

# CHINTAMANI COLLEGE OF SCIENCE, POMBHURNA

## Program Outcomes

### Program Outcomes: Faculty- Science

**After completion of degree of Bachelor of Science a student should have:**

(Knowledge, Understanding, Curiosity, Problem Solving Methods and Awareness Issues)

**PO1:** Acquired the knowledge with facts and figures related to various subjects in pure sciences such as Physics, Chemistry, Botany, Zoology, Mathematics, Microbiology and Computer Science etc.

**PO2:** Understood the basic concepts, fundamental principles, and the scientific theories related to various scientific phenomena and their relevancies in the day-to-day life.

**PO3:** Realized that knowledge of subjects effectively influences and which inspires in evolving new scientific theories and inventions.

**PO4:** Developed scientific outlook not only with respect to science subjects but also in all aspects related to life.

#### **Critical Thinking:**

**PO5:** Analyzed the given scientific data critically and systematically and the ability to draw the objective conclusions.

**PO6:** Been able to think creatively and curiously (divergently and convergent) to propose novel ideas in explaining facts and figures or providing new solution to the problems.

**PO7:** Able to know recent researches in sciences and new ideas for the sustainable developments.

#### **Effective Communication:**

**PO6:** They were communicating with each other with confidence. They were communicating with mentor without hesitation. They asked queries and get transparent knowledge on their doubts. They learnt to use electronic media for study and getting e-books, online classes etc.

#### **Social Interaction:**

**PO7:** Social interaction has proven to be quite effective in peer learning, reciprocal teaching and behavior modeling. Student learnt how to play their role in each group discussion in the subjects, how to co-operate, how to take decision and how to co-operate others.

#### **Effective Citizenship:**

**PO8:** Inculcate the knowledge about National development, Environmental awareness, and Embrace core democratic values and strives to live by them, accept responsibility of well being of oneself through various co-curricular activities taken during the course.

**Ethics:**

**PO9:** Imbibe ethical, moral and social values in personal and social life leading to highly cultured and civilized personality.

**Environment and Sustainability:**

**PO 10:** Students were getting knowledge about biodiversity, ecology, endangered species and various flora and fauna. They learnt the preventive measures to save the ecosystems. They get knowledge about environmental awareness and sustainable development.

**Self directed and Lifelong Learning:**

**PO 11:** They have worked in cooperation with peers as well as with team to successfully complete a team assignment and various projects.

**Practical Skills:**

**PO 12:** Acquired the skills in handling scientific instruments, planning and performing in laboratory experiments and the skills of observations and drawing logical inferences from the scientific experiments.

**PO13:** Developed various communication skills such as reading, listening, speaking, etc., which will help in expressing ideas and views clearly and effectively and develop team spirit.

**PO14:** Realized that pursuit of knowledge is a lifelong activity and in combination with untiring efforts and positive attitude and other necessary qualities leading towards a successful life.

**PO15:** Developed flair by participating in various social and cultural activities voluntarily, in order to spread knowledge, creating awareness about the social evils, blind faith, etc.

**PO16:** To inculcate good laboratory practices in students and to train them about proper handling of lab instruments.

**PO17:** To Inculcate the knowledge of handling of various scientific Instruments and to know their Functions.

**PO 18:** To Inculcate Knowledge of pathology, Physiology, Biochemistry and reproductive issues helps the employment of students.

**PO 19:** Implantation of knowledge about wild animals helps during employment of students in forest services.