

**Late Rajkamalji Bharti Arts, Commerce And Smt. Sushilabai R.  
Bharti Science College, Arni, Dist. Yavatmal. (Ms)  
Programme Outcomes (POs), Programme Specific Outcomes  
(PSOs) and Course Outcomes (Cos)**

**Bachelor of Science**

**Programme Outcomes**

PO1: To introduce the fundamentals of science education

PO2: To enrich students' knowledge in all basic sciences

PO3: To develop interdisciplinary approach amongst students

PO4: To inculcate sense of scientific responsibilities and social & environment awareness

PO5: To help students build-up a progressive and successful career in academics and industry

PO6: To motivate the students to contribute in the development of Nation

**Botany**

**Programme Specific Outcomes**

PSO1: Provide knowledge of the medicinal plants of Melghat region to the students and promote them to use them as earning source

PSO2: Motivate the Botany students for exploration of Melghat flora

PSO3: Preserve the rare medicinal plants of the Melghat region

PSO4: Create recognized laboratory for the students of Botany and provide guidance to the research students

PSO5: Create awareness about plant propagation

PSO6: Develop open natural laboratory for the students of Botany

**Physics**

**Programme Specific Outcomes**

PSO1: To improve scientific attitude and to give emphasis on the development of experimental skills, data analysis, calculations, and also on the limitations of the experimental method and data and, results obtained

PSO2: To help students in understanding the concepts of Physics

PSO3: To underline the strength of equations, formulae, graphs, mathematical tools to tackle the problems

PSO4: To understand the conceptual development of the subject and thereby develop the interest in the subject. A topic on this is introduced in the Emerging Physics Course

PSO5: To improve the scientific awareness among the students. A discussion on Paradox etc. is encouraged

PSO6: To create interest in the subject and improve technological aspect through mini projects, projects, models, demonstrations, etc.

PSO7: To create interest in the subject to continue to work in the field of science in general and physics in particular

PSO8: To make students understand the role and contribution of Physics in the present day science and technology

PSO9: To motivate students to make career in Physics.

## **Mathematics**

### **Programme Specific Outcomes**

PSO1: Students will demonstrate an understanding of the common body of knowledge in maths and demonstrate the ability to apply analytical and theoretical skill to model and solve the mathematical problems

PSO2: Understand the nature of mathematical proofs and be able to write clear and concise proofs.

PSO3: Be able to communicate effectively in oral and written form

PSO4: Be able to write simple computer programs to perform the mathematical competition.

PSO5: Learn about application of mathematics in other field and gain experiences in mathematical modelling

PSO6: Develop the ability to read, understand and use basic definition in linear and abstract algebra and real analysis and be able to prove simple consequence of this definition

PSO7: Student learns to communicate idea effectively and to digest new information and concepts independently.

PSO8: Students are encouraged to develop intellectual and become involved with professional organization

PSO9: Communicate mathematical ideas both orally and in writing

PSO 10: Investigate and solve unfamiliar maths problems

PSO11: Demonstrate the proficiency in writing proofs

## **Chemistry**

### **Programme Specific Outcomes**

The students completing B.Sc with chemistry will be able to

Have a firm foundation in the fundamentals and application of chemicals and scientific theories including in inorganic, organic, physical chemistry.

PSO1: Identify and become familiar with the scope, methodology and application of modern chemistry and learn to appreciate its ability to explain various aspects.

PSO2: Understand theoretical and practical concepts of instruments that are commonly used in most chemistry fields.

PSO3: Design and carry out scientific experiments and record the results of such experiments.

PSO4: Understand safety of chemicals, transfer and measurement of chemical, preparation of solutions, and using physical properties to identify compounds and chemical reactions.

## **Bachelor of Arts**

### **Programme Outcomes**

PO1: Provide knowledge and understanding of various fields of study in core disciplines in the humanities and social sciences

PO2: Develop critical and analytical skills to the identification and resolution of problems within complex changing social, linguistic and literary contexts

PO3: Understanding of the general concepts and principles of selected areas of study outside core disciplines of the humanities, social sciences and languages

PO4: Follow independence in learning appropriate theories and methodologies with intellectual honesty and an understanding of ethical and human values

PO5: Encourage students to analyse the problems and apply their knowledge for remedies thereof

PO6: Enhance students skills of effective communication and language learning i.e. reading, writing, listening and speaking another language with fluency and understand its cultural value

PO7: Become well informed and updated member of the community and responsible citizens

PO8: Work with self esteem, self reliance, self-reflection and creativity to face adversities in the work and personal life

## **English**

### **Programme Specific Outcomes**

PSO1: Make students English Language proficient to improve their employability

PSO2: Train them in the use and application of English language to overcome their day to day Difficulties

## **Marathi**

### **Programme Specific Outcomes**

PSO1: To make students learn various literary streams, their nature, scope etc.

PSO2: To go through the contemplation by numerous thinkers on human life, values, and human problems expressed in Marathi

PSO3: To enhance empathy, inclusiveness, tolerance and human values

PSO4: To make the students study multi disciplinary aspects of Marathi

PSO5: To learn about Marathi culture with its variety and plurality vis a vis Indian culture

PSO6: To develop communication skills

PSO7: To motivate students to make career in Marathi

## **Sociology**

### **Programme Specific Outcomes**

PSO1: Introduce students to social institution, organizations and their nature, work and utility

PSO2: Create awareness among students about various social problems their nature and causes and to study and find out remedies

## **History**

### **Programme Specific Outcomes**

PSO1: To allow students to know the national as well as international history

PSO2: Preserve Indian culture by creating awareness about age old Indian culture

PSO3: Promote students to preserve and protect ancient and medieval historical structures and monuments

PSO4: Prepare students for various competitive examinations

## **Economics**

### **Programme Specific Outcomes**

PSO1: To study economics theories and principles and see their applications

PSO2: Understand and study the Indian economy

PSO3: Understand and study monetary policies of India

PSO4: Determine economic variables including inflation, unemployment, poverty, GDP, balance of payment

### **Political Science**

#### **Programme Specific Outcomes**

PSO1: Political Science students will be able to write, read, speak and listen effectively in academic and social contexts

PSO2: Political Science students will be able to construct research questions and use appropriate sources and research methods to answer them

### **Bachelor of Commerce**

#### **Programme Outcomes**

PO1: To build conceptual foundation and application skills in the areas of Accountancy, Finance, Management, research and higher education

PO2: To sharpen the students analytical and decision making skills

PO3: To provide the students with a unique ability to manage accounts, people and organizations across the world with a combination of B.Com Degree

PO4: To build life skills through value based education and service oriented programs

### **Accounting**

#### **Programme Specific Outcomes**

PSO1: Introduction to the real/ practical way of Accountancy.

PSO2: To enable students with computerised accounting skills through MS-Excel and Tally to bring out a good Book-keeper in themselves

### **Money and Financial System**

#### **Programme Specific Outcomes**

PSO1: Identify the principles behind the workings of the financial system

PSO2: Demonstrate knowledge about the evolution of financial markets and various credit instruments; and the evolution of money and its functions

### **Principles of Business Organization/ Principles of Business Management**

#### **Programme Specific Outcomes**

PSO1: Identify major business functions of accounting, finance, information systems, management, and marketing

PSO2: Describe the relationships of social responsibility, ethics, and law in business

PSO3: Explain forms of ownership, including their advantages and disadvantages

### **Course: Computer Fundamentals and Operating System**

On successful completion of this course students will be able to

CO1: Learn the concept of Block Diagram, Input and Output, Concept of Software and types Software.

CO2: Learn the concept of fundamentals of computer, Generations of Computer, Types and

Applications of Digital Computer.

CO3: Learn the concept of Memory and types primary memory and Secondary memory.

CO4: Learn the Input and Output Device

CO5: Get the knowledge of the concept of MS-Word and Formatting Documents.

### **Course: Principals of Economics**

On successful completion of this course students will be able to

CO1: Describe and explain how microeconomics models can be used to consider fundamental economics choices of households and firms.

CO2: Describe and explain how macroeconomics models can be used to analyses the economy as a whole.

### **Course: Principles Of Business Management**

On successful completion of this course students will be able to

CO1: Discuss and communicate the management evolution and how it will affect future managers, Observe and evaluate the influence of historical forces on the current practice of management and Identify strengths, weaknesses, opportunities, and threats of information technology for businesses.

CO2: Practice the process of management's four functions: planning, organizing, leading, and controlling, Identify and properly use vocabularies within the field of management to articulate one's own position on a specific management issue and communicate effectively with varied audiences.

### **Course: Corporate Accounting**

On successful completion of this course students will be able to

CO1: This course shall able the students to develop awareness and train them in Corporate Accounting inconformity with the Provisions of Indian Companies Act 1956 and Indian Accounting Standards.

### **Course: Income Tax and Audit (ITA)**

By the completion of this course the student will be able to

CO1: Understand basic Concepts of Income Tax.

CO2: Compute Tax liability on Various Heads of Income like Salary, House Property, Business and profession, Capital Gain & other sources.

CO3: Compute Tax liability on Various Heads of Income, & understand Tax Management & Tax Administration.

### **Course: Information Technology and Business Data Processing**

CO1: Understand the use of information technology and data in computing use of data processing

CO2: Understand the Database and Database management system

CO3: Understand use of ms excel 2003/2007/higher

CO4: Understand the concept of MS-Excel, spreadsheet Basics and Editing and Formatting Worksheet

### **Course: Internet world wide web**

On successful completion of this course students will be able to

CO1: Develop skill among students in applications of internet in commerce education.

CO2: Explain the Concept of HTML, HTML Organization, Creation of HTML files, HTML editor, Tags and attributes of HTML, learning the basic structure, elements of HTML, Creation of web page using HTML and Introduction to Internet and World Wide Web, web browsers, web sites, search engines.

CO3: Explain HTML Form Building - Form elements , Tab navigation, Access Keys, Developing web pages using frames, Hyperlinks, images.

### **Course: Essentials of E-Commerce ( EOE)**

In this subject Essentials of E-Commerce the outcomes are as under

CO1: Analyzing the impact of e-commerce on business models and strategy

CO2: Recognize and discuss global E-commerce issues

CO3: Assess Electronic Payment Systems

CO4: Growth in Entrepreneurship Skill of the Students

CO5: Understand various Emerging Business Models of E- Commerce.

### **Course: Cost and Management Accounting**

Upon successful completion of this course students will able to

CO1: Demonstrate an understanding of the difference between job-order costing and process costing.

CO2: Identify and describe the basic cost concepts and understand the manufacturing environment.

CO3: Demonstrate knowledge of the tools to make management decisions using relevant costs and capital budgeting techniques.

### **Course: Business Regulatory Framework and Company Law**

Upon successful completion of the module, candidates are expected to able to

CO1: Apply their knowledge of the law of trusts to establish the presence or absence of tortoise liability and consequences which result.

CO2: Discuss the various legal and regulatory rules covered in the course and the respective rights and obligations created under these.

CO3: Apply their knowledge of the legal rules governing contract to determine:

- The existence and validity of a contract.
- The rights and obligations of the parties to a contract.