

<b>Rayat Shikshan Sanstha's,</b>
<b>Arts, Science and commerce College, Ramanandnagar (Burli)</b>
<b>Programe Outcomes</b>
<b>Department Of Marathi</b>
1.Realized the importance literature in creating aesthetic, mental, moral, intellectual development of an individual and increasing a healthy society.
2.Taken up independent creative writing or various aspects in literature, social, economic political, environmental issues in the form of story, poetry, research articiles, reports, etc in various periodicals & journals.
Participated & led various activities related to literature & social issues in order to create social awareness and harmony.
3.Gained the analytical ability to analyse critically the literature and social issues, appreciate the strength and suggest the improvements for better results.
4.Understood how issues in social science influence literature and how literature can provide solutions to the social issues.
5.Written articles, novels, stories to spread the message of equality, nationality, social harmony, etc.
6.Developed various communication skills such as reading, listing, speaking, etc., which will help in expressing ideas and views clearly and effectively.
<b>Department Of Hindi</b>
1. Develop Attitude of Literary Forms. (Hindi Poetry & Fiction)
2. Develop Reading, Writing & Communication Skills of Students.
3. Get information about the history of ancient, medieval and modern Hindi Literature.
4. Learn the literary works on the basis of the foundation laid by the scholars.
5. Get information about Literary Theory.
6. Develop Approach of Hindi Linguistics & Grammar.
7. Applications of Literature and Language concepts.
8. The literary works on the basis of the foundation laid by the scholars.
9. The basic need for strengthening the language capacity.
10. The latest development of literary works in the world and within the country
<b>Department of English</b>
1. Understand basic concepts of language and literature
2. Analyse social issues by implementing critical theories.

3. Developing communicative and social approach among the students.
4. Analyse domicile, social, political issues via literary theories.
5. Acquire knowledge of foreign languages.
6. Literary theories give scope for interdisciplinary studies.
7. Improve student's ability to express their point of views on concerned issues
<b>Department Of Geography</b>
<b>After completing the graduation in Geography, the student should have:</b>
1. Acquired knowledge with facts and figures related concerned with Geography
2. Understood how issues in social science influence literature and how literature can provide Solutions to the social issues.
3. Emerged as a multifaceted personality who is self dependant; earning his own bread and butter and also creating opportunities to do so.
4. Developed a flair for participating in various social and cultural activities voluntarily, in order to spread knowledge, creating awareness about the social evils, blind faith, etc.
5. Developed scientific outlook not only with respect to science subjects but also in all aspects related to life.
6. Realized how developments in any one-science subject help in the development in other Science subjects and vice-versa and how interdisciplinary approach helps in providing better Solutions and new ideas for sustainable developments.
<b>Department Of Economics</b>
After completing the graduation in the faculty of Arts the student should have:
· Acquired knowledge with facts and figures related concerned with subjects such as History, Geography, Economics, Languages, etc.
· Understood the basic concepts, fundamental principles, and various theories in the above mentioned subjects.
· Realized the importance literature in creating aesthetic, mental, moral, intellectual development of an individual and increasing a healthy society.

· Understood how issues in social science influence literature and how literature can provide solutions to the social issues.

· Gained the analytical ability to analyze critically the literature and social issues, appreciate the strength and suggest the improvements for better results.

· Appreciated that social issues are no longer permanent and largely depend on political, economical changes and also on the developments in science and technology.

· Convinced himself/herself that study of literature and social sciences not only help to evolve better individual and better society but also help to make the life of an individual more happy and meaningful.

· Participated in various social and cultural activities voluntarily .

· Written articles, novels, stories to spread the message of equality, nationality, social harmony, etc.

· Emerged as a multifaceted personality who is self dependant; earning his own bread and butter and also creating opportunities to do so.

· Realized that pursuit of knowledge is a lifelong process and in combination with untiring efforts and positive attitude are necessary qualities for leading a successful life.

· Developed various communication skills such as reading, listing, speaking, etc., which will help in expressing ideas and views clearly and effectively.

### **Department Of History**

1. Understand basic concepts of history.

2. Analyse Socio-economic behaviour in practice.

3. Understand the history way of thinking.

4. Analyse historical and current events from Socio-eco. Cultural perspective.

5. Create students ability to suggest solutions for various Socio-economic problems.

### **Department of Political Science**

1. Students should know characteristics of Indian Government.

2. Students should know about Indian Constitution.

3. Students should know about Indian Political process, democracy.

4. To aware students about democracy of Indian & raise the participation in the politics.

5. To understand the value like sovereignty, freedom, liberty, justice etc.

6. To understand Government of local Governments and its movements to initiate the programme for development of society.

7. To aware students about the administration and the citizen role.

### **Faculty Of Commerce**

1. Acquired knowledge with facts and figures related to business operations.

2. Students acquire knowledge of Marketing, Management, Insurance, English related to business communications, Business Economics, statistics & accounting for corporates, Business regulatory framework etc.

3. Practical knowledge related to Finance, Corporate, Management accounting & Advanced Accounting.

### **Faculty of Science**

#### **Department Of Zoology**

he students develops ability to apply scientific methods, collection of scientific data, problem solving, organize scientific exhibitions, curiosity, thinking etc.

2. Students develops scientific outlooks in science and other subjects.

3. Students develops various communications skills in read in specking. Listening this will help them to express scientific and other ideas.

4. Students will develops interest in subject and scientific hobbies.

5. The students will appreciate the subject contribution of the scientists, scientific methods, scientific programmes etc.

#### **Department Of Botany**

1. Students understand the applications of Botanical Techniques

2. Students have got Information of the Biotechnology, Genetic Engg. Horticultural, Nursery technique, Mushroom Cultivation technology etc.

3. Students acquire basic knowledge of Plant Classification and Identification.
4. Students acquire knowledge of Agricultural Weeds and Plant diseases.
5. Students acquire knowledge of B. Sc. Botany Programme and can use Botanical Knowledge for making Job opportunity.
<b>Department Of Physics</b>
Understand the set of physical laws, describing the motion of bodies, under influence of system of forces.
Understand fundamental theory of nature at small scale & energy levels of atom & sub-atomic particles.
Analyze the application of mathematics to problem in physics & development of mathematical method.
Analyze the application of mathematics to problem in physics & development of mathematical method suitable for such application & for formulation of physical theories.
<b>Department of Mathematics</b>
1. Learn to solve improper integrals.
2. Understand the concepts of matrices, graph theory, differential equation etc.
3. Learn properties of divisibility and how to find greatest common divisor of any two integers.
4. Understand the Cayley -Hamilton Theorem and its use for finding the inverse.
5. Understand the Leibnitz theorem and its applications.
<b>Department of Statistics</b>
1. To understand distinguish between random & non-random experiment.
2. To Apply discrete Probability Distribution studied in the course in different Situations.
3. Students should know meaning Time series. Students should know SQC, Demography
4. To understand concept of testing.
<b>Department of Chemistry</b>
1. To promote understanding of basic facts and concept in chemistry while retaining the excitement of chemistry.
2. To make student capable of studying chemistry in academic and industrial courses

3. To expose the students to various new emerging new areas of chemistry and apprise them with there prevalent in their future studies and their applications in various spheres of chemical sciences.
4. To develop problem solving skill in students
5. To expose the students to different processes used in industries and their applications.
6. To develop ability and to acquire the knowledge of terms, facts, concepts, processes, techniques, and principles of subjects.
7. To develop ability to apply the knowledge of concepts of principles of chemistry.
8. To inquire of new knowledge of chemistry and development therein.
9. To expose and to develop interest in the field of chemistry.
10. To develop proper aptitude toward the subject.
11. An ability to apply knowledge to designing conduct field visit, industrial visit practical knowledge.
12. To designed system or multidisciplinary strategy to start self employment.
13. To identify formulate and sort timely.
14. To understand performed and ethical responsibility.
15. To communicate effectively global, local problems and develop ability to solve.
16. To make the students aware about the latest technology ICT, technique for self and national development.
17. To develop the power of appreciations, the achievements in chemistry and role in nature and society.
18. To develop skill required in chemistry such as the proper handling of apparatus and chemicals.

### **Department of Computer Application**

This course is based on the course “Introduction to Programming”.So the students must have basic knowledge of mathematical and algorithmic logics, to understand major control structures such as branching, loops and expressions

Gather and analyze both qualitative and quantitative information to isolate issues and formulate best control methods

Locate and analyze financial data from annual reports of corporations

Students will be able to utilize appropriate office technology

Students will be able to utilize appropriate MS-office 2007
Write C program for simple applications of real life using structures and files
The educational aims of the programme are to give an understanding of the role of banks in an economy, of the structure of banking in different economies
Students do possess required skill and can also be employed as Tally data entry operator.
Define the role of marketing in business.
Explain the critical tradeoffs existing between total cost and sales volume in determining desired profit goals.
Describe the meanings of terminology and tools used in managing employees effectively.
Design system components and environments.
To learn the characteristics of an object-oriented programming language: data abstraction and information hiding, inheritance, and dynamic binding of the messages to the methods.
Apply knowledge to solve simple tasks using computer (MS Excel)
Design strategies for successful implementation of ideas
Explain how organizational change and culture affect working relationships within organizations.
Master the basics of query evaluation Techniques and query optimization.
Students are able to develop a dynamic webpage by the use of java script and HTML.
Be able to use appropriate technologies to solve mathematical problems
Prepare an income statement required for external reporting and a different one more useful to managers for managerial decision-making.
Analyze the impact of E-commerce on business models and strategy.
To master the terminology and concepts of the OSI reference model and the TCP/IP reference model.
To understand the functional dependencies and design of the database.

Describe the basic structure of a Visual Basic.NET project and use main features of the integrated development environment (IDE)

Apply appropriate tools, theories and concepts to analyze strategic issues in organizations and to develop strategies for implementation.

Data preprocessing and data quality.

- Modeling and design of data warehouses.

- Algorithms for data mining.

Identify and use UNIX/Linux utilities to create and manage simple file processing operations, organize directory structures with appropriate security, and develop shell scripts to perform more complex tasks.

Create Java programs that solve simple business problems.

## **2.6.2: Programme Specific Outcomes**

### **Department Of Marathi**

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10. The latest development of literary works in the world and within the country.

### **Department Of English**

On completion of graduation programme, students are able to:

1. Use English in speech fluently as well as written form with an accuracy.
2. Inculcation of moral and human values for one's transformation of behaviour.
3. Write clearly, effectively, and imaginatively, and to accommodate writing style to the content and nature of the subject.
4. Analyse the structure and evolution of English words and texts from the point of view of morphology, phonology, grammar, syntax and semantics.
5. Recognize and comprehend different varieties of English.

### **Department of History**

1. Acquired knowledge with facts and figures related concerned with subjects such as History.
2. Understood the basic concepts, fundamental principles, and various theories in the above mentioned subjects.

3. Realized the importance literature in creating aesthetic, mental, moral, intellectual development of an individual and increasing a healthy society. Understood how issues in social science influence literature and how literature can provide solutions to the social issues.

### **Department of Economics**

1. Understand basic concepts of economics.
2. Analyse economic behaviour in practice.
3. Understand the economic way of thinking.
4. Analyse historical and current events from an economic perspective.
5. Write clearly expressing an economic point of view.
6. Find alternative approaches to economic problems through exposure to coursework in allied fields.
7. Create students ability to suggest solutions for various economic problems.

### **Department of Geography**

1. Understand basic concepts of Geography
2. Study the land forms and processes.
3. Analyse historical and current events from an Geographical perspective.
4. Understand the structure, composition of different spheres of the earth and its Atmosphere.
5. Understand the scientific way of thinking.
6. Create students ability to suggest solutions for various Geographical problems.
7. Write clearly expressing an scientific point of view.
8. Make use GIS & GPS software.
9. Understand importance of oceans, rivers and water and find ways of their conservation.
10. Understand the science of Remote Sensing.
11. Understand the concepts of Physiography, Drainage, Climate, and Vegetation
12. understand the Function and types of Biogeography.
13. understand Watershed management and water harvesting Structure.

### **Department of Political Science**

1. Understand basic concepts of political science.
2. Analyse political system in India,
3. Understand political human right,
4. Analyse historic and political events from Indian politics.
5. Write clearly expressing citizenship.
6. Find alternative approaches to political problems through explore to coursework in allied course.

7. Create students ability to suggest solutions for various national and international political issues.

### **Department of Commerce**

1. Develop students to entrepreneur or self-employed.
2. Understand basic concepts of Accounting.
3. Analyse business operation independently.
4. Gain commercial way of thinking.
5. Understand Business Laws, Auditing & taxation mechanism.
6. Globalised Business Economics concepts.
7. Know the application of Accounting in all the sectors in recent version.
8. Create students ability to think critically as well as problem solving approach.

### **Department of Chemistry**

1. Students could understand the analytical techniques in chemistry.
2. Students could understand the applications of Chemistry Students develop their own business in small scale or large scale of some domestic chemicals such as phenyl, sanitary acids, liquid soaps, cold creams etc.
3. Students could acquire basic knowledge separation science.
4. Students could acquire basic knowledge of preparation of dyes & drugs and their applications in day today life.
5. Students acquire the knowledge of solvent extraction techniques.
6. Students acquire the knowledge of extraction some natural drugs, pigments and they are environmentally friendly keeping green approach in mind.
7. The students get develops skills in laboratory, experiments in laboratory which would be benifited in their future carrier

### **Department of Physics**

- Demonstrate a rigorous understanding of the core theories & principles of physics, which include mechanics, electromagnetism, thermodynamics, & quantum mechanics.
- Learn the Concept of Quantum Mechanics, Relativity, introduced at degree level in order to understand nature at atomic levels.
- Provide knowledge about material properties and its application for developing technology to ease the problems related to society.
- Understand the set of physical laws, describing the motion of bodies, under influence of system of forces.

- Understand the relationship between particles & atom, as well as their creation & decay.
- Relate the structure of atoms & subatomic particles
- Understand physical properties of molecule the chemical bonds between atom as well as molecular dynamics.
- Analyze the application of mathematics to problem in physics & development of mathematical method suitable for such application & for formulation of physical theories.
- Learn the structure of solid materials & their different physical properties along with metallurgy, cryogenics, electronics, & material science.
- Understand fundamental theory of nature at small scale & energy levels of atom & sub-atomic particles.

### **Department of Botany**

- Botany course offers self-employment for the student like mushroom cultivation, organic manure preparation, cultivation of crops, Horticulture practices etc.
- Understand structural organization in different plants and genetical variations.
- Understand different physiological functions of plants.
- Understand economically important crop plant.
- Students will be well versed with various processes such as mushroom, bio-fertilizers compost, Horticultural techniques etc.
- Develop Research attitude among students about new areas of research in botany like Energy Crisis, Effect of Environment on Agriculture production, Air Pollution, Water Pollution etc.

### **Department of zoology**

1. Students could understand the non- chordates and chordate animal classification.
2. Students could understand the applications of Zoology
3. Students could run the apiculture, poultry, dairy, vermitechnique , prawn culture and goat farming.
4. Students could acquire basic knowledge of sex- determination in man.
5. Students could acquire knowledge of inherited human diseases.
6. Students could acquire basic knowledge of histology of human organs which will be the foundation for pathology.
7. Students could acquire knowledge of complete B.sc. programme they could start additional source of income instead of running behind job.
8. The students get developes skills in laboratory, experiments in laboratory which would be benifited in their future carrier

### **Department of Mathematics**

- Learn to solve improper integrals.
- Learn to find the area by double integration and volume by triple integration by given function
- Understand the concepts of matrices, graph theory, differential equation etc.

- Learn properties of Gamma and Beta Function.
- Learn properties of divisibility and how to find greatest common divisor of any two integers.
- Use of linear equations for solving any differential equation.
- Understand the group theory and its types such as Abelian group, monoid group, semi group, group etc.
- Understand the Cayley -Hamilton Theorem and its use for finding the inverse.
- Understand the Leibnitz theorem and its applications.

### **Department of Statistics**

- Serve as Statistics with sound theoretical, practical & computational skill.
- Work as researcher for formulation & solution of mathematical, scientific, social & industrial problem.
- Understand the role of statistics in science, society & for National Development.
- Apply some discrete & continuous probability distribution which are highly useful in modeling real life uncertainties.
- Investigate the relationship between a variable of interest (the response) & a set of related predictor variable & formulate & fit the appropriate regression model to the given dataset.

### **Department of BCA**

- 1 Appreciate and understand the working of a digital computer.
2. Analyze a given problem and develop an algorithm to solve the problem.
5. Test programs written in 'C,C++,JAVA,.NET,HTML.
- 6.'An ability to understand the functions of various hardware components and their Building blocks.
7. Develop the software projects or prototypes by understanding the requirements.
8. Design, develop and test Applications written in Visual Basic.NET,Web Technology.
9. Tally.ERP 9 provides simple-to-use accounting features that enable you to record business transactions easily like creating and maintaining masters, vouchers, and generating reports.
10. E-commerce provides all facilities of the internet used to support e-commerce and e- business systems.

### **Department of English M. A.**

On completion of M.A (English), students are able to:

1. Analyse and critically examine diverse forms of discourse.
2. Acquire substantial quantities of complex information in a critical, structured and systematic way.
3. Assist in understanding of extended frontiers of language and literature

4. Apply advanced literacy and communication skills, notably in terms of clarity and persuasiveness, and harness these skills in appropriate contexts through oral presentation, writing and project work.
5. Think independently and do judgement demonstrated through critical practice.