

**Dadapatil Rajale Arts and Science College, Adinathnagar,  
Tal-Pathardi Dist-Ahmednagar**

**B.A. English Programme Specific Outcomes**

The Department of English a range of courses to the students at undergraduate and postgraduate levels. The subject of English have the following programme outcomes:

1. The ability to analyse, interpret, and understand the complex interrelationships between authors, texts, and specific social, political, and historical contexts. Students will demonstrate the ability to think critically about the ways in which various aspects of identity, subject positions, and affiliations.
2. A student in the English should gain the ability to read, understand, analyse, and interpret the complex texts that are at the heart of the diverse traditions of the English language. They should be able to interpret works by using the disciplinary vocabulary for studying English.
3. A working knowledge of literary canons in English, as well as strategies for critiquing them. Students are exposed to a historical range of works that form part of the British, American, and African American canons.
4. It is a special disciplinary benefit of the English that it provides students with a field for exercising skills of disciplined and independent inquiry that transfer to all walks of life.
5. The ability to write well—critically, creatively, or both. The English provides students with a uniquely practical and creative grasp of the English language. We train them to write well. The English teaches students the competencies necessary for composing prose. In written and oral assignments, students cogently convey their own interpretations and perspectives.

**Department of Hindi (B.A)**  
**Programme Outcomes**

PSOs 1.	Creating an interest in Hindi language & Literature.
PSOs 2.	Language Difficulties in the skills of listening, reading, Writing, speaking can be understood and solved.
PSOs 3.	Student's learn communicate effectively in the Hindi language.
PSOs 4.	Student's get information about social relations among the people through stories and poem to develop social morals.
PSOs 5.	Understanding nationalistic values through the study of Hindi literature.

## **PROGRAMME OUTCOMES DEPT.OF MARATHI**

### **Arts (B.A)**

#### **B.A. MARATHI**

PSO:1- Develop competency in Literary Forms. ( i.e. Marathi poetry, autobiography, novel, short story, drama & performing prose)

PSO:2- Develop Reading, Writing & Communication Skills in Marathi.

PSO:3- Get Information about the history of Saint Literature.

PSO:4- Get Information about Literary Theories.

PSO:5- Get Information about the history of modern Marathi Literature.

PSO:6- Apply the study of Marathi Linguistics & Grammar in their practical life. PROGRAMME

#### **SPECIFIC OUTCOMES (PSO)**

PSO:7- Study News Writing for Media. Nurture themselves in soft skills and develop research aptitude.

PSO:8- Be motivated for their further education

## **B. A. in History**

**On successful completion of the Program the students will be able to:**

PSO1: Learn the socio-political and cultural background of the Indian History.

PSO2: Learn various perspectives of history and historiography.

PSO3: Prepare for Competitive Examinations like UPSC, MPSC, SET/NET etc.

PSO4: Understand various concepts in Social Studies through the Indian History.

PSO5: Learn developments of mankind.

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**Department of Political Science**

**Program Outcomes**

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PSO1: Acquire knowledge of Indian Constitutions provisions.

PSO2: learn various political thinkers' thoughts and its theories.

PSO3: Understand the Indians & international political Process

PSO4: Learn Political economy, sociology & Geo-Politics, etc.

PSO5: Prepare for Various Competitive exams.

Dadapatil Rajale Arts, Science and Commerce College, Adinathnagar

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**Programme Specific Outcomes**

Department of Economics (UG)

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1. To achieve Basic Concepts of economics
2. To analyse economic behaviour in practice
3. To understand the economic way of thinking
4. To create students ability to suggest of the various economic problems
5. Be exposed alternative approaches to economic problem through exposure to course work in allied fields
6. The ability write Cleary expressing an economic point of view
7. The ability to analyse historical and current events from an economic perspective

## **Programme Specific outcomes M. A. (Marathi)**

**By the end of the programme, the student will gain knowledge about the following –**

- 1) Theories and approaches to language studies and literature studies
- 2) Marathi literature: study of development and genesis of literature
- 3) Study of various branches and types of ancient, medieval and early literature.
- 4) Prose literature: Ancient, medieval and modern
- 5) Genres in Marathi literature, Study of various trends in and influences on literary study.
- 6) Literary history, Linguistics and applied linguistics of Marathi
- 7) The impact of Western literature on Marathi literature and the study of western literary theories
- 8) New developments in literary studies, Literature for the media, Study of writing for films

### **M.A. English Program Specific Outcomes**

1. Students are introduced various literary pieces of various literary periods to understand the relationship between literature and its period.
2. Students learn the evolution of Novel, Drama and Poetry.
3. The program helps students to enrich their artistic sensibility.
4. Appreciation of the literary text and its critical evaluation.
5. Students force to learn the different cultures through literary pieces of different countries.
6. Students are exposed to different literary devices to understand work of art.
7. Student Learn the role of literature in the society.
8. Linguistics concepts are introduced to understand the structural nature of the language.
9. Students learn to use English Language in their daily use.
10. The course increases the employability of the students.
11. Teaching skills of Language and literature is another outcome of the course. Students learn how to deal with language and literature in the classroom.
12. The course helps to humanize the minds of young generation. Ultimately it fosters ethical values among students.



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### **Outcomes - 2018-2019**

#### Department of Economics (PG)

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- **Program Specific Outcomes (PSOs) is as follow:**

1. **Public Economics:**

2. The purpose of this course is to give an understanding of the role of in fostering the economic actives via budget and fiscal policy. This course enables the students to understand the various issues between center and state government.

3. **Indian Economy problem's and prospects:** In this course particular has been prepared in the background of the globalization process and its diverse ramification on the knowledge economy.

4. **Micro Economics:** In this course is designed to provide basic understanding of micro economics concepts, behavior of economic agent consumer, producer and factor owner price, fluctuations in the market as well as in this course deal with the concepts of consumer behavior, production, market, factor pricing and welfare economics.

5. **Macro Economics:** In this course are equips, the student to understand systems facts and the latest theoretical developments in macro Economics.

6. **International Economics:** The objective of this course is to arrive at understanding of theories of international trade and to examine the impact of the trade and to policy's on the dynamic gains.

7. **Modern Banking:** To create the awareness about modern banking system among the student.

8. **Economic Development and planning:** The study of economic development because of stained interest of the developing countries in uplifting their economic condition by restructuring their economics to acquire greater, diversity ,efficiency and equality in consumers with their priorities.

9. **Agricultural Economics:** Agriculture economics is an applied field in economics the subject provides an understanding of the production and distribution of food. The subject discusses agrarian structures employment, efficiency and prices as well as incomes. It is important to analyze the challenges to agriculture in the context of emerging economics.

10. **Labour Economics:** Labour economics is specialized area in economics; the subject covers the study of labour, the industrial structure and industrial relations various contemporary topics are discussed and analyzed such as migration, absenteeism, wage differentials and social security under labour economics.

## **B.Sc. Chemistry**

### **Programme Specific Outcomes: PSO**

- 1) Students can gain knowledge through theory , demonstrations and practical's
- 2) Students can handle different instruments / equipments.
- 3) They can develop analytical skill and numerical problem solving skills using different chemical formulae / methods.
- 4) They can understood safety rules and good laboratory practical's
- 5) They can use modern chemical tools and chemistry softwares.
- 6) Students can explain IUPAC nomenclature, reactions, mechanisms, Stereochemistry of different chemical reactions.
- 7) Students can gain knowledge about fundamentals & application of chemical & scientific theories.
- 8) They understand the causes of environment, pollution control.
- 9) They become familiar with different branches of chemistry like organic, Inorganic, Physical, Analytical, Industrial, polymer, Biochemistry.

## **PSO (Programme Specific outcomes)**

### **Dept. of Botany**

- 1) The Students understand the basic concepts of different plants as well as Plant Physiology, Bio-Chemistry, Genetics & Evolution.
- 2) Understand the applications of Botany in Agriculture, Environmental Science and Medicine.
- 3) Perform the practicals as per Laboratory Manuals in the area of Taxonomy, Bio-Chemistry, and Physiology & Industrial Botany.
- 4) Students understands managements of Plant Resources for sustainable developments.

# **Dadapatil Rajale Arts, Science & Commerce College, Adinathnagar**

## **Department of Mathematics**

### **Programme Specific Outcomes**

- i) A student is able to recall basic facts about mathematics and is able to display knowledge of conventions such as notations, terminology and to recognize basic geometrical figures and graphical displays, state important facts resulting from their studies.
- ii) A student got a relational understanding of mathematical concepts and concerned structures, and is able to follow the patterns involved, mathematical reasoning.
- iii) A student got adequate exposure to global and local concerns that explore them many aspects of Mathematical Sciences.
- iv) A student is able to apply her/his skills and knowledge, that is, translate information presented verbally into mathematical form, select and use appropriate mathematical formulae or techniques in order to process the information and draw the relevant conclusion.
- v) A student is made aware of history of mathematics and hence of its past, present and future role as part of our culture.

## **Programme Specific Outcomes: PSOs**

### **(Physics)**

- 1) Students can gain knowledge through theory, demonstrations and practical's
- 2) Students can handle different instruments / equipments in Physics.
- 3) They can develop its skill to design & connect electronic component & practical Circuit & project .
- 4) They can understood safety rules and good laboratory practical's
- 5) They can use modern Physics tools and Physics software .
- 6) Students can explain function of each part of practical instrument
- 7) Students can gain knowledge about fundamentals & application of Physics & scientific theories .
- 8) They understand the causes of environment, pollution control .
- 9) They become familiar with different branches of physics like Nuclear Physics , Industrial Physics , Biophysics, Thermodynamics ,Electricity & Magnetisms , Optics , Wave & Oscillation , Mechanics , Electronics etc.

### **Program Specific Outcomes (PSOs)**

- PSO 1.** To provide knowledge about various animal sciences from primitive to highly evolved animal groups.
- PSO 2.** To foster curiosity in the students and to make the students aware of applications of Zoology subject in various industries.
- PSO 3.** To highlight the potential of various branches of Zoology to become an entrepreneur.
- PSO 4.** To equip the students with skills related to laboratory as well as field based studies.
- PSO5.** To make the students aware about conservation and sustainable use of biodiversity.
- PSO 6.** To inculcate interest and foundation for further studies in Zoology.
- PSO 7.** To address the socio-economical challenges related to animal sciences. **PSO 8.** To facilitate students for taking up and shaping a successful career in Zoology.
- PSO 9.** Illustrate zoological science for its application in branches like medical entomology, apiculture, aquaculture and agriculture etc.
- PSO 10.** Ability to connect and apply biological knowledge to other disciplines and to Integrate knowledge into their personal and professional lives.
- PSO11.** Explain the origin of life with context to the origin of eukaryotic cell and endosymbiotic theory of origin., fossil records, Darwinism and Neo-Darwinism, experimental evidences.
- PSO 12.** Understand animal interactions with the environment and identify the major groups of organisms with an emphasis on animals and classify them within a phylogenetic framework.
- PSO 13.** Understand the nature and basic concepts of cell biology, genetics, taxonomy, physiology, ecology and applied Zoology
- PSO 14.** The well-organized curricula including basic as well as advanced concepts in Zoology from first year to third year shall inspire the students for pursuing higher studies in Zoology.
- PSO15.** Becoming an entrepreneur and also enable students to get employed in the Biological research Institutes, Industries, Educational Institutes and in the various concerning departments of State and Central Government based on subject Zoology.

## **B.Sc. Computer Science**

### **On successful completion of the Program the students will be able to:**

**PSO1:** Serve as the Programmers or the Software Engineers with the sound knowledge of practical and theoretical concepts for developing software.

**PSO2:** Serve as the Computer Engineers with enhanced knowledge of computers and its building blocks.

**PSO3:** Work as the Hardware Designers/Engineers with the knowledge of Networking Concepts.

**PSO4:** Serve as the Web Designers with latest web development technologies.

**PSO5:** Serve as the IT Officers in Banks and cooperative societies.

**M.Sc. Chemistry**  
**Programme Specific Outcomes: PSOS**

**M.Sc. Analytical Chemistry**

**Programme Specific Outcomes: PSO**

After successful completion of M.Sc. Analytical Chemistry students should be able to

1. Improve Skill in Analytical research area.
2. Understand good laboratory practices and safety.
3. Know different Analytical techniques.
4. Understand different separation techniques.
5. Understand principle, construction and working of various instruments.
6. Know extended knowledge about different Chromatographic techniques and use it for separation, quality control, research etc.
7. Learn about potential uses of analytical industrial Chemistry.
8. Introduce advanced techniques and ideas required in developing of Chemistry.
9. Make aware and handle the sophisticated instruments/equipments.

**M. Sc. Inorganic Chemistry**

**Programme Specific Outcomes: PSO**

1. Analytical techniques for solids like TGA, DTA, DSC, XRD, XPS, XRF etc.
2. Inorganic Reaction Mechanism and Photochemistry, Types of Mechanisms, Substitution in square planar complexes, Electron Transfer reactions, Inner and Outer sphere reactions.
3. Inorganic polymers, Inorganic polymer characterization, Pre-ceramic Inorganic polymers, Applications of Inorganic Polymers.
4. Zeolite Compounds and Heterogeneous Catalysis, Zeolites, Characterization of zeolite and Heterogeneous catalysis by perovskite- related oxides.