

**Dhandaimata Education Society's**  
**Arts and Science College, Amalner.**  
**Programme Learning Objectives/ Outcomes.**

**Department of English**

**F.Y.B.A. Compulsory English**

- The students could express themselves in oral and written communicative situations.
- Students use the values learnt through literary works.
- Students will develop the liking of Reading English.

**OPTIONAL ENGLISH**

- Students will understand the basic concepts of literature.
- Development of the comprehensive ability of students.
- Inculcation of moral and human values among students.
- Understanding of the basic forms of poetry.

**SYBA COMPULSORY ENGLISH**

- The students' literary tendencies are developed.
- The students could express themselves in oral and written communicative situations.
- Students could learn how to write letters ,notice ,agenda ,minutes etc.
- The students could improve vocabulary.
- The students are able to use English effectively in formal and informal situations of life.

**General Paper -2 . The Study of Novel.**

- The students are able to appreciate literature critically.
- The students could use their creative and critical faculties of mind in real life situations.
- The learners are able to understand different types and techniques of novel.
- The students use literature to develop their social and moral sense in life.

**ENGLISH Special Paper –I . 16<sup>th</sup> and 17<sup>th</sup> Century English Literature.**

- The students learn to correlate literature to socio-political conditions of its time.
- The students are able to use their creative and critical faculties of mind in real life situations.
- The students learn about the salient features of Elizabethan Age.
- The learners could implement the values of literature in life.

## **ENGLISH Special Paper –II. 18<sup>th</sup> and 19<sup>th</sup> Century English Literature.**

- Students could learn Language through literature.
- The syllabus can implement the values of literature in life.
- Make students aware of the literary history, salient features and cultural background of the romantic and Victorian age.

## **TYBA Compulsory English**

- The students understand the basic concept of literary genre, poem, prose and stories.
- To help the students to develop literary abilities.
- The students' communicative skills are developed.

## **Special English-G-III The Study of Drama**

- The students learn the origin of drama and dramatic art.
- The students learn the aspects and genres of drama.
- The student appreciate drama critically.

## **Special Paper-III. Indian Writing in English and American Literature.**

- The students develop the critical understanding literature.
- The students are exposed to Indian writing in English and American literature.
- The students are exposed to social, political and cultural background of both literatures.

## **Special Paper-IV . The Study of Language.**

- The students understand the properties and functions of language.
- Inculcation of phonological competence among students.
- The students are acquainted with English grammatical forms and functions.
- The students are acquainted with morphological concepts and processes.

## **Department of Marathi.**

Students will be able to .....

- Develop Attitude of Literary Forms. ( Marathi Poetry & Story)
- Develop Reading, Writing & Communication Skills of Students.
- Develop Attitude of Literary Forms. ( Marathi Aatmkathan & Novel)
- Develop Reading, Writing & Communication Skills of Students.
- Information about the history of Medieval Marathi Literature.
- Develop Attitude of Literary Forms. ( Marathi Drama & Lalit Gadya)
- Develop Reading, Writing & Communication Skills of Students.
- Information about the history of MODERN Marathi Literature.
- Develop Attitude of Marathi Linguistics & Grammar.

## Department of Geography:

### **F.Y.B.A.**

#### **General Paper 1. Physical Geography**

- To understand interior structure of the earth.
- To understand the composition of the atmosphere.
- To understand oceanic floors and oceanic currents.

### **S.Y.B.A.**

#### **Special Paper 1: Geography of Tourism**

- Understand the importance of tourism.
- The study of pilgrim tourist center.
- Understand the types of tourism.
- Study of major hill station.
- Study the problem and prospects of Tourism industry.

#### **Special Paper 2: Practical Geography (Map and scale Projection)**

- To get acquainted with the Basic information about various tools & Techniques used in making Maps.
- To Understand the concept of scale at the initial stage.
- To know how to draw the maps on various scale.
- To know the importance of surveying and survey instruments

#### **General Paper 2: Geography of India**

- Understand the Location Physiography, Drainage, Climate and vegetation in India.
- To know the silent feature, Problems and prospects of agriculture.
- Study the Problems and prospects of Industrial Area.
- To understand Population Composition India.

### **T.Y.B.A.**

#### **Special Paper 3: Political Geography**

- To Understand the history of political geography.
- To Get knowledge about evolution of states and nations.
- To Get knowledge about Geo-political theories.
- Investigate problems and disputes in India.

#### **Special Paper 4: Practical Geography (weather maps and statistical method)**

- To understand the symbols Instruments in weather map.
- Understand the mechanism function of topographical maps.

- Understand interpretation of weather images.
- Get Knowledge about Geo-Statistical Methods.

### **General Paper 3: Population Geography**

- Understand the history of population.
- Understand the types of Data.
- Study the distribution and density of population.
- Get knowledge of population theories.
- Investigate current issues and Problems in India.

## **Department of History**

### **F.Y.B.A.**

#### **General Paper 1. History of India (1857-1950)**

- To introduce various perspectives of the Indian Freedom Movement.
- To develop the spirit of nationalism among students.
- To enhance knowledge about social reforms and social reformers.
- To bring an awareness among the students as responsible citizen of the country.

### **S.Y.B.A.**

#### **HIS - 241 History of the Marathas (A.D.1605 - A.D 1750 )**

- To Create and enhance interest about regional History among the students.
- To make awareness about administration of Maratha Empire.
- To make students aware of relations among Maratha empire and Adilshahi empire.
- To make students aware of relations among Maratha empire and Mogul empire.
- To enhance knowledge about activities and work of Maratha Sardar.
- To introduce students to the work of Maratha rulers.

#### **HIS - 242 History of United States of America (A.D. 1776 - A.D.1945)**

- To understand the importance of America (USA) in the world history.
- To study the foreign policy of America (USA).
- To evaluate the progressive era of America (USA) and its important the world.
- To study and the Role of America between two world wars.
- Focus on the Human Rights Movement in America (USA).

#### **HIS-233 History of Ancient India (B.C 3000 - B.C 600)**

#### **HIS- 243 History of Ancient India (B.C 600 - A.D 1206)**

- To acquaint the students with different sources of Ancient Indian History.
- To introduce students to the ancient Harappan/Indus valley civilization and its importance in Ancient Indian History.
- To enable the students to understand the Political, Socio-Economic and Cultural Developments in the Periods under study and appreciate the rich Cultural Heritage in India.

- To make awareness about work and teachings of Gautam Buddha and Vardhman Mahavir.
- To introduce students to different empires and their rulers of Ancient India.

### **HIS-234 Research Methodology in History**

- The paper is designed to provide adequate conceptual base, bring better understanding of history.
- To make students aware about different methods of research.
- To introduce students to synthetic processes among research methods.
- To enhance knowledge about the concluding process.

### **T.Y.B.A.**

#### **HIS (G-3) 351 – History of Modern World (1789-1900)**

#### **HIS (G-3) 361 : History of Modern World (1901-1945)**

- To make awareness about World History
- To make students prepare for competitive examinations through the knowledge of syllabus

#### **HIS (S-3) 352 (B) Expansion of Maratha Power (1707-1761)**

#### **HIS (S-3) 362 (B) : Expansion and Fall of Maratha Power (1761-1818)**

- To inform students about work of Chhatrapati Shahu.
- To make students aware of the expansion of Maratha Empire.
- To enhance knowledge about third Panipat war , its outcome among students.
- To inform students about work of Peshawas.
- To make students aware about the fall of Maratha empire.

#### **HIS (S-4) 353 : History of Saltanat (1206-1526)**

#### **HIS (S-4) 363 : History of the Mughals (1526-1707)**

- To make awareness and interest about Socio-economical and Cultural Heritage during Sultanate period.
- To make awareness and interest about Socio-economical and Cultural Heritage during Mughal period.
- To make students aware about the rulers of sultanate period and their impact on Indian history.
- To make students aware about the rulers of Mughal period and their impact on Indian history.

## **Department of Defense and Strategic Studies**

### **F.Y.B.A.**

#### **General Paper 1: Indian Art of War.**

- Student gain knowledge about Indian-War and art.
- To inform students about the art & India and Greek War.

- Students gain knowledge about Ottoman War.
- Students get to know the art & Mughal War.
- Students gain knowledge about British War Art.

## **S.Y.B.A.**

### **General Paper 2: India's Internal Security.**

- Students understand the nature of India's internal security.
- The students learn about the Jammu and Kashmir problem.
- Students learn about the problem & Northeast India.
- Students realize the problem & Naxalism.
- Students understand the Seriousness & terrorism.
- Students understand cyber crime problem.

### **Special Paper 1 : Contemporary Warfare**

- Students understand information about nuclear War.
- Students gain knowledge of financial Warfare.
- Students understand the psychological Warfare.
- Students learn about chemical Warfare.
- Students learn about biological Warfare.

### **Special Paper 2: Defense Mechanism and organizing of India**

- Students understand India's high level defense organization.
- Students receive information about infantry.
- Students learn about artillery force.
- To know about the student supply Department.
- Students learn about Indian Navy.

## **T.Y.B.A.**

### **General Paper 3: Global Security**

- Students understand the nature of global security.
- Acquire knowledge about financial Sector Organizations.
- Understand environmental problems by students.
- To inform students about organized crime.
- To inform the students about human health and safety.

### **Special Paper 3: Contemporary study of War and Peace**

- Students get information about the Cold War.
- To inform the students about the balance of power.
- Students understand collective security.
- Students understand the knowledge of isolationism.
- To know the science and technology of the students.

### **Special Paper 4: Geo Strategy & Military Geography**

- Students get information on Geo Strategy.
- Understand the importance's of Geo Strategic mineral to Students.
- Understand the Concept of Geo Politics for Students.
- Make Students aware of the essence of mehinders hartland theory.
- Understand the Geographical Factors affecting Students wars .

## **Department of Political Science**

### **F.Y.B.A.**

#### **General Paper 1: Introduction to Indian Constitution**

- Students will get Basic Introduction to Indian Constitution
- Students will understand Indian Constitution as social document
- To get Basic Introduction to the fundamental Rights
- To get Basic introduction of Indian Executive
- To get Introduction of Indian Legislative

### **S.Y.B.A.**

#### **General Paper 2: Political Movement in Maharashtra**

- To introduce students to the movement in Maharashtra
- To introduce students to the state organization committees.
- To introduce students to the rural local Administration
- To introduce students to the urban local Administration

#### **Special Paper 1: Modern Political Ideologies**

- Students will get introduced to the Democracy and its process.
- Students will get introduced to the Nationalism and its theories.
- Students will get introduced to the Socialism and its features.
- Students will get introduced to the Marxism and its impact on the world.
- Students will get introduced to the Globalization and its process.

#### **Special Paper 2: Indian Political Thought**

- Students will be able to understand Mahatma Gandhi's political thought
- Students will be able to understand Dr. Ambedkar's political thought
- Students will be able to understand Neharu's political thought
- Students will be able to understand Maulana Azad's political thought
- Students will be able to relate present democracy with political thoughts.

### **T.Y.B.A.**

#### **General Paper 3: Personal Administration and Management**

- Students will get introduced to the basic concepts of Administration
- Students will get introduced to the basic concepts of the Management

- Students will get introduced to the training and its application.
- Students will get introduced to the basic concepts of the Leadership
- Students will get introduced to the Policy formation

### **Special Paper 3 : Western Political thought.**

- Students will get introduced to the western political thought.
- Students will get introduced to the Plato's political thought.
- Students will get introduced to the Aristotle's political thought.
- Students will get introduced to the Marx's political thought.
- Students will get introduced to the Laski's political thought.

### **Special Paper 4: Modern Political Analysis**

- Students will get basic introduction to the methods of the political Analysis.
- Students will get introduced to the process of the political participation.
- Students will be able to understand the political leadership.
- Students will be able to understand the political communication.
- Students will be able to understand political socialization.

## **Department of Hindi.**

### **F.Y.B.A.**

#### **General Hindi 1.**

- Develop the comprehensive ability.
- Inculcate moral and human values within themselves.
- Understand the basic forms of fiction and poetry.

### **S.Y.B.A.**

#### **General Hindi 2: Short Story and Poetry.**

- To develop literary tendencies.
- To understand the types of Hindi Short story writing.
- To understand Hindi neo-song poetry and its development.

### **T.Y.B.A.**

#### **General Hindi 3: One Act Play, Essay and Grammar.**

- To introduce to the minor genres such as One Act Play, Essay and Hindi Prose
- To study Grammar which acquainted them to the correct usage language.
- To use literature to develop their social and moral sense in life.



## **Programme Outcomes of B.Sc.**

### **B.Sc. Chemistry**

- Apply knowledge of Chemistry to become competent teacher at local and national level.
- Identify and solve complex scientific problems in research at national and international level.
- Investigate chemical problems using scientific tools for analysis and interpretation of data.
- Select, design and apply appropriate experiment techniques along with IT tools to solve chemical problems.
- Comprehend to apply contextual multi-disciplinary knowledge to assess societal, health, safety, and cultural issues relevant to the science practices.
- Adopt scientific concepts relating to environmental usage and sustainable Development.
- Follow the ethical principles and responsibilities of a chemist to serve the society.
- Communicate effectively through report writing, documentation and effective presentations.
- Function effectively as an individual, and as a member or leader in diverse teams, in multidisciplinary settings.
- Engage in independent and lifelong learning in science, technological changes and related matters.
- Enhance skills for future employability through activities such as seminar, communication skills, industrial visit, and internship.
- Recapitulate the courses in chemistry required for competitive examination.

### **B.Sc. Physics:**

- Demonstrate and think in depth to understand the minor and major concepts in scientific and technological aspects in all disciplines of physics.
- Enrich the knowledge through problem solving and also think methodically to draw a logical conclusion.
- Develop analytical abilities towards real world problems and create an awareness of the impact of Physics on the society.
- Develop awareness to use modern techniques, decent equipment's, and also the scientific knowledge to design record and analyse the results of Physics experiments.

### **B.Sc. Mathematics :**

- To equip students with analytic and problem-solving skills for careers and graduate work.
- Students will be well grounded in the basic manipulative skills level of algebra, geometry, trigonometry and beginning level calculus.
- Be able to transmit mathematics ideas both orally and in writing.
- Investigate and solve unfamiliar maths problems.
- Investigate and apply mathematical problems and solutions in a variety of Contexts Scientific temper will be developed in Students.
- Apply mathematical methods involving arithmetic, algebra, geometry, and graphs to solve problems.
- Students will possess basic subject knowledge required for higher Studies.
- Professional and applied courses like Mathematics, Financing, Banking, Competitive Exam etc.
- Represent mathematical information and communicate mathematical reasoning symbolically and verbally

### **B.Sc. Botany :**

By the end of the course students will be able

- To study the Lower and higher cryptogamic plants.
- To study the diversity and economical importance of Angiosperms and Gymnosperms plant groups.
- To study Plant Physiology, Metabolism, Anatomy, Embryology and Ecology.
- To study techniques of Horticulture, Floriculture, Plant Breeding etc.
- Study of salient features of cryptogamic plants
- To know the Role of Cytology and Phytochemistry in Taxonomy.
- To Study the Scope and Importance of Molecular Biology.

### **B.Sc. Zoology :**

- Possess a good command of fundamentals in Zoology and its relationship to other disciplines.
- Memorize the concepts of laboratory management, organization and evaluation.
- Recognize the management and concepts of bio-systems, organization and evaluation.
- Design and conduct experiments in Zoology

- Outline the policy and legislation of animal Science and ethics.
- Communicate effectively through writing reports, giving presentations, and participating in discussions
- Demonstrate skill in the usage of computers, networks, and software packages relevant to Zoology