

### **2.6.1. STUDENTS PERFORMANCE AND LEARNING OUTCOMES PROGRAMME OUTCOMES (POs) AND COURSE OUTCOMES (COs) FOR ALL PROGRAMMES OFFERED BY THE INSTITUTION.**

Students shall be capable to analyze the data to solve complex economic problem. They will understand general economic concept, viz. demand and supply, Land, labor, capital, Organization, Money, Banking and public finance etc. Students will be able to understand and demonstrate micro and macroeconomic terms. They will able to formulate and defend a monetary or fiscal strategy that would produce desired outcomes.

#### **Education**

Program outcomes for an Education undergraduate program often include knowledge of educational theories, teaching methodologies, classroom management skills, and understanding of educational policies. Graduates develop effective communication, critical thinking, and leadership abilities, preparing them for roles as teachers, educators, and administrators in various educational settings.

#### **English**

Students will interpret the works of literature in different context and framework. They will write criticisms of literature and will use language for esthetic effect. They will develop interest in the literature and will be able to enhance the use of the four language skill i.e. reading, writing, speaking and listening. Students of literature will analyze the text from a verity of theoretical perspectives.

#### **History**

Students will be able to apply historical methods to evaluate critically the record of the past. Research method and communication skill will be developed. They will learn to organize and express their thoughts more coherently and appropriately.

As the subject history has its own value in society and human life, it will help the students to develop their ethical and social values. The knowledge about the heritage and tradition will be the most learning outcomes of the students.

#### **Political Science**

Students will be able to analyze the nature, methods and important of political thoughts.

The basic framework of the syllabi of political science is :

- To understand the nature and scope of political theory,
- To understand and assess information regarding a variety of political theories.
- To understand the philosophy of world constitution and to demonstrate the knowledge of great thinkers and concept.
- To analyze the history of international relation and emerging area of foreign policy, security and bilateral relation.

## **Philosophy**

The students of philosophy will make use of key concepts of critical thinking from western as well as Indian point of view. The concept of epistemology and metaphysics of different schools of thoughts will be analyzed by the students throughout their learning. They will be able to identify and evaluate ethical, epistemic, social, political and personal value of life. The key philosophical concept including knowledge, reality, reason, substance and comprehension if history of philosophy will be the major areas of learning outcome for the students.

## **Odia**

Students will be able to develop literary knowledge of Odia language. They will learn significance and application of Odia language in identifying and recognizing as one of the major Indian language both nationally and internationally. The criticism of Odia literature and its esthetic effects develops the interest in the mind of the students. The variety of theoretical perspectives like prosody, poems, drama, grammar, linguistics of different aspect of Odia literature will be the paramount learning outcome for the students.

## **Sanskrit**

Students will learn moral teaching and basic of Sanskrit literature. In the history of Sanskrit literature they will be able to interpret different concepts and thoughts of different scholars. The Paninian Grammar and its analysis is the backbone of Sanskrit subject. The meta rules of Paninian grammar is the thrust area of Sanskrit. The students will gather knowledge about Upanisad, Ramayan and Bhagavadgita along will socio-political thought of ancient India. They will also develop the skills of translation, editing and writing of Sanskrit language.

## **Botany**

Students will gain the knowledge of plant physiology and metabolism along with anatomy of angiosperms. The learning outcomes of plant ecology and taxonomy play vital part for the enrichment of knowledge of students. They will learn about molecular biology, bio-technology and embryology which will be analyzed in plant sciences and horticulture practices. These are the best learning outcomes for the students of life-science subjects.

## **Chemistry**

Students will be able to learn atomic structure, chemical bonding, periodicity elements, titration formula, oxidation- reduction, titrimetry, physical chemistry such as gaseous state, liquid state and solid state etc. They will make use of learning the basics of organic chemistry, stereo chemistry, carbon Pi bonds. Students will able to analyze thermo chemistry, inorganic chemistry and will gain the knowledge of polymer chemistry as the learning outcomes for future development of area of these subjects.

## **Mathematics**

Mathematics is an indispensable tool for the much of science and engineering. It provides the basic language for understanding the world and lends precision to scientific thoughts. It aims to provide the learning outcomes for students by developing their essential quantitative skills. Students will gain the knowledge of strong analytical skills with the broad-based background in the mathematical sciences.

### **Physics**

There has been a conscious attempt to develop the learning outcomes of the subject for the students. The entire approach of the learning outcomes in the syllabi not on definition and technical terms but on the concept involve. The excitement of doing science comes from pursuing the unknown analytical concepts involved in the subject. The students would have the opportunity to think and explore somewhat beyond the syllabus and may feel the urge to continue their scientific expedition at higher level. Electricity and magnetism, quantum mechanics and applications, solid state physics, mathematic physics bear the special attention in the minds of the students of the physics.

### **Zoology**

As a part of life science subject cell biology, fundamental of biochemistry and microbiology are the major learning outcomes of zoology. Students will be able to learn principles of genetics, evolutionary biology, diversity of chordates for future analysis of their studies. The knowledge of animal physiology and metabolism play an important role in the analytical part of the subject. Students will be able to analyze techniques in animal science, living beings and its ecology. The knowledge gain in the subject not on defining the terms but on the analysis of the concepts. There is an opportunity to study bio-ethical aspect in the subject.

### **Commerce**

Program outcomes for a Commerce undergraduate program typically include skills in financial analysis, business management, economic theory, and accounting principles. Graduates gain critical thinking abilities, analytical skills, and knowledge of global business practices, preparing them for careers in finance, marketing, consulting, and more.