

Bharati Vidyapeeth's
Matoshri Bayabai Shripatrao Kadam Kanya Mahavidyalaya , Kadegaon

Program Outcomes (UG)

The College offers three year degree programs (B.A., B.Sc., B. Com.) and their outcomes are as given below.

B.A. :

The special subjects offered for this degree program are Marathi, Hindi , English, History and Economics.

- Apply knowledge and skills to the wide range of educational, professional and personal circumstances.
- Able to develop concepts and theories.
- Practice of language learning skills.
- Exhibit critical thinking skills.
- Help in literacy movement.
- Interact with all types of audiences.
- Write documents related to their careers.
- Use, analyze learned knowledge at graduation.
- Proceed for higher education.
- Be the ideal citizens of democratic of India.

B.Sc. :

The special subjects offered for this degree program are Physics, Chemistry , Botany and Microbiology. The students at the time of graduation will be able to -

- Apply their knowledge of science in a variety of fields.
- Gain knowledge in one specific area of study and interest.
- Understand the local and global contexts.
- Relate scientific knowledge to current scenario.
- Apply correct methods of research, investigation and design to solve problems in various areas of science.
- Plan and implement projects, problems or investigations.
- Search, evaluate and manage scientific information and knowledge.
- Employ developed conceptual, analytical, quantitative and technical skills.
- Be able to correlate various science streams, locally and globally.
- Evaluate the role of science in addressing, solving and managing current issues facing local and global communities.

- Communicate ideas of and about science and technology ideas.

B. Com. :

The special subject offered for this degree program is Accountancy. The students at the time of graduation will be able to -

- Demonstrate knowledge of major theories and models in key areas of organizational behavior.
- Analyze organizational problems and generate realistic solutions based on current academic research in organizational behavior.
- Demonstrate knowledge of macroeconomic and microeconomic theories related to current policies and issues.
- Demonstrate knowledge of key concepts underlying quantitative decision analysis.
- Apply basic mathematical and statistical skills for analyzing problems in economics, accounting, marketing, management and finance.
- Apply knowledge of domestic and international economic and organizational environments.
- Analyze commerce and business issues in the international contexts.
- Compare international contexts and issues, in terms of commerce disciplines.
- Evaluate national and international debates and discussions on economic, commercial, and business issues.
- Understand the concepts, principles, theories and arguments of their selected areas of study outside economics and business

Program Outcomes (PG)

M.Sc. (Botany)

The students at the post graduation will be able to:

- Understand advanced deep Knowledge and practical skills in Botany.
- Work within a small team to achieve common research goals.
- With techniques like Chromatography , Micrometry, Microphotography, Spectroscopy etc
- Self -led practical-based research, particularly in Mycology and Plant Pathology
- Exploit methods of the results of research.

M.A. (Marathi)

The students at the post graduation will be able to:

- भाषिक आविष्काराचे स्वरूप, भाषेची सर्जनशील प्रक्रिया, भाषा आणि साहित्य यांचा संबंध समजून घेतला .
- भाषा आणि साहित्यप्रकार यातील अनुबंध समजून घेतला . साहित्यप्रकारांची संकल्पना समजून घेतली .
- विविध वाङ्मयप्रकारातील कथनांचे स्वरूप अभ्यासले . लेखकाचे वाङ्मयीन व्यक्तिमत्व आणि लेखक व त्याचा समकाल समजून घेतला . साहित्यकृतीतून लेखकाच्या समकालाचे प्रतिबिंब कशा प्रकारे प्रकट होते याचा अभ्यास केला . लेखकाच्या इतर साहित्यकृती विचारात घेऊन लेखकाच्या वाङ्मयीन जडणघडणीचा विचार केला . लेखक अभ्यासपध्दतीचा उपयोग कसा करावा हे समजून घेतले .
- स्वातंत्र्यपूर्व काळातील महाराष्ट्रातील सामाजिक-राजकीय-सांस्कृतिक जीवनाची पार्श्वभूमी समजून घेणे तसेच त्याचा साहित्यावरील आंतरसंबंध अभ्यासला . या काळातील विविध साहित्यप्रवाहांचा इतिहास अभ्यासताना त्या त्या प्रवाहातील वाङ्मयप्रकारांचे स्वरूप वैशिष्ट्ये अभ्यासली .
- मुख्य प्रवाहातील साहित्याबरोबरच इतर समांतर साहित्य प्रवाहांची वैशिष्ट्ये समजावून घेतली .
- १९५०-२००० स्वातंत्र्यपूर्व काळातील महाराष्ट्रातील सामाजिक-राजकीय-सांस्कृतिक जीवनाची पार्श्वभूमी समजून घेतली . तसेच त्याचा साहित्यावरील आंतरसंबंध अभ्यासला . या काळातील विविध साहित्यप्रवाहांचा इतिहास अभ्यासताना त्या त्या प्रवाहातील वाङ्मयप्रकारांचे स्वरूप वैशिष्ट्ये अभ्यासली .
- लोकसाहित्य आणि लोकसंस्कृती यातील परस्परसंबंध समजावून घेतला . लोकसाहित्याची संकल्पना समजावून घेतली .
- लोकसाहित्याच्या परंपरेची ओळख करून घेतली . लोकसाहित्याचा उगम आणि व्याप्तीबद्दल माहिती घेतली .
- मराठी लोककथा-लीककला-लीकनाट्य यांचा मराठी भाषेच्या संदर्भात परिचय करून घेतला .
- मराठी साहित्यकृतीमधील लोककलांचा अविष्कार आणि प्रयोगरूप यांचा अभ्यास केला . समाजभाषाविज्ञानाचे स्वरूप अभ्यासले .

- समाजभाषाविज्ञानातील विविध सिध्दांत□संकल्पनाचा परिचय करून घेतला .समाज□संस्कृती आणि भाषा यामधील परस्पर संबंध समजून घेतला .
- समाजभाषा विज्ञानाची व्याप्ती समजून घेतली .भाषाव्यवहाराची विविधता समजून घेतली .भाषासंपर्काचे स्वरूप अभ्यासले .भाषिक नियोजन म्हणजे काय ते समजून घेतले .बहुभाषिक देशातील भाषिक प्रश्नांचा परिचय करून घेतला .
- भाषाशिक्षणाचे स्वरूप आणि भाषाशिक्षणाच्या विविध बाजूंचा अभ्यास केला .वाङ्मयीन संस्कृती ही संकल्पना समजून घेतली .
- समाज आणि संस्कृती यातील अनुबंध लक्षात घेतले .मौखिक आणि लिखित परंपरेत वाङ्मयीन परंपरेला संघटित करणाऱ्या घटकांचा विचार केला .
- वाङ्मयीन संस्कृतीचे स्वरूप तपासले .उपयोजित समीक्षेतील काही समीक्षेचे स्वरूप माहिती करून घेतले .
- समाजशास्त्रीय व आदिबंधात्मक समीक्षा या समीक्षाप्रवाहांचा विचार केला .
- प्रत्यक्ष उपयोजित समीक्षेचे उपयोजन म्हणून निवडक साहित्यकृतींचा विचार केला .
- संस्कृती अभ्यास या ज्ञानशाखेची ओळख करून घेतली .
- बदलत्या सामाजिक आणि राजकीय संदर्भात साहित्य संस्कृती यांच्या संबंधाचा अभ्यास केला .
- आंतरविद्याशाखीय अभ्यास पध्दतीची ओळख करून घेणे .
- साहित्य आणि इतर अभिव्यक्तिरूपांच्या परस्पर संबंधाचा संस्कृती अभ्यासावरील प्रभाव अभ्यासणे .
- भाषा□बोली आणि समाजाचा परस्परसंबंध अभ्यासणे .
- प्रमाणभाषा आणि बोली स्वरूप□विशेष समजून घेतले .
- बोलीभाषांची निर्मितीप्रक्रिया अभ्यासली .बोलीच्या अभ्यासाचे महत्व समजून घेतले .
- समाजभाषाविज्ञानाचे स्वरूप समजून घेतले . समाजभाषाविज्ञानातील विविध सिध्दांत□संकल्पनांचा परिचय करून घेतले . समाजभाषाविज्ञानाची व्याप्ती समजून घेतली .
- समाज□संस्कृती आणि भाषा यातील परस्पर संबंध समजून घेतले .भाषाव्यवहाराची विविधता समजून घेतली .
- भाषासंपर्काचे स्वरूप अभ्यासणे .
- भाषिक नियोजन म्हणजे काय ते समजून घेतले .बहुभाषिक देशातील भाषिक प्रश्नांचा परिचय करून घेतली .
- भाषिक नियोजनाची उद्दिष्ट्ये जाणून घेतली . भाषाशिक्षणाचे स्वरूप आणि भाषाशिक्षणाच्या विविध बाजूंचा अभ्यास केला .
- मराठीच्या विविध बोलींचा समाजभाषा वैज्ञानिक विचार केला .

- वाङ्मयीन अभिरूचीचा वाङ्मयीन संस्कृतीवर कसा प्रभाव पडतो हे तपासले .
- कोणत्याही काळात समाज प्रभोधनासाठी वाङ्मयीन संस्कृती कशाप्रकारे कारणीभूत ठरते याचा विचार केला .
- वाङ्मयीन संस्कृतीचे स्वरूप तपासले . वाङ्मयीन संस्कृती बदलांमध्ये परिणाम करणाऱ्या वेगवेगळ्या घटकांचा विचार केला .
- मराठी समीक्षाविचाराचे स्वरूप व परंपरा जाणून घेतल्या . मराठीतील सैध्दांतिक व उपयोजित समीक्षेचे स्वरूप माहिती करून दिला .
- मराठी समीक्षा वाटचालीतील प्रमुख विचारांचा परिचय करून घेतला .
- बोलीची संरचना अभ्यासली . बोलीची समाजभाषा वैज्ञानिक दृष्टीकोनातून विचार केला . बोली भूगोला ही संकल्पना समजून घेतली .
- कोल्हापूरी बोलीचे क्षेत्रिय संशोधन केले .

PROGRAM SPECIFIC OUTCOMES (UG)

B.A. (English):

The graduates in Special English are able to-

- Understand major and minor forms of literature.
- Have developed interest in literature and language.
- Enjoy reading the short stories, poems, novels and dramas.
- Know the literary theories, terms and concepts in Criticism.
- Appreciate the literary works.
- Understand the structure and function of grammatical units.
- Know the use of language at semantic and syntactic levels. The students could improve vocabulary.
- Use English effectively in formal and informal situations.
- Attempt creative writings.
- Know phonological and morphological aspects of English.
- Understand the values of literature in life.
- Understand different cultures of the times.
- Know various genres in English literature like Indian English literature, British literature and American literature.
- Develop language learning skills like Listening, Speaking, Reading and Writing.
- Develop vocabulary and communicative skills.
- Develop verbal and non-verbal skills of communication.
- Are able to get the jobs in industry, government, schools and offices.
- Have enriched confidence to appear for competitive examinations.

बी ए . (मराठी):

- साहित्यातील जीवनदर्शन, समकालीन व्यवहार याची जाणीव दिली .
- साहित्यविषयक आकलनक्षमता वाढविली .
- उपयोजित भाषाकौशल्य प्राप्त केली .
- 'युवक' गटातील विद्यार्थ्यांची मनोभूमिका पक्की केली .
- विद्यार्थ्यांची मराठी भाषा आणि साहित्याविषयी अभिरूची विकसित केली .
- मराठी साहित्य परंपरा, लेखक, कवी यांचा परिचय करून दिला .
- विद्यार्थ्यांमध्ये मातृभाषा, राष्ट्रीय एकात्मता आणि उच्च मानवी मूल्यांविषयी जाणीव निर्माण केली .

- विद्यार्थ्यांचा व्यक्तिमत्व विकास घडवून विविध परीक्षा-स्पर्धा परीक्षा आणि स्पर्धा परीक्षांची पूर्वतयारी करून घेतली .
- चित्रपट आणि प्रसारमाध्यमे यांच्या लेखन आणि उपयोजनाच्या आकलनाचा अवकाश वाढविला .
- ललित साहित्यप्रकारांची ओळख करून घेतली .
- साहित्यातून मानवी जीवन व व्यवहार समजावून दिले .
- साहित्याच्या सामाजिक बांधिलकीची जाण अधिक दृढ केली .
- 'युवक' वयोगटातील विद्यार्थ्यांची मनोभूमिका पक्की केली .
- विद्यार्थ्यांची वाङ्मयीन अभिरूची विकसित केली .
- साहित्य आणि संस्कृती-भाषा आणि संस्कृती यांचा अनुबंध तपासला .
- वाङ्मयीन प्रकार व कलाप्रकार समजावून घेण्यास मदत केली .
- साहित्यविषयक आकलन क्षमता वाढविली .
- निबंधलेखनाच्या माध्यमातून भाषा उपयोजनाची कौशल्ये विकसित करणे .
- मध्ययुगीन मराठी वाङ्मयाचा व भाषेचा परिचय करून घेतला .
- अनुवाद प्रक्रियेचा परिचय झाला .
- समकालीन जाणीवा व्यक्त करणाऱ्या कथांचा परिचय करून घेतला .
- नाटक या वाङ्मय प्रकाराचे आकलन करून घेतले .
- समकालीन नाटकातून नाटककाराच्या समकालाचे प्रतिबिंब कशाप्रकारे प्रकट होते याचा अभ्यास झाला .
- नाट्याभ्यासाद्वारे प्रयोगरूप नाटक व नाटयक्षेत्रातील ज्ञानसंपादनास चालना मिळाली .
- नाट्याभ्यासातून सभ्यता-संस्कृती राष्ट्रीय एकात्मता व बंधुता वाढीस लागण्यास मदत झाली .
- विद्यार्थ्यांमध्ये संवादलेखन कौशल्ये विकसित झाले .
- मध्ययुगीन मराठी वाङ्मयाचा व भाषेचा परिचय करून घेतला .
- संपादनप्रक्रियेचा परिचय झाला .
- समकालीन जाणीवा व्यक्त करणाऱ्या कवितेचा परिचय करून घेतला .
- मराठी काव्यपरंपरा व प्रवाहांची ओळख करून घेतली .
- मराठी काव्यातून प्रकट होणारे माणूस आणि समाज यातील परस्पर संबंध शोधले .
- कवितेच्या कलात्मक आकृतीबंधाचे मोल अभ्यासले .
- काव्यप्रवाहानुरूप काव्यलेखनाचे विशेष समजावून घेतले .
- प्रात्यक्षिकेद्वारे काव्यलेखन कौशल्ये समजविण्यास मदत झाला
- पौर्वात्य काव्यसास्त्राची ओळख करून दिली .
- काव्याची लक्षणे आणि प्रयोजने समजावून दिली .
- साहित्याची निर्मितीप्रक्रिया आणि स्वरूपाची जाणिव करून दिली .

- भाषेचे 'अलंकार' समजावून दिले .
- रसप्रक्रिया समजावून दिली .
- साहित्याची आस्वाद प्रक्रिया समजावून घेतली .
- साहित्यनिर्मितीच्या आणि आस्वादाच्या आनंदाची मीमांसा केली .
- विद्यार्थ्यांचा वाङ्मयीन दृष्टीकोन विकसित केला .
- आधुनिक भाषा विज्ञानाचा परिचय करून दिला .
- भाषाविज्ञान आणि मराठी भाषा यांचा सहसंबंध जाणून घेतला .
- भाषेची उत्पत्ती स्वरूप कार्य समजावून दिले .
- ध्वनीपरिवर्तनाची कारणे व प्रकारांची माहिती करून दिली .
- मराठी भाषेची वर्ण व्यवस्था समजावून दिली .
- मराठी भाषेवद्दलची विद्यार्थ्यांची आवड विकसित केली .
- अर्थपरिवर्तनाच्या कारणांची व प्रकारांची माहिती करून दिली .
- मराठीचा उगमकाळ व तिच्या जनकभाषेविषयी माहिती करून दिली .
- मराठीची शब्दव्यवस्था शब्दाच्या जातीसमजावून दिली .
- मध्ययुगीन मराठी वाङ्मय परंपरांचा व इतिहासाचा परिचय करून दिला . या कालखंडातील वाङ्मय रचनाप्रकारांचा परिचय करून दिला . या कालखंडातील वाङ्मयनिर्मितीच्या प्रेरणांचा परिचय करून दिला . या कालखंडातील वाङ्मयाच्या सांस्कृतिक पार्श्वभूमीचा उलगडा करून दिला . या कालखंडातील प्रमुख संप्रदाय व ग्रंथनिर्मिती यांचा अनुबंध स्पष्ट केला . या काळातील मराठी भाषेचे स्वरूप स्पष्ट केले .
- औपचारिक आणि अनौपचारिक क्षेत्रानुसार भाषिक व्यवहार समजावून दिले .
- विविध क्षेत्रातील भाषिक कौशल्ये आणि क्षमता विकसित केले .
- लेखन-वाचन-भाषण या कौशल्यांचा विकास केला .
- भाषिक उपयोजनाने विद्यार्थ्यांचा शब्दसंग्रह समृद्ध केले .
- उपयोजित व सर्जनशिल लेखनास विद्यार्थ्यांना उदयुक्त केले .
- मराठीच्या विद्यार्थ्यांचा व्यक्तिमत्व विकास घडविला .
- मुलाखत-संपादन-परीक्षण अशा भाषिक आकृतिबंधाचा परिचय दिला .
- जनसंपर्क कौशल्याची आवश्यकता व तंत्रे समजावून दिले .
- मराठीतील विविध साहित्यप्रवाहांचा परिचय करून दिला .
- ग्रामीण साहित्यप्रवाहांची प्रेरणा-स्वरूप-दृष्टी व विकास समजावून दिला .
- अभ्यासार्थ नेमलेल्या साहित्यकृतीद्वारे संबंधित साहित्यप्रवाहाचे आकलन करून दिले .
- दलित साहित्यप्रवाहांची प्रेरणा-स्वरूप-दृष्टी व विकास समजावून दिले .

बी.ए. (हिंदी):

- हिंदी भाषा तथा व्याकरण का अध्ययन करना
- सृजनात्मक लेखन की विविध विधाओं कविता कहानी यात्रावृत्त रिपोर्ताज साक्षात्कार दृश्य साहित्य पत्रकारिता से परिचित कराना
- सृजनात्मक लेखन के विविध क्षेत्रों का परिचय कराना
- सृजनात्मक लेखन के विविध क्षेत्रों के महत्व तथा उपयोगिता से परिचित कराना
- हिंदी के विविध रूपों का परिचय कराना
- प्रयोजनमूलक हिंदी का परिचय कराना
- पत्राचार का स्वरूप तथा प्रकारों का परिचय कराना
- अनुवाद विज्ञापन और समाचार लेखन से परिचित कराना
- दृश्यवहारीक लेखन का महत्व तथा उपयोगिता से परिचित कराना
- छात्रों को हिंदी साहित्य के प्रति रुचि बढ़ाना
- छात्रों को हिंदी कविता के माध्यम से विविध कवियों से परिचित कराना
- छात्रों को हिंदी विविध कविताओं की भावधारा से परिचित कराना
- छात्रों में हिंदी भाषा के श्रवण पठन एवं लेखन की क्षमताओं को विकसित कराना
- छात्रों को काव्य निर्मिती के लिए प्रेरित कराना
- छात्रों की हिंदी साहित्य के प्रति रुचि बढ़ाना तथा छात्रों को साहित्य की विविध विधाओं से परिचित कराना
- छात्रों को हिंदी के प्रतिनिधी गद्यकारों एवं लेखन की क्षमताओं को विकसित करना
- छात्रों में हिंदी भाषा के श्रवण पठन एवं लेखन की क्षमताओं को विकसित करना
- निबंध कहानी चित्र एकांकी रिपोर्ताज स्मरण व्यंग आदि विधाओं के माध्यम से छात्रों का भावनात्मक विकास कराना
- छात्रों में नैतिक मूल्य राष्ट्रीय मूल्य एवं उत्तरदायित्व के प्रति आस्था निर्माण कराना
- छात्रों में राष्ट्र के प्रति प्रेम राष्ट्रीय ऐक्य स्थापना एवं सामाजिक प्रतिबद्धता हेतु राष्ट्रभाषा हिंदी का प्रचार प्रसार कराना
- छात्रों की विचार क्षमता तथा कल्पनाशीलता को बढ़ावा देना
- कथा साहित्य का स्वरूप विविध एवं प्रकारों का अध्ययन कराना
- समीक्षा मानदंडों के आधार पर कथा साहित्य का अध्ययन कराना
- कथेतर साहित्य का समीक्षात्मक अध्ययन कराना
- कथा और कथेतर साहित्य का वर्तमान प्रासंगिकता के साथ अध्ययन कराना
- छात्रों को हिंदी कवियों से परिचित कराना
- छात्रों में हिंदी भाषा के श्रवण पठन एवं लेखन की क्षमता को विकसित करना
- छात्रों की हिंदी साहित्य के प्रति रुचि बढ़ाना तथा छात्रों को साहित्य की विविध विधाओं से परिचित कराना
- छात्रों में नैतिक मूल्य राष्ट्रीय मूल्य एवं उत्तरदायित्व के प्रति आस्था निर्माण कराना

- छात्रों की हिंदी साहित्य के प्रति रूचि बढ़ाना तथा छात्रों को साहित्य की विविध विधाओं से परिचित कराना
- छात्रों को मध्यमकालीन हिंदी कावियों से परिचित कराना
- छात्रों में नैतिक मूल्य राष्ट्रीय मूल्य एवं उत्तरदायित्व के प्रति आस्था निर्माण कराना
- छात्रों को आधुनिक हिंदी काविता में चित्रित विविध विमर्शा से परिचित कराना
- छात्रों में साहित्य सृजन की क्षमता निर्माण कराना
- छात्रों के मन में हिंदी साहित्य के प्रति रूचि बढ़ाना
- छात्रों को साहित्य की विविध विधाओं से परिचित कराना
- छात्रों को हिंदी के संतों के विचारों से अवगत कराना

B.A. (History) :

B.A. (History) graduates are able to understand:

- The Characteristics of History
- Contribution of different sectors in Maratha History
- Polity, Society and Economy in the History
- Changing role of Agriculture in Maratha History
- The relevance and importance of the independence in our life
- The efforts of forefather in making constitution for newly born nation
- Student learned processes of Unification of World
- Political development happened in Post Independence World
- The evolution of worlds Foreign policies and Economy
- Modern Indian History
- The importance Freedom Movement
- British raj and its overall impact on the Indian History
- The early resistance to British Rule
- Social reform movement in India
- The sources to study of Ancient India
- The Achievements of man in the stone Age
- The Mauryan Empire
- Emergence of Feudal system in Indian Society
- The difficulties of Medieval in India

- The system of trade and Commerce during the period of Medieval
- Nature of Village Community
- Basic feature of Manasbdaari and Change in it during 17 th century
- Moderates, Extremists and Revolutionaries
- Socio religious scenario and the social reformation
- Freedom movement under the leadership of Mahatma Gandhi
- Evolutionary process of constitutional developments
- Concepts and aspects of Economic Development
- The theories of political growth and development
- Factors responsible for rise of Modern Maharashtra
- The political Scenario of Maharashtra on the Eve of British Empire
- Meaning , nature and scope of History
- The theories of Historicism as a professional skill
- Basic skills of Historical Research

B.A. (Economics):

B.A. (Economics) graduates are able to understand:

- The Fundamentals of Economics, various forms of market, concept of cashless society.
- BOT, BOP & type of exchange rates, concept of govt. financing.
- Indian Economy, nature of Indian economy, population & economic development.
- Understand infrastructure and economic development.
- Role of agriculture in Indian economy.
- Understand industrial sector in India, cooperative sector in economy, economic planning in India and recent structural changes in economy.
- Advanced Micro Economics, individual agents of market, consumer behavior, concept of cost, Linear & Non- Linear functional relationship.
- Advanced Micro Economics, price determination factors, various theories of factors, concept of profit and Interest, market equilibrium of firm in monopolistic market.
- Advanced Macro Economics: macro-economic analysis, national income, classical & Keynesian theories of output and employment, consumption & Investment function.
- Advanced Macro Economics: process of credit creation by commercial banks,

- Quantity theory of money, various macroeconomic problems, and various macroeconomic policies.
- Indian Economy since 1980: Indian financial system, money & banking, India's foreign trade, concept of globalization.
- Indian Economy since 1980: federal finance in India, Indian tax system, public expenditure in India, public debt and deficit finance.
- Public Finance and Policies: concept of public finance, public revenue, incidence & approaches of taxation, government intervention.
- Public Finance and Policies: concept of public expenditure, public debt, fiscal policy, concept of budget & deficit finance.
- International Trade and Practices: trade theories, gains from international trade & trade policy, concept of BOP & BPT, exchange rates.
- Economics of Indian Agriculture: international capital movements & MNCs, international institutions & regional economic cooperation, devaluation & convertibility of rupees, Euro currency market.
- Modern Monetary Economics: Nature, scope & importance of monetary policy, Nature classical & Keynesian theories of employment, Measures of money supply,
- Various theories of demand for money, Fiscal policy, Several of trade cycle and Supply side economics.
- Economics of Development: Conceptualizing development, Theories of economic development, Concept of poverty & development, Population & human development.
- The issues & techniques of economic growth, Neo- Classical & Cambridge models of growths and some growth models technological changes.
- International Economics: theories international trade, gains from international trade & their measurements, theory of intervention in trade, the theory of regional blocks.
- International Economics: Trade policies in India, international financial institutions, foreign direct investments, foreign exchange market, modern banking &
- Financial Markets in India, commercial banking system in India, cooperative and rural banking in India, Non banking financial institutions & financial services in India, working & operation.
- Modern banking & Financial Markets in India: Indian money market, Indian capital market, New development in Indian financial system periods, International aspects of the Indian financial system.

B.Sc. (Physics):

On completion of this course the graduates in Physics are able to:

- Have knowledge about using advanced mathematical methods and theories on various mathematical and physical problems.
- Use mathematical formulations, analyses and models to obtain insight in specialized areas of Physics.
- Be to apply skills of mathematical, statistical and physical modeling in applied fields and on technological problems.
- Be to carry out, present and document a comprehensive independent work, demonstrating command of the terminology of the subject area.
- Identify different special mathematical functions.
- Apply techniques of vector analysis, such as gradient of scalar, divergence of vector, curl of vector.
- Study special functions of mathematical physics.
- Understand Cartesian (X, Y, Z), Spherical polar (r, θ , ϕ) and Cylindrical (ρ , ϕ , z) co-ordinate systems and their transformation equations.
- Understand expression for gradient, divergence, curl and Laplacian in curvilinear, spherical polar and cylindrical co-ordinate systems.
- Solve partial differential equations with appropriate initial or boundary conditions with Green function techniques.
- Have confidence in solving mathematical problems arising in physics by a variety of mathematical techniques.
- Understand special relativity theory and to solve Lorentz transformation equations, Length contraction, time dilation.
- Understand classical Mechanics: applications on the basic laws of physics in the areas of classical mechanics, Newtonian gravitation, Types of forces: Forces of Gravitation, Lorentz force, Hooks Force, Frictional Force, and Fundamental Forces of Nature; Recognition of how observation, experiment and theory work together continue to expand the frontiers of knowledge of the physical universe.
- Apply basic mathematical tools commonly used in physics, including elementary probability theory, differential and integral calculus, vector calculus, ordinary differential equations, partial differential equations, and linear algebra, solving Lagrange's equation, Properties and simple application of Lagrange's equation (simple pendulum, harmonic oscillator,

compound pendulum, Atwoods machine), Hamilton's canonical equation of motion, and Physical significance,

- Advantages and Applications of Hamilton's equations of motion (simple pendulum , compound pendulum, Linear harmonic oscillator).
- Understand Central force, Reduction of two body problem into equivalent one body problem, Motion in inverse square law force field and to state Kepler's laws.
- Understand Atomic and Molecular Physics.
- State and explain the key properties of vector atom model and the importance of the Pauli Exclusion Principle, explaining the observed dependence of atomic spectral lines on externally applied electric and magnetic fields.
- State and justify the selection rules for various optical spectroscopies in terms of the symmetries of molecular vibrations.
- List different types of atomic and molecular spectra and related instrumentation.
- Describe theories explaining the structure of atoms and the origin of the observed spectra, Identify atomic effect such as space quantization and Zeeman effect, To understand the Origin and nature of x-ray, Characteristic x-ray spectra.
- State Moseley's law and its importance, regular and irregular doublets and their laws.
- Understand concepts of Solid State Physics, basic knowledge of accounting for inter atomic forces and bonds, of crystal systems and spatial symmetries for how crystalline materials are studied using diffraction, to perform structure determination of simple structures.
- Calculate thermal and electrical properties in the free-electron model and know Bloch's theorem and energy band and distinction between metals, semiconductors and insulators.
- Estimate the charge carrier mobility and density.
- Understand Lattice heat capacity and compare Classical theory, Einstein's theory, Debye's theory of specific heat of solids.
- Apply techniques of X-Ray Diffraction and UV Spectroscopy to study crystals.
- Understand classical Electrodynamics: various laws and forces and their interrelationships and applications, Understand concepts of magnetic field, circuits, be able to solve relevant theoretical problem and use their conceptual understanding of the electromagnetic laws in order to qualitatively describe the behaviour of the solution to the problem.
- Understand concepts of laws of geometric optics originate with Maxwell's equations at dielectric boundaries, calculate reflection and transmission coefficients for waves at dielectric boundaries.
- Understand concepts of Quantum Mechanics; to solve quantum mechanics problems.

- Understand concepts of Nuclear Physics : nuclear compositions and Elementary particles, charge symmetry and independence, spin dependence of nuclear force, Law of radioactive decay and its application. Distinguishing between types of nuclear models, nuclear reactions and conservation laws, nuclear fission on the basis of liquid drop model and nuclear fusion, basic principles and classification of Nuclear Reactor, types of detectors and classification of accelerators.
- Understand concepts of Statistical Mechanics & Thermodynamics
- Understand concepts of Elements of Material Science, Historical perspectives of materials science, classifications of advanced materials, Smart materials, Nanostructured Materials, Mechanical Properties, Thermal Properties, Electrical Properties, and Magnetic Properties of materials, the basic concept of Dislocations and Plastic Deformation, Atomic Diffusions and its Mechanism, laws, applications.
- Able to apply principles of Physics in everyday life.
- Communicate the results of their work to other relevant entities.
- Understand the scientific, global, local and environmental dimensions of problems and issues.
- Find employment in industry, government, school systems, instructors, research institutes, and as consultants.

B.Sc. (Chemistry):

The graduates in Chemistry are able to:

- Use Chemistry in human life.
- Understand spontaneous and non-spontaneous processes.
- Chemical reactions, their types, their applications in everyday life.
- Know benefits and applications of chemical reactions.
- Understand the importance of salt bridge in electrochemical cell, the concept electrochemical cell and determination of potential of cell, the laws of photochemistry.
- Understand the concept quantum yield and fluoresce and phosphorescence.
- Understand the various devices to measure the radiation from radioactive sample.
- Know concepts of Inorganic chemistry, the co-ordination compound, and identification of given ligand, chelates,
- Understand the different physical method for the study of complexes and assumptions, drawbacks and isomerism in Werner's theory, Understand Effective atomic number (EAN) and how to calculate EAN for any given complexes.
- Understand the modern theories of metal-ligand bond related to valence bond theory.

- Understand concepts and Applications of CFT related to different geometry.
- Understand the modern theories of metal-ligand bond related to Molecular orbital theory, and difference between V.B.T., C.F.T. and M.O.T.
- Understand concepts of Organic chemistry, Polarity picture of carbonyl group and nucleophilic addition reaction to it, concept of aromaticity electrophilic and nucleophilic aromatic substitution reaction, Molecular rearrangement involving migration to C, N and Oxygen, Drawing the resonating structures, Understand Nucleophilic substitution reactions, Understanding electrophilic addition reactions.
- Understand concepts of Analytical Chemistry, procedure of extraction of metal ions using Solvent Extraction process, the application of Ion Exchange Chromatography method for the separation of cations and anions using different types of resins, applications of Size Exclusion Chromatography for the separation of analytes based on their size and shapes, working of Gas Chromatographic unit and apply the knowledge to separate volatile compounds in sample, Understand Principle, choice of column materials for HPLC and its application, Principles of Electrophoresis and choice of techniques of electrophoresis for various applications.
- Industrial chemistry: general concepts like manufacturing of sugarcane, various types of fertilizers and manufacturing of Beer and spirit.
- Understand the aspects of small scale industry.
- Understand concepts of Environmental chemistry; awareness about environmental chemistry, the concept about atmosphere and different layer and composition, awareness about air pollution and organic inorganic pollutants, water pollution and domestic sewage waste water, industrial pollution, agriculture pesticide water pollution, different methods of water treatment, water effluents and sewage water, the greenhouse gases and global warming.
- Communicate the results of their work to chemists and non-chemists.
- Understand ethical, historic, philosophical and environmental dimensions of problems and issues facing chemists.
- Establish Firm in the fundamentals and applications of current chemical and scientific theories.
- Design, carry out, record and analyze the results of chemical experiments.
- Use modern instrumentation and classical techniques, to design experiments, and to properly record the results of their experiment.
- Have skills in problems solving, critical thinking and analytical reasoning.

- Identify and solve chemical problems and explore new areas of research.
- Use modern library searching and retrieval methods to obtain information about a topic, chemical, chemical technique, or an issue relating to chemistry.
- Know proper procedures and regulations for safe handling and use of chemicals and can follow the proper procedures and regulations for safe handling when using chemicals.
- Find employment in industry, government, in school systems, instructors or administrators research institutes and as consultants.

B.Sc. (Botany):

On completion of this course a Graduate student should be able to:

- Understand the concepts of biodiversity.
- Able to classify flora, upto species level.
- Study various botanical techniques.
- Understand the importance and scope of botanical science in the industries.
- Understand the role of microbial plants in fermentations process.
- Know the process of cultivation of cash crops.
- Understand some plants which are used as herbal cosmetics.
- Understand technique of plant tissue culture and its application.
- Realize the role plants in forensic science.
- Understand the scope and importance of Botanical techniques.
- Know about instruments and their utility in subject Botany.
- Gain knowledge about measurement of microorganisms by studying micrometry.
- Understand the different stains and staining.
- Perform the killing, fixing and Microtomy of plant material.
- Understand & perform Chromatography and cultural techniques in Botany.
- Understand the methods used in whole mount preparation, wood maceration and cytology.
- Able to differentiate between diverse flora.
- Communicate the results of their work to other relevant entities.
- Understanding the botanical, scientific, global, local and environmental dimensions of problems and issues.
- Find employment in industry, government, school systems, instructors, botanists, landscapers, consultants.

B.Sc. (Microbiology):

On successful completion of the B.Sc. (Microbiology) Programme -

- The students will have full knowledge with respect to the subject and its practicable applicability.
- They will have the understanding of basic and advanced concepts in microbiology.
- They will be exposed to various emerging areas of Microbiology.
- They will prepare for further studies, helping in their bright career in the subject.
- They will have exposure to different processes used in industries and in research field.
- They will have the ability to apply the knowledge of microbiology in day to day life.
- They will be able to accept the challenges in life sciences.
- They will have acquired skills required in various industries, research labs and in the field of human health.
- Students will acquire and demonstrate competency in laboratory safety and in routine and specialized microbiological laboratory skills applicable to microbiological research or clinical methods, including accurately reporting observations and analysis.

B.Com. (Accountancy):

On completion of the degree course in commerce, a graduate will be able to:

- Use debit and credit accounting to record and adjust basic business transactions.
- Prepare multi-step income statements, classified balance sheets, and statements of retained earnings.
- Use basic financial statement ratio analysis to evaluate financial performance.
- Demonstrate knowledge of each step in the accounting cycle.
- Know and apply organizational internal control components.
- Use Generally Accepted Accounting Principles (GAAP) to record common business transactions involving merchandise inventory, cash, and accounts receivable transactions.
- Analyze business transactions using accrual basis accounting according to Generally Accepted Accounting Principles (GAAP).

- Prepare journal entries and post to ledger accounts using double-entry accounting procedures manually.
- Perform the steps accounting cycle to include the preparation of: adjustments, financial statements, closing entries and trial balances.
- Prepare a bank reconciliation and related journal entries.
- Identify the principles of internal control.
- Use accounting assumptions, principles and constraints to explain accounting practices.
- Record transactions using both the perpetual and periodic inventory systems.
- Calculate inventory using accepted inventory cost flow assumptions.
- Account for receivables their recognition, disposal and valuation.
- Apply for jobs in industries, banks and all corporate managements.
- Demonstrate knowledge and understanding of US financial services law and regulation and of certain widely adopted international financial law standards.
- Understand the approach of US practitioners to complex financial services issues, including structuring, negotiating, and documenting certain types of financial transactions.
- Develop the skills to communicate more effectively in English about banking and financial law topics.
- Prepare and demonstrate US-style employment application materials and to communicate effectively, orally, and in writing, with potential US and international employers.
- Show interest in qualifying to take a US bar exam and eligibility and application requirements.
- Develop Firm base in the fundamentals and applications of current banking knowledge.
- Understand the industrial, humane, scientific, global, local and environmental dimensions of problems and issues.
- Find employment in research and survey institutes, industry, government, schools, instructors, and other consultants.

PROGRAM SPECIFIC OUTCOMES (PG)

M.Sc. Botany

On completion of the degree course in commerce, a graduate will be able to -

- Identify , describe and classify fungi, algae ,bryophytes , pteridophytes and gymnosperms
- Understand the role of algae, its origin and phylogeny of bryophytes , Utilization of gymnosperms
- Geological timescale Identification of fossils
- Study different ecosystems, community ecology , population dynamics, ecological succession , evolution
- Know the laboratory discipline , microscopy, spectroscopy, electrophoresis , understand biostatistics
Know radioisotopic techniques.
- Collection and preservation of different micro-organisms
- Understand ICN and taxonomic tools
- Study evolutionary concepts and reproductive isolations for speciation
- Numerical taxonomy and APG classification with detail study of families.
- Understand history of plant pathology , symptomology and disease development
- Study plant viruses based on classification and diseases , identify and manage different fungal diseases.
- Study micro and mega- sporogenesis , Study of apomixis
- Morphogenesis of plants , study different aspects in palynology.
- Study of cell organelles and their functions , understand cell division i.e. cell cycle and its regulation
- Cell signaling and communication , cell motility and DNA replication mechanisms ,Understand cytological concepts on cell
- Mapping in pro and eu- karyotes
- Understand crop genetic resources , population and evolutionary genetics
- Know about methods of breeding in crops, concept, scope and importance of biotechnology
- Understand Tools and techniques for PTC
- Production of antibiotics and other biomolecules , enzymes, vitamins, giberllins
- rDNA technology and genomics and proteomics
- Know about IPR.

एम.ए. मराठी

- भाषिक आविष्काराचे स्वरूप समजून घेतले .
- भाषेची सर्जनशील प्रक्रिया समजून घेतली .
- भाषा आणि साहित्य यांचा संबंध समजून घेतला .
- भाषा आणि साहित्यप्रकार यातील अनुबंध समजून घेतला .
- साहित्यप्रकारांची संकल्पना समजून घेतली .
- विविध वाङ्मयप्रकारातील कथनांचे स्वरूप अभ्यासले .
- वेगवेगळ्या वाङ्मय प्रकारातील कथनविशेष अभ्यासले .
- वाङ्मयप्रकारातील कथनाचा तुलनात्मक विचार केला .
- लेखक अभ्यासपध्दतीचा उपयोग कसा करावा हे समजून घेतले .
- लेखकाचे वाङ्मयीन व्यक्तिमत्व आणि लेखक व त्याचा समकाल समजून घेतला .
- साहित्यकृतीतून लेखकाच्या समकालाचे प्रतिबिंब कशा प्रकारे प्रकट होते याचा अभ्यास केला .
- लेखकाच्या इतर साहित्यकृती विचारात घेऊन लेखकाच्या वाङ्मयीन जडणघडणीचा विचार केला .
- एकूण वाङ्मयीन परंपरेत लेखकाचे योगदान समजून घेतले .
- लेखक अभ्यासपध्दतीचा उपयोग कसा करावा हे समजून घेतले .
- एकूण वाङ्मयीन परंपरेत लेखकाचे योगदान समजून घेतले .
- स्वातंत्र्यपूर्व काळातील महाराष्ट्रातील सामाजिक-राजकीय-सांस्कृतिक जीवनाची पार्श्वभूमी समजून घेणे तसेच त्याचा साहित्यावरील आंतरसंबंध अभ्यासला .या काळातील विविध साहित्यप्रवाहांचा इतिहास अभ्यासताना त्या त्या प्रवाहातील वाङ्मयप्रकारांचे स्वरूप वैशिष्ट्ये अभ्यासली .
- मुख्य प्रवाहातील साहित्याबरोबरच इतर समांतर साहित्य प्रवाहांची वैशिष्ट्ये समजावून घेतली .
- १९५०-२००० स्वातंत्र्यपूर्व काळातील महाराष्ट्रातील सामाजिक-राजकीय-सांस्कृतिक जीवनाची पार्श्वभूमी समजून घेतली . तसेच त्याचा साहित्यावरील आंतरसंबंध अभ्यासला .या काळातील विविध साहित्यप्रवाहांचा इतिहास अभ्यासताना त्या त्या प्रवाहातील वाङ्मयप्रकारांचे स्वरूप वैशिष्ट्ये अभ्यासली .
- लोकसाहित्य आणि लोकसंस्कृती यातील परस्परसंबंध समजावून घेतला .लोकसाहित्याची संकल्पना समजावून घेतली .
- लोकसाहित्याच्या परंपरेची ओळख करून घेतली .लोकसाहित्याचा उगम आणि व्याप्तीबद्दल माहिती घेतली .
- मराठी लोककथा-लीककला-लीकनाट्य यांचा मराठी भाषेच्या संदर्भात परिचय करून घेतला .
- मराठी साहित्यकृतीमधील लोककलांचा अविष्कार आणि प्रयोगरूप यांचा अभ्यास केला .

- समाजभाषाविज्ञानाचे स्वरूप अभ्यासले .
- समाजभाषाविज्ञानातील विविध सिध्दांतसंकल्पनाचा परिचय करून घेतला .
- समाजसंस्कृती आणि भाषा यामधील परस्पर संबंध समजून घेतला .
- समाजभाषा विज्ञानाची व्याप्ती समजून घेतली .भाषाव्यवहाराची विविधता समजून घेतली .भाषासंपर्काचे स्वरूप अभ्यासले .भाषिक नियोजन म्हणजे काय ते समजून घेतले .
- बहुभाषिक देशातील भाषिक प्रश्नांचा परिचय करून घेतला .
- भाषाशिक्षणाचे स्वरूप आणि भाषाशिक्षणाच्या विविध बाजूंचा अभ्यास केला .
- वाङ्मयीन संस्कृती ही संकल्पना समजून घेतली .
- समाज आणि संस्कृती यातील अनुबंध लक्षात घेतले .
- मौखिक आणि लिखित परंपरेत वाङ्मयीन परंपरेला संघटित करणाऱ्या घटकांचा विचार केला .
- वाङ्मयीन संस्कृतीचे स्वरूप तपासले .
- उपयोजित समीक्षेतील काही समीक्षेचे स्वरूप माहिती करून घेतले .
- समाजशास्त्रीय व आदिबंधात्मक समीक्षा या समीक्षाप्रवाहांचा विचार केला .
- प्रत्यक्ष उपयोजित समीक्षेचे उपयोजन म्हणून निवडक साहित्यकृतींचा विचार केला .
- संस्कृती अभ्यास या ज्ञानशाखेची ओळख करून घेतली .
- बदलत्या सामाजिक आणि राजकीय संदर्भात साहित्य संस्कृती यांच्या संबंधाचा अभ्यास केला .
- आंतरविद्याशाखीय अभ्यास पध्दतीची ओळख करून घेणे .
- साहित्य आणि इतर अभिव्यक्तिरूपांच्या परस्पर संबंधाचा संस्कृती अभ्यासावरील प्रभाव अभ्यासणे .
- भाषाबोली आणि समाजाचा परस्परसंबंध अभ्यासणे .
- प्रमाणभाषा आणि बोली स्वरूपविशेष समजून घेतले .
- बोलीभाषांची निर्मितीप्रक्रिया अभ्यासली .बोलीच्या अभ्यासाचे महत्व समजून घेतले .
- समाजभाषाविज्ञानाचे स्वरूप समजून घेतले . समाजभाषाविज्ञानातील विविध सिध्दांतसंकल्पनांचा परिचय करून घेतले . समाजभाषाविज्ञानाची व्याप्ती समजून घेतली .
- समाजसंस्कृती आणि भाषा यातील परस्पर संबंध समजून घेतले .भाषाव्यवहाराची विविधता समजून घेतली .
- भाषासंपर्काचे स्वरूप अभ्यासणे .
- भाषिक नियोजन म्हणजे काय ते समजून घेतले .बहुभाषिक देशातील भाषिक प्रश्नांचा परिचय करून घेतली .

- भाषिक नियोजनाची उद्दिष्ट्ये जाणून घेतली . भाषाशिक्षणाचे स्वरूप आणि भाषाशिक्षणाच्या विविध बाजूंचा अभ्यास केला .
- मराठीच्या विविध बोलींचा समाजभाषा वैज्ञानिक विचार केला .
- वाङ्मयीन अभिरूचीचा वाङ्मयीन संस्कृतीवर कसा प्रभाव पडतो हे तपासले .
- कोणत्याही काळात समाज प्रभोधनासाठी वाङ्मयीन संस्कृती कशाप्रकारे कारणीभूत ठरते याचा विचार केला .
- वाङ्मयीन संस्कृतीचे स्वरूप तपासले . वाङ्मयीन संस्कृती बदलांमध्ये परिणाम करणाऱ्या वेगवेगळ्या घटकांचा विचार केला .
- मराठी समीक्षाविचाराचे स्वरूप व परंपरा जाणून घेतल्या . मराठीतील सैध्दांतिक व उपयोजित समीक्षेचे स्वरूप माहिती करून दिला .
- मराठी समीक्षा वाटचालीतील प्रमुख विचारांचा परिचय करून घेतला .
- बोलीची संरचना अभ्यासली . बोलीची समाजभाषा वैज्ञानिक दृष्टीकोनातून विचार केला . बोली भूगोला ही संकल्पना समजून घेतली .
- कोल्हापूरी बोलीचे क्षेत्रिय संशोधन केले .

COURSE SPECIFIC OUTCOMES (UG)

Sr. No	Program	Subject	Course	Specific Outcomes
1	BA	Marathi	काव्यशास्त्र	पौरात्य काव्यसास्त्राची ओळख होईल . काव्याची लक्षणे प्रयोजने आणि भाषेचे 'अलंकार' समजतील . तसेच शब्दाचे स्वरूप प्रकार व रसप्रक्रिया समजेल .
			भाषाविज्ञान आणि मराठी भाषा	आधुनिक भाषा विज्ञानाचा परिचय होईल . भाषाविज्ञान आणि मराठी भाषा यांचा सहसंबंध समजेल . तसेच भाषेची उत्पत्ती स्वरूप कार्य समजतील .
			मराठी वाङ्मयाचा इतिहास	मध्ययुगीन मराठी वाङ्मय परंपरा इतिहासच यांचा परिचय होईल . वाङ्मयाच्या सांस्कृतिक पार्श्वभूमीचा उलगडा होईल आणि प्रमुख संप्रदाय व ग्रंथनिर्मिती यांचा अनुबंध समजेल .
			मराठी भाषा : उपयोजन आणि सर्जन	विद्यार्थ्यांना भाषिक व्यवहार समजेल . विविध क्षेत्रातील भाषिक कौशल्ये आणि क्षमता विकसित करायचे याचे ज्ञान होईल . तसेच त्यांच्यात लेखन भाषण या कौशल्यांचा विकास होईल .
2	BA	Hindi	विद्या विशेष का अध्ययन	उपन्यास और आत्मकथा के तात्विक स्वरूप का परिचय देना उपन्यासकार एवं आत्मकथाकार के व्यक्तित्व एवं कृतित्व से परिचित करना रचना विशेषका महत्व समझने एवं मुल्यांकन करने की क्षमता बढ़ाना रचना के आस्वादन एवं समिक्षन की क्षमता विकसित कराना पाठ्यक्रम मे निर्धारित उपन्यास एवं आत्मकथन की प्रासंगिकता से अवगत कराना
			साहित्यशास्त्र	साहित्य की मर्म ग्रहिणी क्षमता का विकास करना काव्य के विभिन्न अंगो का सामान्य परिचय कराना साहित्य समीक्षा की दृष्टी विकसित कराना पूरतीय तथा पाश्चात्य समिक्षा सिद्धांत तथा हिंदी आलोचना की विविध प्रणालियों का ज्ञान प्राप्त कराना
			हिंदी साहित्य का इतिहास	हिंदी साहित्य का इतिहास के विविध ग्रंथो से परिचित कराना हिंदी साहित्य के काल विभाजन के द्वारा छात्रों को विविध साहित्य कृती का काल निश्चित पध्दती का परिचय कराना आदिकाल का साहित्य अध्ययन के लिए प्रेरित कराना व्यक्तिकालीन भावधारा से अभिभूत कराना व्यक्तिकालीन संतो का समाजपर प्रभाव किस तरह फैला है इससे अवगत कराना व्यक्तिकालीन साहित्य का मानवजीवन पर पडनेवाला प्रभाव स्पष्ट कराना
			प्रयोजनमूलक हिंदी	छात्रों को पारिभाषिक शब्दावली से परिचित कराना विविध कोश का प्रयोग करने का कौशल्य अंतर्भूत करना छात्रों को जनसंचार माध्यमों का सामान्य परिचय करा देना दैनिक व्यवहार में हिंदी का अनुप्रयोग करने की क्षमता विकसित कराना छात्रों में अनुवाद करने का कौशल्य अंतर्भूत कराना हिंदी भाषा के विविध प्रयोजनों को स्पष्ट कराना
			भाषा विज्ञान एवं हिंदी भाषा	भाषा के विविध रूपों का परिचय कराना भाषाविज्ञान का सामान्य परिचय कराना हिंदी भाषा एवं लिपी के उद्भव और विकास का परिचय कराना भाषा की शुद्धता के प्रति छात्रों को जागृत कराना मानक हिंदी वर्तनी और व्याकरण से छात्रों को परिचित कराना

3	BA	English	English for Communication	After completion of this course students will be able to develop their Oral and Written Communication skills, Use English language for their personal and academic life, Increase their employability Skills and Cultivate a broad, human and cultured outlook.
			Literary Criticism & Critical Appreciation	After completion of this course student will be able to Students understood the major trends in literary criticism and critical concepts, They learned various literary movements. Students can write critical appreciation of poetry.
			Understanding Poetry	After completion of this course students will able to Learn to read poems carefully, understood poetry from various cultures and traditions and students hear and read poems aloud and to memorize lines
			Understanding Drama	After completion of this course students will able to Learn Different types and aspects of Drama.
			Understanding Novel	After completion of this course students will able to Learn various types of Novel and major trends, understood different aspects of Novel and develop interest for Reading Novel
			The structure & Function of Modern English	After completion of this course students will able to Understand Speech mechanism, form and function of words and Learns basic sounds in English
4	BA	History	History of ancient India	After completion of this course the student will be able to know the various sources to study of Ancient India, Achievements of man in the stone Age , knowledge of Mauryan Empire, emergence of Feudal system in Indian Society
			Political History of Medieval India & Socio Economic and Cultural History of Medieval India	After completion of this course the student will be able to know the__the difficulties of Medieval in India , system of trade and Commerce during the period of Medieval, nature of Village Community, basic feature of Manasbdaari and Change in it during 17 th century
			India Since Independence	After completion of this course the student will be able to know the__Moderates, Extremists and Revolutionaries, socio religious scenario and the social reformation, freedom movement under the leadership of Mahatma Gandhi, evolutionary process of constitutional developments.
			History of the Maratha And Modern Maharashtra	After completion of this course the student will be able to know the_concept and aspects of economical development, theories of political growth and development, factors responsible for rise of Modern Maharashtra, political Scenario of Maharashtra on the Eve of British Empire.
			Introduction to Historiography and Application of History	After completion of this course the student will understand meaning and scope of history, apply the theories of Historicism as a professional skill, learned basic skills of Historical Research, learned the tools of theoretical applications in their research.

5	BA	Economics	Micro-economics	The student will be able to learn how markets organize core economic activities such as production distribution, consumption and the growth of productive resources. They will also understand how to apply economic theories and methodologies in analyzing economic issues in various sub-field of applied micro-economics.
			Research and Methodology	After completion of this course student will be able to learn to study the meaning & nature of research in Economics and will also study the various steps of research in economics
			History of economic thought	After completion of this course student will be able to understand the development of various ideas, and also inspire to study of economic ideas
			Economics of Development	After completion of this course student will understand the concept of economic development and be able to prepare proposal on economic planning
			International economics	After completion of this course student will understand detailed policies of balance of trade & payments and able to Know the international trade & economic reforms
6	BA	Sociology	Social Issues in India	After completion of this course the students will be able to study, nature and need of social issues like communalism, old age problems, female feticide, poverty, unemployment, human rights and cyber crime.
			Social Movements in India	After completion of this course the students will be able to study the importance of social movements of peasant, dalits, tribal and their problems
			Gender And violence	After completion of this course the students will be able to study the nature of gender violence and some majour gender issues like domestic violence, violence against womens harassment at workplace their causes and remedies.
			Sociology of health	The students will be understand the nature, subject matter and importance of sociology of health. The knowledge of some major disease like diabetes, heart diseases, their causes and remedies. Importance and benefits of health policies.
			History of social reforms in India	The students will be able to know the contribution of Shahu Maharaj, Mahatma Phule, Dr. Babasaheb Ambedkar,
			Social Reforms in Maharashtra	The students will understand the social conditions in early nineteenth century and contribution of social and educational reformers like Savitribai Phule, Tarabai Shinde, Pandita Ramabai, maharshi Vittalramaji Shinde, Sant Gadage Maharaj, Annabhau Sathe, Karmaveer Bhaurao Patil, Dr. Bapuji Salunkhe and Panjabrao Deshmukh.
7	BA	Geography	Soil Geography	The Students will be able to understand importance, types of soil and soil formation, food production, Chemical and Physical properties of Soil, Soil Conservation and management.
			Human Geography	The Students will able to know concepts of Human Geography, relationship between Man and

				Environment and races of Mankind.
			Oceanography	The Students will able to know the importance of Ocean, human impacts of Ocean, types of ocean current, marine deposits and ocean pollution.
			Agricultural Geography	The students will be able to understand the importance of Agriculture system, fundamental concepts and theories in Agriculture, physical and socioeconomic determinants.
8	B Com	Commerce	Advanced Accountancy	Strengthen the students' ability to maintain to expose advanced accounting issues, practices.
			Auditing	Develop working knowledge of generally accepted auditing procedure, techniques & skills.
			Taxation	After completion of this course the students will able to obtain knowledge of various provisions of Income - Tax Act & their applications in computations of income of individuals & firms under various heads of Income.
			Advanced Accountancy	Develop working knowledge to expose Cost Accounting & Management Accounting.
			Modern Management Practices	Enhance the managerial skills among the students and familiar with the modern management practices being used by the corporate world, and applicability of various modern management practices.
			Business Regulatory Framework	After completion of this course the students will able to create legal awareness among the students, laws governing business and commercial transactions.
9	B Sc	Physics	Mathematical and Statistical Physics	In physics there are so many hypothetical imaginary concepts, numerical surveys, graphical presentations etc. To understand all those theories, student should know the coordinate systems, differential equations, statistical concepts. So that they should make the use of differential equation in solving problems in Physics, inter conversion of coordinate systems and applications of statistical mechanics in the classical and Quantum mechanics.
			Quantum Mechanics	A Student will understand the concept of Schrodinger's wave equation and its applications and also understand the Eigen value Eigen function and probability current density.
			Classical Mechanics	A student will understand the concept of Mechanics , mechanics of particles and also understand the moving co-ordinate systems, as well as coupled oscillations. Student will know the concept of Langrangian formulation and Techniques of calculus of variation.
			Atomic and Molecular Spectra, Astronomy and Astrophysics	A student will understand different atomic models as well as origin of the spectral lines, effect of magnetic and electric fields on the atomic spectra and selection rules of transitions. Student study rotational and vibrational molecular spectra and analyze Raman spectra of the molecule. Acquire knowledge of the Sun, Sun surface and different cosmological theories about origin of the universe.
			Nuclear and Particle Physics	Now a day's one should think about the non conventional energy sources. Nuclear energy is one of

				<p>them. In that view student should understand nuclear accelerators, nuclear detectors, Nuclear properties, Nuclear energy levels, nuclear reactions and nuclear energy sources.</p>
			Energy Studies And Materials Science	<p>A student will understand the theory about different energies, energy resources .they also explain the defect in solids and give the idea of superconductivity and its types as well as Nanoscience and Nano technology.</p>
			Electrodynamics and Electromagnetic Waves	<p>Students will explain motion and trace trajectory of the moving charged particle in an electric and magnetic fields, demonstrate faraday's and Lenz's law, formulate integral and differential forms of Gauss's law, Faraday's law and Ampere's law, understand Electromagnetic wave and its transverse nature and propagation in dielectric and conducting media and reflections at the boundary of dielectric medium.</p>
			Solid State Physics	<p>A student will understand the solids space lattice (2D-3D) symmetry elements, Miller indices, interplaner spacing and also understand crystal structures. Student explains the internal structure of crystal by X-ray diffraction .They will also known the free electron theory of metals and band theory of solids and also explain the solid state devices with its applications.</p>
			Practicals	<p>Students will demonstrate the experiments and by measuring different parameters, determine surface tension of liquid, Young's modulus of the materials thermal conductivity of bad conductor.</p> <p>Student acquires skills of obtaining fringes due to interference and diffraction and determine wavelength of the light, diameter of the lycopodium powder. Student will trace cardinal points of optical system using turn table and Newton's methods.</p> <p>Students will able to make electrical connection so as to pass very small current through ballistic galvanometer and measure self inductance, mutual induction, high resistance and absolute capacity of the condenser. Be able to measure B_H, B_V of earth's magnetic field, and measure e/m of electron.</p> <p>Students will identify different terminals of bipolar transistors, pin configuration of ICs, and demonstrate working of the sine wave oscillators, multivibrators</p> <p>Students will acquire experimental skills for diffraction of laser, obtaining interference pattern, and applications of C.R.O. for component testing, tracing hysteresis curve and Lissajeous figures, measuring period and phase shift. Students would become computer friendly.</p>
10	B Sc	Chemistry	Physical Chemistry	<p>After completion of this course, the students will know the concept of Quantum Theory, Principle and applications of Spectroscopy , Photochemistry with reference to Photosensitized reactions , Solutions and their properties as well as the origin of Electromotive</p>

				force. Knowledge of Phase equilibria, thermodynamics of the chemical reaction, The solid state chemistry with respect to the crystallography, Knowledge of radioactivity for detection and measurement of nuclear radiation, Chemical kinetics of the reaction, Surface Chemistry of adsorption & its Mechanism, Applications of Nanomaterials
			Inorganic Chemistry	The students will know about the Hard and Soft Acids, Bases, Pearson's HSAB concept. Acid:Base strength, hardness and softness. Application and limitations of HSAB principle, Knowledge of Metal ligand bonding in transition metal complexes. Isomerism in complexes with C.N.-4 and 6, Understanding of Comparison between Organic and Inorganic polymers. Polymer back bone. Homo and Heteroatomic polymer, knowledge of Properties, types and applications of Metals, Semiconductors, Superconductors, insulators. Preparation and structures of mixed oxide $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$, Synthesis and structural study of alkyl and aryl compounds of Li, Be and Al. Mononuclear carbonyl and nature of bonding in simple metal carbonyls in Organometallic Chemistry.
			Organic Chemistry	After completion of this course the students will energy associated with electromagnetic radiation and its use in analytical technique., knowledge of chromophore, auxochrome and calculation of λ_{max} UV Spectroscopy, Knowledge of vibrational transition, regions of IR spectrum, functional group recognition in IR Spectroscopy, Understanding of magnetic-non magnetic nuclei, shielding-deshielding, chemical shift, splitting pattern in NMR spectroscopy, Knowledge of molecular ion, fragmentation pattern and different types of ions produced, Student will predict the structure of organic compound with the help of provided spectral data . Knowledge of reagents used in organic transformations. Name reactions used in organic synthesis. Student will learn A] Addition reaction across $>\text{C}=\text{C}<$ bond w.r.t. hydrohalogenation, hydration hydroxylation, ozonolysis etc. B] Addition of halogen, halogen acid, hydrogen, water, etc. across $-\text{C}\equiv\text{C}-$ bond. Knowledge of terpenoids and alkaloids w.r.t. occurrence, isolation, characteristics and classification. Analytical, synthetic evidences of Citral and Nicotin Understanding classification of drugs, Qualities of ideal drug. Synthesis and uses some representative drugs and drug action of sulphadruugs
			Industrial Chemistry	After completion of this course the students will know about manufacture & properties of heavy chemicals. Understanding of electrochemical theory & factors affecting corrosion and applications of passivity. Manufacture, refining of sugar and by products of sugar industry. Manufacture of soaps & detergents

			Analytical Chemistry	After completion of this course the students will know about the theory of Titrimetric Analysis , Potentiometric Titrations, knowledge about theory of Colorimetry and Spectrophotometry . Knowledge of principles, Instrumentation, Effect of solvent, Application, Interference of flame photometry Factors that influence the intensity of emitted radiation in a flame photometer Limitations of flame photometry. The student will be able to know the chromatography on the basis of mechanism of interaction of solute with Stationary phase. Classification of chromatography on the basis of mobile phase and stationary phase. Gas Chromatography, Liquid Chromatography Supercritical-fluid Chromatography, Applications of Paper, Thin layer, Adsorption column & Gas chromatography.
			Practical Course	Students will demonstrate the Instrumental as well as non instrumental experiments of physical chemistry. They will obtain the skills of gravimetric as well as volumetric analysis and preparation of some inorganic compounds. The students will be able to understand the qualitative as well as quantitative analysis, separation and identification of binary organic mixture, estimation of organic compound and preparation of derivative and interpretation of spectral data for structure determination of organic compound. After completion of this course student will have the opportunity to work as a chemist in quality control department as well as production supervisor in production department of Chemical industries.
11	B Sc	Botany	Biology of Non Vascular Plants and Paleobotany	On completion of the course, students will be able to understand the diversity among algae , systematic, morphology structure, life cycle and significance of Algae fungi and bryophytes. Knowledge of the scope of Paleobotany, types of fossils, its role in global economy and geological time scale, the various fossil genera representing different fossil groups.
			Genetics And Analytical Techniques in Plant Science.	To understand the biochemical nature of nucleic acids, their role in living systems, experimental evidences to prove DNA as a genetic material process of synthesis of proteins and role of genetic code and will Know the details of Microscopy(TEM and SEM), Chromatography ,methods used in Micrometry, Microtomy and Microphotography
			Fundamentals of Plant Physiology and Ecology	On completion of the course, students are able to learn and understand about mineral nutrition in plants, growth and developmental processes in plants and will Know about Photosynthesis and Respiration in plants, process of translocation of solutes in plants and nitrogen metabolism and its importance.

			Plant Biochemistry	Students will understand the properties of Carbohydrates. (Monosaccharides, Oligosaccharides and Polysaccharides), lipid metabolism (saturated fatty acids, and unsaturated fatty acids, Beta Oxidation, Gluconeogenesis) and will be able to understand Brief outline of biosynthesis of amino acid, understand the protein structure and classification and protein biosynthesis in prokaryotes and eukaryotes.
			Biology of Vascular Plants	On completion of the course, students are able to understand the diversity of Gymnosperms in India, phylogeny ,evolutionary trends , affinities of living gymnosperms, and will understand taxonomy" and systematic; the general range of variations in the group of angiosperms, trace the history of development of systems of classification emphasizing angiosperm taxa ,to learn the wide activities in angiosperm and trends in classification and to know the floral variations in angiospermic families, their phylogeny and evolution, nomenclature, plant identification, major evolutionary trends, methods of pollination and fertilization, endosperm and embryogeny and in anatomy will know various tissue systems and normal and anomalous secondary growth in plants, perform the techniques in anatomy.
			Microbiology and Plant Pathology	On completion of the course, students are able to understand the concept, principle and types of sterilization methods and will know the concept and characteristics of antiseptic, disinfectant and their mode of action, cultivation methods of bacteria, yeast, fungi and virus; principle, working and applications of instruments viz, pH meters, spectrophotometer, centrifuge, viscometer, and laminar air flow. Microbial Genetics and plant pathology.
			Plant breeding, Biostatistics, Ethnobotany and Horticulture	On completion of the course, students are able to understand the science of plant breeding, the techniques of production of new superior crop varieties, the modern strategies applied in Genetics and Plant Breeding to sequence and analyze genomes ,exploitation of Heterosis, hybrid and variety development and their release through artificial hybridization and will understand the role plants in human welfare, economic use, importance of plants & plant products and will also understand the chemical contents of the plant products and utility.
			Molecular Biology and Biotechnology	On completion of the course, students are able to understand about the genomic organization of living organisms, study of genes, genome, chromosome; mechanism and essential component required for prokaryotic DNA replication, recombine nt DNA technology, genetic engineering, plant tissue culture and concept of operon and its structure and regulation.

12	B Sc	Microbiology	Virology	After completion of this course, the students will have the knowledge about various kinds of viruses, their multiplication, methods for their isolation, cultivation and enumeration . They will also have the understanding of relation between virus and human cancer.
			Immunology and Serology	After going through this course, students will know the human immune system and its functioning , serological diagnostic techniques and allergic reactions.
			Food and Industrial Microbiology	This course enables the student to get sufficient knowledge in relationship between food and microbes, food poisoning , food infection , Probiotics as well as it provides the knowledge of industrial production of various products by microorganisms , its recovery and quality control in fermentation industries.
			Agricultural Microbiology	This course inculcates knowledge of the role of micro organisms in soil and other eco system. It also provides the knowledge of manure , compost, biofertilizers and biopesticides , biopesticides degradation and plant pathology.
			Microbial Genetics	On Successful Completion of this subject the students would have a sound knowledge about the genetics of microbes , Recombinant DNA technology and its applications, molecular aspects of genetics and techniques in molecular biology.
			Microbial Biochemistry	This course makes the student to understood the enzymes with respect to their properties, isolation and purification, kinetics and regulation. It also provides knowledge of metabolism in microorganisms , assimilation and biosynthesis.
			Environmental Microbiology	By this course, students will be acquainted with sewage microbiology, waste treatment processes, eutrophication, Environmental monitoring , EIA, Bioremediation and Bioleaching.
			Clinical Microbiology	This course inculcates the knowledge of diseases caused by bacteria, viruses, protozoans with respect to pathogenicity, laboratory diagnosis and treatment. It also gives the knowledge of Chemotherapy.
13	B Sc	Mathematics	Differential Calculus	After completion of this course, student will understand the methods of calculus like Limit and Continuity of real valued functions, Jacobians methods and its properties, extreme values and its examples, and vector calculus.
			Differential Equations	The Student will understand types of differential equations. Student will solve Homogeneous Linear differential equations, Linear differential equations of second order, ordinary simultaneous and total differential equations.
			Integral calculus	The Student will understand Gamma and Beta functions and it's properties, multiple integrals and also understand Fourier series, Differentiation under

				integral sign and error functions with case of improper integrals
			Discrete Mathematics	The Student will understand the concept of relations, Division algorithm with basic properties and also they will know Logical equivalence and types of graphs with its matrix representation.
			Practical course	The Student will able to solve the examples of Jacobian, Div, curl & Gradient. Student can explain Lagrange's method of Undetermined Multipliers, Homogeneous Linear Differential equations , Second order Linear Differential equations , Gamma & Beta functions. The students will also find out Fourier series, examples on Relation & Equivalence relations, Euclidean Algorithm for finding g.c.d & matrix representation of graph In mathematics Computer programming is most important tool. In this Practical student will learn following programs C-introduction, Data types, control structure, loop structures, Arrays, functions, Numerical integrations, Numerical Methods for solution of linear equations and ordinary differential equations.
14	B Sc	Zoology	Animal Diversity	Students could understand Biodiversity conservation, multiple alleles and acquire basic knowledge of animal classification.
			Biochemistry	The Students will be able to understand the structure and types of RNA- DNA, acquire basic knowledge of metabolism of carbohydrate , Lipid, protein and mechanism of enzyme action.
			Reproductive Biology	The Students will be able to acquire basic knowledge of sex determination, functional anatomy of male and female reproduction and reproductive health, reproductive technology such as sex determination, sperm bank, in vitro fertilization, ET, EFT, and modern contraceptive technologies
			Applied Zoology	Student could run the apiculture, poultry, dairy vermin technique, prawn culture and gout farming and application of Zoology

COURSE SPECIFIC OUTCOMES (PG)

Sr. No	Programme	Subject	Course	Specific Outcomes
1	MA	Marathi	१. भाषिक आविष्कारांची रूपे २. साहित्यप्रकारांचा सूक्ष्म अभ्यास	१. भाषिक आविष्काराचे स्वरूप <input type="checkbox"/> सर्जनशील प्रक्रिया आणि भाषा आणि साहित्य यांचा संबंध समजेल . २. साहित्यप्रकारांची संकल्पना <input type="checkbox"/> विविध वाङ्मयप्रकारातील कथनांचे स्वरूप आणि कथनविशेष समजतील
			विशेष साहित्यकृतींचा अभ्यास	लेखक <input type="checkbox"/> अभ्यासपध्दतीचा उपयोग कसा करावा याचे ज्ञान होईल . तसेच लेखकाचे वाङ्मयीन व्यक्तिमत्व आणि लेखक व त्याचा समकाल समजून घेतला जाईल .
			आधुनिक मराठी वाङ्मयाचा इतिहास	स्वातंत्र्यपूर्व काळातील महाराष्ट्रातील सामाजिक <input type="checkbox"/> राजकीय <input type="checkbox"/> सांस्कृतिक जीवनाची पार्श्वभूमी समजणे . या काळातील विविध साहित्यप्रवाहांचा इतिहास अभ्यासताना त्या त्या प्रवाहातील वाङ्मयप्रकारांचे स्वरूप वैशिष्ट्ये यांची माहिती होईल .
			लोकसाहित्य व लोककला	लोकसाहित्य आणि लोकसंस्कृती यातील परस्परसंबंध समजतील . लोकसाहित्याची संकल्पना <input type="checkbox"/> परंपरेची ओळख होईल .
			समाजभाषाविज्ञान	समाजभाषाविज्ञानाचे स्वरूप <input type="checkbox"/> विविध सिध्दांत <input type="checkbox"/> संकल्पनाचा परिचय होईल . त्याचप्रमाणे समाज <input type="checkbox"/> संस्कृती आणि भाषा यामधील परस्पर संबंध समजेल .
			वाङ्मयीन संस्कृती	विद्यार्थी वाङ्मयीन संस्कृती ही संकल्पना समजून समाज आणि संस्कृती यातील अनुबंध लक्षात येतील . त्याचप्रमाणे मौखिक आणि लिखित परंपरेत वाङ्मयीन परंपरेला संघटित करणा <input type="checkbox"/> घटकांचा विचार कसा करायचा याचे ज्ञान होईल .
			समीक्षा सिध्दांत आणि उपयोजन	उपयोजित <input type="checkbox"/> समाजशास्त्रीय व आदिबंधात्मक समीक्षा या समीक्षाप्रवाहांची माहिती होईल . मराठी समीक्षाविचाराचे स्वरूप व परंपरा जाणून मराठीतील सैध्दांतिक व उपयोजित समीक्षेचे स्वरूप माहिती होईल .
		बोली अभ्यास	बोलीची संरचना <input type="checkbox"/> बोलीची समाजभाषा वैज्ञानिक दृष्टीकोनातून विचार केला जाईल . भाषा <input type="checkbox"/> बोली आणि समाजाचा परस्परसंबंध कसा असतो <input type="checkbox"/> प्रमाणभाषा आणि बोली स्वरूप <input type="checkbox"/> विशेष समजून घेतले जातील . तसेच कोल्हापूरी बोलीचे क्षेत्रिय संशोधन केले जाईल .	
2	M.Sc.	Botany	Biology and Diversity of Fungi, Algae and Bryophytes	On completion of the course, students will be able to identify ,describe and classification of fungi, algae and bryophytes, Role of algae, Orgin and phylogeny of bryophytes.
			Biology and Diversity of Pteridophytes, Gymnosperms and Paleobotany	On completion of the course, students are able to identify and, Utilization and can describe pteridophytes and gymnosperms, Geological timescale and Identification of fossils.
			Plant Ecology and Evolution	On completion of the course, students will be able to Study different ecosystems, community ecology, population dynamics, ecological succession, evolution

			Tools and Techniques	On completion of the course, students will be able to know the laboratory discipline, Study microscopy, spectroscopy, electrophoresis, biostatistics, radioisotopic techniques, Collect, preserve different micro-organisms
			Angiosperm systematics	On completion of the course, students will be able to understand ICN and taxonomic tools, Study evolutionary concepts and reproductive isolations for speciation, describe cladistics, numerical taxonomy and APG classification with detail study of families.
			Plant pathology	On completion of the course, students will be able to know history of plant pathology, describe symptomology and disease development, study plant viruses based on classification and diseases and identify and manage different fungal diseases.
			Plant structure, development and reproduction	On completion of the course, students will be able to Study micro and mega- sporogenesis, study of apomixes, describe morphogenesis of plants, study different aspects in palynology.
			Cell and molecular biology	On completion of the course, students will be able to Study of cell organelles and their functions, understand cell division i.e. cell cycle and its regulation, describe cell signaling and communication and study of cell motility and DNA replication mechanisms
			Cytogenetics and Crop improvement	On completion of the course, students will be able to understand cytological concepts on cell, describe mapping in pro and eu- karyotes, understand crop genetic resources, study population and evolutionary genetics and know about methods of breeding in crops
			Biotechnology and genetic engineering	On completion of the course, students will be able to describe concept, scope and importance of biotechnology, study tools and techniques for PTC, know production of antibiotics and other biomolecules , describe rDNA technology and genomics and proteomics and know about IPR.
			Mycology and Plant pathology (Taxonomy of fungi)	On completion of the course, students will be able to, describe classification of fungi, know the techniques in fungal taxonomy describe cytological, vegetative, reproductive classification Understand serological techniques.
			Mycology and Plant pathology (IDM)	On completion of the course, students will be able to, To identify and manage fungal diseases, describe classification of plant diseases, know physiological relationship to pathogen and to study enzymatic production by fungi
			Plant Physiology and metabolism	On completion of the course, students will be able to, to study concept of photosynthesis and respiration, know about stress physiology describe plant water relationship, and now about synthesis of phytohormones and photoperiodism
			Biodiversity- conservation and utilization	On completion of the course, students are able to know about biological diversity, study types of endemism and hotspots, describe conservation biology and know about wild plants and their sustainable utilization
			Mycology and Plant pathology (Industrial	On completion of the course, students will be able to study scope and utility of fungi in industries, understand commercial production of enzymes, vitamins, giberllins and

		mycology)	know about edible fungi and its preservations
		Mycology and Plant pathology (IDM)	On completion of the course, students will be able to study methods of disease diagnosis, understand chemical methods, formulation and classification of fungicides describe history, symptomology and etiology, management of crop diseases and know fungicide resistance in plant pathogens and their management

COURSE SPECIFIC OUTCOMES (Short Term Skill Oriented Certificate Courses)

Sr. No.	Name of Course	Outcomes
1	Maintenance and repairs of electric and Domestic appliances	After completion of this certificate course, the student will be able to repair electric and domestic appliances. It also provides opportunity to the students for self employment and skill required for job.
2	Preparation of household chemicals	After completion of this certificate course, the student will be able to prepare the household chemicals as per the requirement of market or society. It also provides opportunity to the students for self employment and skill required for job and helpful for entrepreneurship.
3	Identification and conservation to aromatic and medicinal plants and their	After completion of this certificate course, the students will be able to identify various aromatic and medicinal plants and their use for various medicinal purposes. They will also have the understanding of methods of their conservation.
4	Milk Microbiology	The students will have the understanding of Milk composition and its nutritious value, Methods of Milk preservation at domestic and commercial level, Various milk products, Fermented milk products and methods of determination of quality of milk. The course will provide the job opportunities in small scale dairy industries as well as in milk processing plants.
5	Vermi-composting	After completion of this certificate course, the students will acquire skill about simple, effective and eco-friendly methods of waste management principle of conversion of garbage into fertilizers using earthworms. Students will understand vermicomposting techniques for organic farming .It also provides opportunity to the students for self employment and skill required for job and helpful for entrepreneurship.
6	Beauty Parlour	After completion of this certificate course, the students will be able to know the co-relation between health and beauty, skill to care ideal maintenance of health, skin and hairs which leads to increase their confidence for job opportunities and also can become entrepreneur..
7	Salesman Training	After completion of this certificate course, the students will be able to apply the knowledge of Commerce in market survey, market policy, and training to sale the goods available in the market.

8	Fashion Designing	After completion of this certificate course, the students will have the knowledge of basic techniques of sewing like basting, permanent stitches, fastners, types seams, pleats, plackers, pockets, yokes, dart and truck. They will have the understanding of types of Design like Necklines, collars, sleeves, colour, texture, shape, rythum, Physical and chemical characteristics of fibres. The students will alos get the practical knowledge of cutting and stitching various types of dresses like frock, salwar kameez, night gown, blouse, techniques of embroidery.
9	Catering Technology	The students will get the practical knowledge of modern tools in kitchen like microwave oven, sandwich makers, grinder, blender. Importance of Hygien and food proteins, different food dishes like maharashtrian dish like thalipit, puranpoli, daltadaka, south Indian dishes like idli dossa, uttappa, amboli.North idian dish like kaju kari, cholebatorra, malaikofta, kulcha.Gujarati dish like dalbati, dalroti, dhokala, khakara, Undiyo. Milk and milk products.,Non vegetarian food like biryani, khima, fishfry, Knowledge of Food preservation, bakery and other food products like cake, nan khathai, pizza, burger, dabeli, chocklet, sweets, jam jelly, sauce, chips.Practical knowledge of equipments and different types of food dishes like maharashtrian, south and north Indian , gujarathi, milk products and Nonvegetarian foods. Bakery products.
