In addition to other courses, Foundation Courses may be offered wherever required. The performance in these courses shall not be counted for computation of 'SGPA' and 'CGPA'.

**d) Credited Value-Added Course:** These courses add value through enhanced employability and technical skills and have credits assigned to them and may be offered through Vocational and Co-curricular courses.

**e) Non-credited Value-Added Course:** These courses may be offered to add value through enhanced employability and technical skills but do not have credits assigned to them. The performance in these courses shall not be counted for computation of 'SGPA' and 'CGPA'.

**f) Vocational Course:** These courses will be offered by the Departments/ Institutes in different Faculties of the University/College as value added courses for enhancing employability. There will be a capping on the maximum number of students in a particular course as specified by the department/ institute concerned.

**g) Co-curricular Course:** These courses will be offered by the Departments/ Institutes in different Faculties of the University/College as value added courses for overall personality development. There will be a capping on the maximum number of students in a particular course as specified by the department/ institute concerned.

**h) Internship:** All students of First Programmes shall be required to undertake an Internship/Term-Paper during the summer vacation between fourth and fifth semester, carrying credits as specified.

**i) MOOCs:** The student will have the freedom to choose a similar course of equal credits (as approved by the Vice Chancellor on the recommendation of the Department Committee) out of the MOOCs portal of UGC, in place of a Course offered in the semester as specified by the Department. MOOC courses may be opted depending upon the availability on the government approved portal.

**j) Dissertation/ Major Project:** All students of UG Programmes shall be required to prepare a Dissertation/Major Project in the eighth semester carrying credits as specified.

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#### 4. Minimum Eligibility Requirement and process of Admission

**4.1 Admission Procedure:** The admission of students who are Indian Nationals, shall be based on merit determined on the basis of performance in the entrance test or academic merit or a combination of the two as per the procedure decided by the Admission Committee of the University and reservation/ weightage in admissions shall be as per the UP-Government rules. However, Foreign Nationals applying for admission through authorised channels shall be eligible for direct admission.

**4.2 Minimum Eligibility Requirement:** No student shall be eligible for admission to a first-degree programme in any of the faculties unless he/she has successfully passed the examination conducted by a Board/University at the +2 level (Class XII) of schooling with 40% marks in aggregate (36% for SC/ST/PH) either through formal schooling for 12 years or through open school system or its equivalent. However, the respective regulations may lay down additional or higher requirements.

**4.3** Student enrolment shall be in accordance with the academic and physical facilities available keeping in mind the norms regarding the student-teacher ratio, laboratory, library and such other facilities. The in-take capacity shall be determined at least six months in advance by the admissions committee and incorporated in the admission brochure for information of all concerned.

**4.4** Depending upon the academic and physical facilities available, the University may allow admission of certain number of students to the second year and third year of a first-degree programme, if the student has successfully completed the first year or second year respectively of the same programme in another institution.

#### 5. Program Duration and Credit Requirements

a) The first-degree programmes shall be spread over eight semesters (4 academic years). In addition, there shall be an Internship/Term Paper after the fourth semester.

b) The maximum duration for completing the first-degree programme, shall be six consecutive academic years (N+2 as per UGC guidelines).

#### 6. Fees

The fee charged from the students of the First Degree programmes shall be as decided by the Finance Committee and approved by the Executive Council.

#### 7. Course Structure

The course structure and course outlines of the first-degree programmes shall be as per the Regulations of the respective programmes as recommended by the respective Board of Studies and approved/passed by the competent bodies.

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## 8. Attendance Requirement

The minimum number of lectures, tutorials, seminars and practicals which a student shall be required to attend for eligibility to appear at the examination shall be 75%. However, in exceptional cases, the Dean of the Faculty concerned may grant a relaxation in the minimum attendance requirement by not more than 15% on the basis of genuine reason.

## 9. Examination(s) and Assessment /Evaluation:

9.1 In all credit courses (other than Internship/ term paper report and Dissertation/ major Project), there shall be continuous internal assessment of the students and Semester-end Examinations as per the scheme of Examination.

9.2 The Semester-end Examination shall have a weightage of 75 marks. Questions for this examination shall be set by a panel of examiners approved by the Board of Studies. Odd semester exam will be descriptive where students answer 5 out of 10 questions. Even semester exam will have MCQ where students answer 75 out of 150 questions. Any change in examination pattern will be decided by the Vice Chancellor.

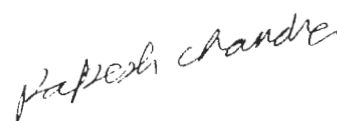
9.3 The question papers for the examinations shall be set in such a manner as to ensure that they cover the entire syllabus of the concerned course. The tests and examinations shall aim at evaluating not only the student's ability to recall information, but also his/her understanding of the subject and ability to synthesize scattered bits of information into a meaningful whole. Some of the questions shall be analytical and invite original thinking or application of theory.

9.4 While the actual process of evaluation shall be confidential, the system of evaluation shall be sufficiently transparent, and a student may be given a photocopy of his/her answer sheet, if requested as per procedure laid down in this regard.

9.5 The continuous internal assessment shall have a weightage of 25 marks and shall be based on factors such as attendance, class tests, participation in seminars, group activities, quizzes, individual and group assignments/presentations, term papers, class participation, co-curricular and extracurricular activities, viva-voce etc.

9.6 It shall be the duty of the Teacher teaching a particular course, to conduct internal assessment. In case more than one teacher is sharing the teaching work in a course, each teacher shall evaluate independently and a weighted average would be taken.

9.7 (a) The evaluation of Internship/Term Paper Report will be done in the fifth semester carrying four credits. The student is required to submit the report along with the requisite certification from the concerned Institute/Organization. The panel for the evaluation of internship/ term paper report (carrying 75 percent weightage) and, presentation by the student and viva-voce (carrying 25 percent weightage) shall be as recommended by the Board of Studies (the Dean/Head/Director/Co-ordinator shall coordinate the process).





**9.7 (b)** Dissertation/ Major Project Report will be evaluated in the eighth semester carrying twenty-four credits. The student is required to submit the dissertation/ Major Project Report along with the requisite certification from the concerned supervisor. The panel for evaluation of Dissertation (carrying 75 percent weightage) and, the presentation by the student and viva-voce (carrying 25 percent weightage) shall be as recommended by the Board of Studies (the Dean/Head /Director/Co-ordinator shall convene and coordinate the process).

**9.8** For the ease of computation, the assessment/evaluation of each course will be out of a maximum of 100 marks (25 for internal assessment and 75 for end of semester examination) irrespective of number of credits allotted to the course. The marks shall be converted to grades as per the table 9.8A in case of BBA, BCA, BCom (Hons) and other professional UG Programmes, and the table 9.8B in case of BA, BSc, BCom and other similar Programmes:

**Table 9.8A**

Marks obtained	Numeric Grade	Letter Grade	Meaning
85 and above	8.5 to 10.0	A+	Outstanding
70 to 84.9	7.0 to 8.49	A	Excellent
60 to 69.9	6.0 to 6.99	B+	Very Good
55 to 59.9	5.5 to 5.99	B	Good
50 to 54.9	5.0 to 5.49	C	Above Average
40 to 49.9	4.0 to 4.99	D	Average
Less than 40	0.0	F	Failed

**Table 9.8B**

Marks obtained	Numeric Grade	Letter Grade	Meaning
85 and above	8.5 to 10.0	A+	Outstanding
70 to 84.9	7.0 to 8.49	A	Excellent
60 to 69.9	6.0 to 6.99	B+	Very Good
55 to 59.9	5.5 to 5.99	B	Good
50 to 54.9	5.0 to 5.49	C	Above Average
40 to 49.9	4.0 to 4.99	D	Average
33 to 39.9	3.3 to 3.99	P	Just Pass
Less than 33	0.0	F	Failed

### 9.9 Computation of SGPA and CGPA

The Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA) shall be computed as follows:

**a)** The SGPA is the ratio of sum of the product of the number of credits with the grade points scored by a student in all the courses taken by a student and the sum of the number of credits of all the courses undergone by a student, i.e

$$SGPA (S_i) = \sum (C_i \times G_i) / \sum C_i$$

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**b)** The CGPA is also calculated in the same manner taking into account all the courses undergone by a student over all the semesters of a programme, i.e.

where  $S_i$  is the SGPA of the  $i^{\text{th}}$  semester and  $C_i$  is the total number of credits in that semester.

**d)** Whenever a student is permitted to repeat a course, the better grade of the two, will be taken for the computation of SGPA and CGPA.

**g)** Those students who are eligible for promotion and wish to improve their grades, may choose to reappear in the end of semester examination to improve their grades, within the maximum stipulated time period allowed to complete the programme. The grades of internal assessment shall carry forward in such cases.

h) A Student may be allowed to re-register for a semester, within the maximum stipulated time period allowed to complete the program, provided he/she satisfies one of the following conditions. In such a case there shall be fresh assessment of internal evaluation:

- (i) The student is declared fail.
- (ii) The student did not appear in a semester-end examination or he/she was not granted permission to appear in the examination.
- (iii) The student had been detained by the University and subsequently has been permitted to take re-admission.
- (iv) The student has own desire to abandon the performance of the semester and wishes to repeat/reappear.

i) Those students who reappear in any course/s in any semester or re-register for a semester, shall have to pay the prescribed fee.

j) Cases of use of unfair means in the examination shall be dealt with as per the rules and regulations of the University.

k) Challenge evaluation shall be permitted as per rules/orders of the Chancellor.

#### **9.11 Grade Card:**

A grade card shall be issued to each student at the end of every semester.

#### **9.12 Transcript:**

A Transcript shall be issued to a student on successful completion of the programme on request as per rules.

#### **9.13 Withholding of Grade Card/Transcript**

The Grade Card/Transcript of a student shall be withheld if he/she has not paid his/her dues, or if there is a case of indiscipline pending against him/her.

### **10. Exit option and award of First Degree**

**10.1** In case the student wishes to leave after completion of one year of the first-degree Programme, he/she shall be eligible for award of a Certificate, provided the student fulfils the following conditions:

- a) Has pursued the prescribed courses of study and has earned 48 credits as prescribed under the relevant regulations within three academic years without 'F' or 'Ab' in any course.



b) obtained a minimum CGPA of 4.5 in case of BBA, BCA, BCom (Hons) and other professional UG Programmes, and 3.6 in case of BA, BSc, BCom and other similar Programmes

c) Paid all the dues of the University.

d) No disciplinary proceedings are pending against him/her.

(e) Any other condition, as notified by the competent authority of the University.

**10.2** In case the student wishes to leave after completion of two years of the first-degree Programme, he/she shall be eligible for award of a Diploma, provided the student fulfils the following conditions:

a) Has pursued the prescribed courses of study and has earned 96 credits as prescribed under the relevant regulations within four academic years without 'F' or 'Ab' in any course.

b) obtained a minimum CGPA of 4.5 in case of BBA, BCA, BCom (Hons) and other professional UG Programmes, and 3.6 in case of BA, BSc, BCom and other similar Programmes

c) Paid all the dues of the University.

d) No disciplinary proceedings are pending against him/her.

(e) Any other condition, as notified by the competent authority of the University.

**10.3** In case the student wishes to leave after completion of three years of the first-degree Programme, he/she shall be eligible for award of a Bachelor's Degree, provided the student fulfils the following conditions:

a) Has pursued the prescribed courses of study and has earned 146 credits as prescribed under the relevant regulations within five academic years without 'F' or 'Ab' in any course.

b) obtained a minimum CGPA of 4.5 in case of BBA, BCA, BCom (Hons) and other professional UG Programmes, and 3.6 in case of BA, BSc, BCom and other similar Programmes

c) Paid all the dues of the University.

d) No disciplinary proceedings are pending against him/her.

(e) Any other condition, as notified by the competent authority of the University.

**10.4** On completion of four years of the first-degree Programme, he/she shall be eligible for award of a Bachelor's Degree with Research, provided the student fulfils the following conditions:

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a) Has pursued the prescribed courses of study and has earned 192 credits as prescribed under the relevant regulations within five academic years without 'F' or 'Ab' in any course.

b) obtained a minimum CGPA of 4.5 in case of BBA, BCA, BCom (Hons) and other professional UG Programmes, and 3.6 in case of BA, BSc, BCom and other similar Programmes

c) Paid all the dues of the University.

d) No disciplinary proceedings are pending against him/her.

(e) Any other condition, as notified by the competent authority of the University.

## 11. Award of Class/Division/Rank

11.1 Class/Division shall be awarded to the students as per the following table:

CGPA Range	Class / Division
$7.50 \leq \text{CGPA} \leq 10.00$	First Class with Distinction
$6.00 \leq \text{CGPA} < 7.50$	First Class
$4.50 \leq \text{CGPA} < 6.00$	Second Class
$3.60 \leq \text{CGPA} < 4.50$	Third Class

11.2 The merit rank of the students shall be determined on the basis of the CGPA obtained by them. However only those students who have passed all courses in the first attempt without grace marks, shall be eligible for the award of medals.

11.3 In professional programmes governed by statutory councils, the norms decided by Board of Studies and other competent bodies in light of recommendations by the respective statutory council shall apply.

## 12. Conversion of CGPA to equivalent marks

There is no direct method of conversion of CGPA to percentage marks, however, the CGPA may be multiplied by 10 to get the overall indicative percentage marks for comparison with conventional marks system.

## 13. Interpretation clause

In case of any issue of interpretation arising during the course of implementation of these ordinances or in case of any unforeseen circumstance, decision of the Vice-Chancellor shall be final.

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Rakesh Chandra

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

### **Subjects And Related Programme Overview**

The subjects offered at Maharaja Bijli Pasi Government P.G. College, Lucknow, deal with studying and applying 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. As a constituent college of Lucknow University, the College has been implementing Choice-Based Credit System (CBCS) in the academic curriculum from the session 2020-21 for the postgraduate courses in Economics, English, Geography, Hindi, and Sociology. Students in the CBCS have the opportunity to select courses from the prescribed courses constituting core, general elective, or skill-based. The grading system, which is regarded as superior to the standard marks system, can be used to evaluate the courses. The grading system ensures consistency in evaluating and calculating the student's Cumulative Grade Point Average (CGPA) based on their exam performance, making it possible for the student to transfer between educational establishments.

The session 2021-22 saw the implementation New Education Policy (NEP) 2020 for students taking admission to all the graduate programmes. Under NEP 2020, the Choice Based Credit System (CBCS) allows students to select courses from the list of required courses, including Major I, Major II, Minor, and value-addition courses (CC/VC).

### **FACULTY OF ARTS**

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

##### **Programme Objectives**

The programmes 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. The Master of Arts (M.A.)

programme in Economics is semester-based under CBCS and includes a large number of elective courses with specialization in different fields of choice.

### 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 Programme 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 Programme 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 Laghusiddhantakaumudi based Sajna, Sandhi, Kridanta, Raupasiddhi, and Samasa prakarana. Students will be able to understand the application of Paṇini's sutras.

### 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 Programme 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 Programme will help understand various systems, policy frameworks, and strategies needed to administer the rapid changes in an organization's globally-oriented environment. This Programme 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.