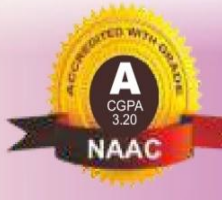




Maratha Vidya Prasarak Samaj's

# ARTS, COMMERCE & SCIENCE COLLEGE, KHEDGAON

Tal.: Dindori, Dist.: Nashik (Maharashtra) 422 205.



**Dr. D. N. Kare**

M.A, M.Phil., Ph.D.

G.D.C.& A., SET, NET (Economics)

**PRINCIPAL**

Ph. : (02557) 235183, Fax : (02557) 235183

E-mail : [acckhedgaon@rediffmail.com](mailto:acckhedgaon@rediffmail.com)

Website : [www.khedgaoncollege.ac.in](http://www.khedgaoncollege.ac.in)

College Code : 732

Centre No. : 163

**AISHE : C-41301**

CAAN - 017890

Affiliated to Savitribai Phule Pune University (ID No. PU/NS/AC/76/2003)

## Criteria – II Teaching, Learning and Evaluation:

### Key Indicator 2.6 Students Performance and Learning Outcomes

**2.6.1. Teachers and students are aware of the stated Programme and Course outcomes of the Programmes offered by the institution.**

### IDNEX

Sr. No.	Outcomes	Department	Page No.
1.	Course Outcomes (Cos) Program Outcomes (Pos) Program Specific Outcomes (Psos)	Economics	02-08
		Marathi	09-15
		Political Science	16-20
		Psychology	21-23
		English	24-25
		Geography	26-30
2.	Course Outcomes (COs) Program Outcomes (Pos) Program Specific Outcomes (Psos)	Commerce	31-39
3.	Science	Chemistry	40-44
		Zoology	45-46
		Botany	47-48
		Physics	49-56

  
**IQAC CO-ORDINATOR**  
Arts and Commerce College, Khedgaon  
Tal. Dindori, Dist. Nashik-422 205



  
**Dr.D.N.Kare**  
**Principal**  
Arts & Commerce College, Khedgaon,  
Tal. Dindori, Dist. Nashik

## Department Of Economics

Class	Course	Course Outcomes
F.Y.B.com	<b>Business Economics (Micro)</b> (2019 Pattern) (CBCS) Semester-I, (Sub Code-113) Semester-II (Sub Code-123) (To be implemented from the Academic Year, 2019-20)	CO.1. To impart knowledge of business economics
		CO.2 To clarify micro economic concepts
		CO.3 To analyze and interpret charts and graphs
		CO. 4 To understand basic theories, concepts of micro economics and their application
		CO.5 To understand the basic concepts of micro economics.
		CO.6 To understand the tools and theories of economics for solving the problem of decision making by consumers and producers.
		CO.7 To understand the problem of scarcity and choices.
S.Y.B.Com	<b>Business Economics (Macro)</b> (2019 Pattern) (CBCS) Semester-III (Sub Code-233) Semester-IV (Sub Code-243) (To be implemented from the academic year 2020-2021)	CO.1 To familiarize the students to the basic theories and concepts of Macro Economics and their application.
		CO.2 To study the relationship amongst broad aggregates
		CO.3 To impart knowledge of business economics
		CO. 4 To understand macroeconomic concepts
		CO.5 To introduce the various concepts of National Income
		CO.6 To understand the theories of money
		CO.7 To understand the phases of trade cycle and policy measures to elongate the trade cycle.
		CO.8 To understand credit creation of banks and money measures of RBI
T.Y.B.Com	<b>International Economics</b> (2019 Pattern) (CBCS) Semester-V (Sub Code-353B) Semester-VI (Sub Code-363B) (To be implemented from the Academic Year, 2021-22)	CO.1. To Understand the Comparison of Inter-regional and international trade
		CO.2 Acquired knowledge on Theories of International Trade
		CO.3 Analysis Balance of trade and Balance of payments
		CO. 4 To help the students to prepare for varied competitive examinations
		CO.5 Students will be able to comprehend the basic concepts of balance of payment and foreign exchange.
		CO.6 Students will be able to evaluate the working and functions of international organizations and institutions.

  
**IQAC CO-ORDINATOR**  
 Arts and Commerce College, Khedgaon  
 Tal. Dindori, Dist. Nashik-422 205



  
**Dr.D.N.Kare**  
**Principal**  
 Arts & Commerce College, Khedgaon,  
 Tal. Dindori, Dist. Nashik



## Programmed Bachelor of Arts degree (B.A) Department of Economics-

Programmed Bachelor of Arts degree (B.A)	Program Outcomes
After completing the B.A degree, students are able to.....	<b>P0-1</b> To stimulate the student interest by showing the relevance and use of various economic theories.
	<b>P0-2</b> To apply economic reasoning to problems of business
	<b>P0-3</b> To Study the relationship among broad aggregates. To apply economic reasoning to problems of the economy
	<b>P0-4</b> To provide knowledge about the financial system in the country
	<b>P0-5</b> Ability to compare and contrast Indian Economy with other world economies
	<b>P0-6</b> It also aims to introduce international financial institutions operating in the global economy
	<b>P0-7</b> Ability to develop awareness among the students of Economics Development & Planning
	<b>P0-8</b> Acquired knowledge on issue of Population – causes of growing population, Problems of over population, population control.

  
**IQAC CO-ORDINATOR**  
Arts and Commerce College, Khedgaon  
Tal. Dindori, Dist. Nashik-422 205



  
**Dr.D.N.Kare**  
Principal  
Arts & Commerce College, Khedgaon,  
Tal. Dindori, Dist. Nashik

## Department of Economics

<b>Program: BA (Economics)</b>	<b>PROGRAM SPECIFIC OUTCOMES (PSOs)</b>
	<b>PSO 1 -</b> At the end of the program, the students should be able discuss and debate on the various issues and challenges facing the Indian economy
	<b>PSO 2 -</b> Ability to understand the behavior of an economic agent, namely a consumer, a producer, a factor owner and the price fluctuation in a market
	<b>PSO 3 -</b> To highlight the trends and challenges faced by nations in a challenging global environment
	<b>PSO 4 -</b> Ability to develop awareness on the various new developments in the different sectors of an economy - Agriculture, industry, services, banking, etc

  
**IQAC CO-ORDINATOR**  
Arts and Commerce College, Khedgaon  
Tal. Dindori, Dist. Nashik-422 205



  
**Dr.D.N.Kare**  
**Principal**  
Arts & Commerce College, Khedgaon,  
Tal. Dindori, Dist. Nashik

**Department of Economics**  
**Course Outcomes (COs) of Economics (B.A.)**

Class	Course	Course Outcomes
<b>F.Y.B.A.</b>	<b>GEN-1 Indian Economic Environment</b> Choice Based Credit System (CBCS) Semester-I (Sub Code-11151) Semester-II (Sub Code-12151)  <i>(To be implemented from the Academic Year, 2019-20)</i>	CO.1 Ability to develop an understanding of the economic environment and the Factors affecting economic environment.
		CO.2 Ability to develop awareness on the various new developments in the Different sectors of an economy – agriculture, industry, services, banking, etc.
		CO.3 Ability to compare and contrast Indian Economy with other world economies.
		CO. 4 At the end of the course, the student should be able discuss and debate on the Various issues and challenges facing the Indian Economic Environment.
		CO. 5 To provide the students with the background of the Indian Economy with focus on contemporary issues like economic environment.
		CO.6 To make the student aware of the developments such as MSMEs, Digital Economy, E-Banking, BPO & KPO, etc.
<b>S.Y.B.A</b>	<b>GEN-II. Financial System</b> Choice Based Credit System (CBCS) Semester-III (Sub Code-23153) Semester-IV (Sub Code-24153)  <i>(Revised Syllabus implemented from the academic year 2020-2021)</i>	CO.1. To understand fundamentals of modern financial system
		CO.2 To understand the recent trends and developments in banking system.
		CO.3 To understand the role of the Reserve Bank of India in Indian financial system
		CO. 4 To provide the knowledge of various financial and non-financial institutions
		CO.5 To provide the students the intricacies of Indian financial system for better Financial decision making.

Class	Course	Course Outcomes
S.Y.B.A.	<b>SPL-I, Micro Economics</b> Choice Based Credit System (CBCS) (2019 Pattern) Semester-III (Sub Code-23151) Semester-IV (Sub Code-24151)  <i>(Revised Syllabus implemented from the academic year 2020-2021)</i>	CO.1. To develop an understanding about subject matter of Economics.
		CO.2 To impart knowledge of microeconomics.
		CO.3 To clarify micro economic concepts
		CO. 4 To analyze and interpret charts, graphs and figures
		CO.5 To develop an understanding of basic theories of micro economics and their Application.
		CO.6 To develop an understanding of basic theories of micro economics and their application.
		CO.7 To demonstrate that the theories discussed in class will usually be applied to real-life situations
		CO.8 To help the students to prepare for varied competitive examinations
S.Y.B.A.	<b>SPL-II, Macro Economics</b> Choice Based Credit System (CBCS) (2019 Pattern) Semester-III (Sub Code-23152) Semester-IV (Sub Code-24152)  <i>(Revised Syllabus implemented from the academic year 2020-2021)</i>	CO.1. To introduce students to the historical background of the emergence of Macroeconomics
		CO.2 To familiarize students with the differences between microeconomics and macroeconomics
		CO.3 To familiarize students with various concepts of national income
		CO. 4 To familiarize students with keynesian macroeconomic theoretical framework of consumption and investment functions
		CO.5 To introduce students to the role of money in an economy.
		CO.6 To introduce students to the conceptual and theoretical frameworks of Inflation, deflation and stagflation, Business Cycle.
S.Y.B.A.	S.Y.B.A. Economics Skill Enhancement Course (SEC2A,2B): <b>Basic Concept of Research Methodology-I,II.</b>	CO.1. On completion of the course, the student shall be able to- <ul style="list-style-type: none"> <li>• Demonstrate his/her understanding of sampling methods and the ability to use collection of data</li> </ul>



T.Y.B.A.	Choice Based Credit System (CBCS) (2019 Pattern) Semester-III (Sub Code-23154) Semester-IV (Sub Code-24154) <i>(Revised Syllabus implemented from the academic year 2020-2021)</i>	<ul style="list-style-type: none"> <li>Identify the appropriate sample techniques for different kinds of research questions</li> <li>Identify the appropriate source of data in relation to the collection of research data.</li> <li>Able to classify and present the collected data in the form of graph, bar diagram, chart etc.</li> </ul>
	<b>GEN-III: Indian Economic Development--I,II.</b>	CO.1. To relate and recognize the concept and indicators of Economic Development
		CO.2 To describe and analyze the concept and indicators of Human Development
		CO.3 To explain the characteristics of Developing and Developed Countries.
		CO. 4 To describe the constraints to the process of Economic Development
		CO.5. To describe and explain the process of Economic Planning
		CO.6 To describe and examine the changing structure of planning process in India.
TYBA	Choice Based Credit System (CBCS) (2019 Pattern) Semester-V (Sub Code-35153) Semester-VI (Sub Code-36153) <i>(Revised Syllabus implemented from the academic year 2021-2022)</i>	CO.7 To describe and explain the relation between Economic Development and Environment
	<b>SPL - III: International Economics-I,II.</b>	CO.1. To relate and recall the concepts of International Economics and International Trade.
		CO.2 To describe and apply the theories of international trade.
		CO.3 To explain and comprehend the issues relating to Terms of trade and Balance of Payment
		CO.4. To relate and recall the concepts of International Economics and International Trade.
		CO.5 To describe and apply the theories of international trade.
		CO.6 To explain and comprehend the issues relating to Terms of trade and Balance of Payment

<b>T.Y.B.A.</b>	<b>SPL-IV: Public Finance-I,II.</b>  Choice Based Credit System (CBCS) (2019 Pattern) Semester-V (Sub Code-35152) Semester-VI (Sub Code-36152) <i>(Revised Syllabus implemented from  the academic year 2021-2022)</i>	CO.1 To relate and recognize the Nature and Scope of Public Finance.
		CO.2 To describe and analyze the concept of Public Revenue and its components.
		CO.3 To explain types of Public Expenditure and reasons for rising Public Expenditure.
		CO.4 To explain the types of Public Debt and its effects
		CO.5 To explain and assess the components and instruments of Fiscal Policy.
		CO.6 To relate to the concepts of Budget and its components
		CO.7 To describe and analyze the concept of Deficit Financing and its effects.
		CO.8 To describe and explain the Centre and State Financial Relationship.
<b>T.Y.B.A.</b>	T.Y.B.A. Economics Skill Enhancement Course (SEC 3A): <b>Business Management-I ,II.</b>  Choice Based Credit System (CBCS) (2019 Pattern) Semester-V, (Sub Code-35154) Semester-VI (Sub Code-36154) <i>(Revised Syllabus implemented from  the academic year 2021-2022)</i>	CO.1 At the end of the Course, the Learner will have the following skills: <ul style="list-style-type: none"> <li>• Management of Business.</li> <li>• Business planning and decision making</li> <li>• Leadership Skills- Ability to work in teams at the same time, ability to show leadership qualities</li> </ul>
		CO.2 At the end of the Course, the Learner will have the following skills: <ul style="list-style-type: none"> <li>• Analytical Skills – Ability to analyze data collected and interpret in the most logical manner</li> <li>• Project Report Writing Skills- Ability to comprehend and illustrate/demonstrate findings</li> <li>• Presentation Skills – PPT/Poster- Ability to illustrate findings in the most appealing manner</li> <li>• Leadership Skills: Ability to show leadership skills with business ideas or work on business ventures as a practical example</li> </ul>

  
**IQAC CO-ORDINATOR**  
Arts and Commerce College, Khedgaon  
Tal. Dindori, Dist. Nashik-422 205



  
**Dr.D.N.Kare**  
Principal  
Arts & Commerce College, Khedgaon,  
Tal. Dindori, Dist. Nashik



## Department of Marathi (मराठी)

	Program Outcomes
<p><b>Programme Bachelor of Arts degree (B.A)</b></p> <p>After completing the B.A degree, students are able to.....</p>	✚ कला शाखेमुळे साहित्य व संस्कृतीची ओळख होते.
	✚ भाषा व साहित्याच्या अभ्यासामुळे व्यक्तिमत्व विकास कौशल्ये विकसित करता येते.
	✚ भाषिक प्रभुत्व संपादन करता येतात.
	✚ भाषेच्या बहुभाषिक अभ्यासातून भाषांतर, अनुवाद कौशल्ये प्राप्त करता येतात,
	✚ भाषेचा आंतर शाखीय अभ्यासामुळे सामाजिक बांधिलकी, नीतीमूल्ये यांची जोपासना करता येते,
	✚ भाषेच्या अभ्यासातून राष्ट्रीय एकात्मता जोपासता येते.
	✚ येणाऱ्या काळामध्ये एक महत्वाची भाषा म्हणून मराठी भाषेने दर्जा प्राप्त केला आहे.

  
**IQAC CO-ORDINATOR**  
Arts and Commerce College, Khedgaon  
Tal. Dindori, Dist. Nashik-422 205



  
**Dr.D.N.Kare**  
**Principal**  
Arts & Commerce College, Khedgaon,  
Tal. Dindori, Dist. Nashik

## Department of Marathi (मराठी)

Program: B.A (Marathi)	Program Specific Outcomes
	PSO 1.मराठी भाषा आणि संस्कृतीची जोपासना करण्याची वृत्ती वाढते.
	PSO 2.परीक्षण, आस्वाद आणि आकलन क्षमता विकसित होतात.
	PSO 3.मराठी भाषेच्या अभ्यासातून संवाद कौशल्ये विकसित होतात.
	PSO 4.मराठी भाषेतून व्यवहार करण्याची वृत्ती निर्माण होते.

  
**IQAC CO-ORDINATOR**  
Arts and Commerce College, Khedgaon  
Tal. Dindori, Dist. Nashik-422 206



  
**Dr.D.N.Kare**  
**Principal**  
Arts & Commerce College, Khedgaon,  
Tal. Dindori, Dist. Nashik

## Department of Marathi (मराठी)

### Course Outcomes (COs) of (B.A. / B.Com.)

Class	Course	Course Outcomes
F.Y.B.com.	सत्र -१ ( Semester-I)	१. विविध क्षेत्रातील भाषा व्यवहाराचे स्वरूप व गरज समजले.
	१)भाषा ,साहित्य आणि कौशल्येविकास[117B]	२. या व्यवहार क्षेत्रातील मराठी भाषेचे स्थान स्पष्ट करणे व त्यातील मराठीच्या प्रत्यक्ष वापराचा अभ्यास करता आला
	(Ability Enhancement Course)	३. विविध क्षेत्रीय मराठी भाषेच्या वापराची कौशल्ये विकसित होते .
	सत्र -२ ( Semester-II)	४. विविध लेखनप्रकारांचा अभ्यास व प्रत्यक्ष लेखनाची कौशल्ये वापरण्यास सक्षम करणे.
	२) भाषा आणि कौशल्येविकास [127B]	५. विविध क्षेत्रातील कर्तृत्ववान व्यक्तींच्या कार्याची व विचारांची ओळख करून देणे.
	(Ability Enhancement Course) Choice Based Credit System (CBCS) (To be implemented from the Academic Year, 2019-20)	६. विद्याश्र्यांमध्ये नैतिक, व्यावसायिक व वैचारिक मूल्यांची जोपासना करणे,

  
**IQAC CO-ORDINATOR**  
Arts and Commerce College, Khedgaon  
Tal. Dindori, Dist. Nashik-422 205



  
**Dr.D.N.Kare**  
**Principal**  
Arts & Commerce College, Khedgaon,  
Tal. Dindori, Dist. Nashik


Class	Course	Course Outcomes
<b>F.Y.B.A.</b>	मराठी अभ्यासक्रम पासून २०१९)-) – सत्र १-)Semester-I( १)मराठी साहित्य कथा आणि भाषिक : )कौशल्येCC-1 A)[11021] A सत्र २-)Semester-II( २) मराठी साहित्य एकांकिका आणि भाषिक : ) कौशल्येCC-1 A)]12021]A  Choice Based Credit System (CBCS) (To be implemented from the Academic Year, 2019-20)	१. कथा या साहित्यप्रकाराची ओळख करून घेता येते.
		२. कथा या साहित्यप्रकाराचे स्वरूप, घटक आणि प्रकार यांची ओळख करून घेता येते.
		३. विविध साहित्यप्रवाहांमधील कथा या साहित्यप्रकारातील निवडक कथांचे अध्ययन करता येता येते.
		४. भाषिक कौशल्यविकास होतो.
		५.एकांकिका या साहित्यप्रकाराची ओळख करून देणे.
		६.एकांकिका या साहित्यप्रकाराचे स्वरूप, घटक आणि प्रकार यांची ओळख करून देता येतो.
		७ किकांचे अध्ययनमराठी साहित्यातील निवडक एकां .करता येते.
<b>S.Y.B.A.- G2</b>	सत्र (३-)Semester-III) भाषिक कौशल्ये विकास आणि आधुनिक मराठी साहित्य प्रकार) कादंबरी:CC-1 C (3)23023 सत्र (४-)Semester-IV) भाषिक कौशल्ये विकास आणि आधुनिक मराठी साहित्य प्रकार) ललितगद्य:CC-1 D (3) 24023 Choice Based Credit System (CBCS) (Revised Syllabus implemented from the academic year 2020-2021)	१.कादंबरी या साहित्यप्रकाराचे स्वरूप, घटक, प्रकार आणि वाटचाल समजून घेता आले.
		२.नेमलेल्या कादंबरीचे आकलन, आस्वाद आणि विश्लेषण करता येते.
		३.भाषिक कौशल्यविकास होतो
		४. ललितगद्य या साहित्यप्रकाराचे स्वरूप, घटक, प्रकार आणि वाटचाल समजून घेणे.
		५ नेमलेल्या अभ्यासपुस्तकातील ललितगद्याचे आकलन ., आस्वाद आणि विश्लेषण करता येते.
<b>S.Y.B.A.- S1</b>	सत्र-३) Semester-III( १) आधुनिक मराठी साहित्य प्रकाशवाटा: ]DSE 1A-[23021] सत्र-४) Semester-IV( 2) मध्ययुगीन मराठी साहित्याचा इतिहास	१आत्मचरित्र या साहित्यप्रकाराचे स्वरूप ., संकल्पना समजावून घेणे.
		२ आत्मचरित्र या .साहित्यप्रकाराच्या प्रेरणा आणि वाटचाल यांची ओळख करून घेणे.
		३.ललित गद्यातील अन्य साहित्यप्रकारांच्या तुलनेत आत्मचरित्राचे वेगळेपण समजावून घेणे .
		४नेमलेल्या या आत्मचरित्राचे आकलन ., आस्वाद आणि विश्लेषण करणे.

	<p>]DSE 2A[ 24021]</p> <p>Choice Based Credit System (CBCS)</p> <p>(Revised Syllabus implemented from the academic year 2020-2021)</p>	<p>५ वाडयेतिहास संकल्पना., स्वरूप, प्रेरणा, प्रवृत्ती समजल्या.</p> <p>६ मध्ययुगीन कालखंडाची सामाजिक ., सांस्कृतिक पार्श्वभूमी समजून घेतल्या .</p> <p>७ मराठी भाषा, साहित्याची कालखंडानुरूप इतिहास समजून घेतला.</p>
<p><b>S.Y.B.A.</b></p> <p><b>S2</b></p>	<p>सत्र ३ ) Semester-III(</p> <p>साहित्य विचार [DSE 1 B(3)][23022]</p> <p>सत्र -४) Semester-IV(</p> <p>2) साहित्य समीक्षा [DSE 2 B(3)][24022]</p> <p>Choice Based Credit System (CBCS)</p> <p>(Revised Syllabus implemented from the academic year 2020-2021)</p>	<p>१ भारतीय आणि पाश्चात्य साहित्यविचाराच्या आधारे साहित्याची संकल्पना ., स्वरूप आणि प्रयोजनविचार समजावून घेणे.</p> <p>२ साहित्याची निर्मितिप्रक्रिया समजावून घेणे.</p> <p>३ साहित्याची भाषा आणि शैली विषयक विचार समजावून घेणे .</p> <p>४ साहित्य समीक्षेची संकल्पना, स्वरूप यांचा परिचय करून घेणे.</p> <p>५ साहित्य आणि समीक्षा यांचे परस्पर संबंध समजावून घेणे व अभ्यासणे.</p> <p>६ साहित्यप्रकारानुसार समीक्षेचे स्वरूप समजावून घेणे व अभ्यासणे.</p> <p>७ ग्रंथ परिचय, परीक्षण व समीक्षण यातील फरक समजावून घेणे.</p> <p>८ या विषयाच्या अभ्यासातून तत्कालीन समाज साहित्य आणि संस्कृती यांची ओळख झाली,</p> <p>९ पदव्युत्तर अभ्यासक्रमाची पूर्वओळख करून घेता आली</p>
<p><b>S.Y.B.A.</b></p> <p><b>(MIL)</b></p>	<p>आधुनिक भारतीयभाषा )MIL (</p> <p>सत्र ३ ) Semester-III(</p> <p>१.मराठी भाषिक संज्ञापन कौशल्ये ]MIL</p> <p>2(2)</p> <p>[23011]</p> <p>सत्र -४) Semester-IV(</p> <p>२. नवमाध्यमे आणि समाजमाध्यमासाठी मराठी</p> <p>]MIL 2(2)][24011]</p> <p>Choice Based Credit System (CBCS)</p> <p>(Revised Syllabus implemented from the academic year 2020-2021)</p>	<p>१. प्रगत भाषिक कौशल्यांची क्षमता विकसित होते.</p> <p>२. व्यक्तिमत्व विकास आणि भाषा यांचा विकास होतो.</p> <p>३. प्रसारमाध्यमासाठी लेखन क्षमता विकसित होते.</p> <p>४. लोकशाहीतील जीवनव्यवहार व प्रसारमाध्यमे यांचा परस्पर संबंध लक्षात येतो.</p>
<p><b>S.Y.B.A.</b></p>	<p>आधुनिक भारतीयभाषा )MIL (</p> <p>सत्र ३ ) Semester-III(</p>	<p>१. प्रगत भाषिक कौशल्यांची क्षमता विकसित होते.</p> <p>२. व्यक्तिमत्व विकास आणि भाषा यांचा विकास होतो.</p>

<b>(MIL)</b>	१.मराठी भाषिक संज्ञापन कौशल्ये ]MIL 2(2)[23011] सत्र -४) Semester-IV( २. नवमाध्यमे आणि समाजमाध्यमासाठी मराठी ]MIL 2(2)[24011] Choice Based Credit System (CBCS) (Revised Syllabus implemented from the academic year 2020-2021)	३.प्रसारमाध्यमासाठी लेखन क्षमता विकसित होते.
		४.लोकशाहीतील जीवनव्यवहार व प्रसारमाध्यमे यांचा परस्पर संबंध लक्षात येतो.
<b>T.Y.B.A. - G3</b>	सत्र -५. ( Semester-V) भाषिक कौशल्यविकास आणि आधुनिक साहित्यप्रकार :प्रवासवर्णन [CC-1 E(3)][35023] सत्र ६. Semester-VI भाषिक कौशल्येविकास आणि आधुनिक साहित्यप्रकार :कविता [CC-1 F(3)] [36023] Choice Based Credit System (CBCS) (2019 Pattern) (Revised Syllabus implemented from the academic year 2021-2022)	१.प्रवासवर्णनाच्या वाचनामुळे विद्यार्थ्यांना विविध प्रदेशातील साहित्य संस्कृतीची ओळख होते.त्यामुळे त्यांच्या सामान्य ज्ञानात भर पडते.त्यामुळे विद्यार्थ्यांची दृष्टी विकसित होते.
		२.मंद्रित माध्यमांसाठी लेखन कौशल्ये आत्मसात करणे.
		३.प्रवासवर्णन या साहित्यप्रकाराचे स्वरूप, प्रेरणा, प्रयोजने, वैशिष्ट्ये आणि वाटचाल समजून घेतल्या .
		४.नेमलेल्या प्रवासवर्णनाचे आकलन, आस्वाद आणि विश्लेषण करणे
		५.मराठी साहित्य, भाषिक कौशल्यविकास आणि शासनव्यवहार यांची माहिती येणे.
		६.कविता या साहित्यप्रकाराचे स्वरूप, वाटचाल, प्रेरणा प्रवृत्ती आणि वैशिष्ट्ये, समजून घेता आल्या.
		७. कविता या साहित्यप्रकारातील विविध आविष्कार व भाषारूपांची अभ्यासपुस्तकातील कवितांच्या आधारे ओळख करून घेणे.
<b>T.Y.B.A. - S3</b>	सत्र -५ ) Semester-V( १ :चा स्थूल इतिहासमध्ययुगीन मराठी वाङ्मया( १६०० प्रारंभ ते[DSE 1 C (3+1)][35021] सत्र) ६- Semester-VI( 2)मध्ययुगीन मराठी वाङ्मयाचा स्थूल इतिहास : ] १८१७ ते १६०१DSE 1 D	१.वाडये.तिहास संकल्पना, स्वरूप, प्रेरणा, प्रवृत्ती समजून घेणे.
		२.मध्ययुगीन कालखंडाची सामाजिक, सांस्कृतिक पार्श्वभूमी समजून घेणेमराठी भाषा ., साहित्याची कालखंडानुरूप इतिहास समजून घेणे.
		३.वाड.येतिहास संकल्पना, स्वरूप, प्रेरणा, प्रवृत्ती समजून घेत आला.
		४.मध्ययुगीन कालखंडाची सामाजिक, सांस्कृतिक पार्श्वभूमी समजून घेउन मराठी भाषा, साहित्याची कालखंडानुरूप इतिहास



	(3+1)][36021] Choice Based Credit System (CBCS) (2019 Pattern) (Revised Syllabus implemented from the academic year 2021-2022)	समजून घेता येतो. ५. मराठी भाषा, साहित्याची कालखंडानुरूप इतिहास समजून घेता आला.
T.Y.B.A. – S4	सत्र) ५- Semester-V( वर्णनात्मक भाषाविज्ञान भाग :1 [DSE 2 C (3)+1][35022] सत्र ६- )Semester-VI( वर्णनात्मक भाषाविज्ञान भाग :2 [DSE 2 D (3)+1][36022] Choice Based Credit System (CBCS) (2019 Pattern) (Revised Syllabus implemented from the academic year 2021-2022)	१.वर्णनात्मक व ऐतिहासिक भाषा विज्ञानातून मराठी भाषेचे स्वरूप कार्य ब व महत्व समजून घेता आली.
		२.वाक्यविन्यासाच्या अभ्यासामुळे विद्यार्थ्यांची लेखन कौशल्ये विकसित झाली.
		३ ऐतिहासिक भाषा विज्ञानाच्या अभ्यासामुळे मराठी भाषा.अभिजात भाषा होऊ शकते का याच्या शक्यता अभ्यासता आल्या.
		४.भाषाकुलाची संकल्पना अभ्यासल्याने मराठी भाषेची ऐतिहासिक माहिती प्राप्त झाली.
कौशल्याधिष्ठी त अभ्यासक्रम २०२१ जून) (पासून	कार्यक्रम संयोजनातील भाषिक कौशल्ये भाग: 1[SEC 2 C (2)] [35025] सत्र २- कार्यक्रम संयोजनातील भाषिक कौशल्ये भाग: 2 [SEC 2 D (2)][36025]	१.सूत्रसंचालकासाठी आवश्यक असणारी कौशल्ये विकसित होतात.
		२.कार्यक्रमात बोलण्याचा आत्मविश्वास निर्माण होतो.
		३.कार्यक्रमाचे संयोजन कसे करायचे हे कौशल्ये निर्माण होतात.
		४.दूरदर्शन ,सार्वजनिक कार्यक्रमांमध्ये सूत्रसंचालक म्हणून रोजगाराच्या संधी प्राप्त होतात.

  
**IQAC CO-ORDINATOR**  
Arts and Commerce College, Khedgaon  
Tal. Dindori, Dist. Nashik-422 205



  
**Dr.D.N.Kare**  
**Principal**  
Arts & Commerce College, Khedgaon,  
Tal. Dindori, Dist. Nashik

## Department of Political Science

	Program Outcomes
<p><b>Program:</b></p> <p><b>(B.A. in Political Science):</b></p> <p>After completing the B.A in Political Science degree, students are able to</p>	<ul style="list-style-type: none"> <li>✚ Learns about constitutional structures, Process and institutions along with the political process of India</li> </ul>
	<ul style="list-style-type: none"> <li>✚ Enriches the knowledge of students about western political thoughts process along with the work great thinkers of the ancient and medieval period.</li> </ul>
	<ul style="list-style-type: none"> <li>✚ Efforts are being made to appraise the global and regional politics along with the interstate relationship.</li> </ul>
	<ul style="list-style-type: none"> <li>✚ To develop and be able to demonstrate skills in conducting as well as presenting research in political science</li> </ul>
	<ul style="list-style-type: none"> <li>✚ To analyse political and policy problems and formulate policy options.</li> </ul>
	<ul style="list-style-type: none"> <li>✚ To analyse political and policy problems and formulate policy options.</li> </ul>
	<ul style="list-style-type: none"> <li>✚ Students enable to discuss the major theories, Ideologies and concepts of political science and its subfields, and also deliver thoughtful and well-articulated presentations of research Findings.</li> </ul>
	<ul style="list-style-type: none"> <li>✚ To help students to become good citizen of India with knowing their fundamental rights and duties.</li> </ul>
	<ul style="list-style-type: none"> <li>✚ It help students for their career such as political field, journalism, civil services etc.</li> </ul>

  
**IQAC CO-ORDINATOR**  
 Arts and Commerce College, Khedgaon  
 Tal. Dindori, Dist. Nashik-422 205



  
**Dr.D.N.Kare**  
**Principal**  
 Arts & Commerce College, Khedgaon,  
 Tal. Dindori, Dist. Nashik

## Department of Political Science

Program:	PSO. No.	Program Specific Outcomes
<b>B.A. in Political Science</b>	1	Students enable to understand constitutional and Political Process of India.
	2	Students enable to understand the philosophy of Indian constitutions.
	3	Students enable to understand various political philosophies, thoughts and concepts which were developed across the world from ancient to modern time.
	4	Students will aware and understand the Role of various Political Ideologies & their impact in Politics on local to global scenario.
	5	Students enable to understand the traditional & Modern Political Thoughts process along with the work great thinkers of the ancient and medieval period
	6	Students enable to understand the various factors which impacts politics of any nation such as sociological, cultural, physical, economical, technological factors etc.
	7	Students know how public administration works and get basic understanding of various administrative theories and concepts.
	8	Students aware about International relation & global politics also grasp major theories, concepts, ideologies, Institutions etc. which make impact on global political process.
	9	Students enable to understand the role and Importance of Media in framing public opinion and its impact on governance and politics of any nation.
	10	Students get adequate information about how local self-government institutions were formed and works in India.

  
**IQAC CO-ORDINATOR**  
 Arts and Commerce College, Khedgaon  
 Tal. Dindori, Dist. Nashik-422 205



  
**Dr.D.N.Kare**  
**Principal**  
 Arts & Commerce College, Khedgaon,  
 Tal. Dindori, Dist. Nashik

**Department of Political Science**  
**Course Outcomes (COs) of Bachelor of Arts (B.A.)**

Class	Course Name	Course Outcomes
F.Y.B.A.	<b>Introduction To Indian Constitution I</b> Choice Based Credit System (CBCS) Semester-I, <b>Course Code:11161A</b> Semester-II <b>Course Code:12161A</b> <i>(To be implemented from the Academic Year, 2019-20)</i>	<ul style="list-style-type: none"> <li>Students Enable To Understand Salient Characteristics Of Indian Constitution</li> </ul>
		<ul style="list-style-type: none"> <li>Students Enable To Appreciate The Various Phases Of Indian National Movement.</li> </ul>
		<ul style="list-style-type: none"> <li>Students Enable To Understand Basic Structure And Function Of Indian Government</li> </ul>
		<ul style="list-style-type: none"> <li>Students Grasp Good Knowledge Of Indian Political Process</li> </ul>
S.Y.B.A. G-2	<b>An Introduction To Political Ideologies</b> Choice Based Credit System (CBCS) Semester-III, <b>Course Code: CC 2C- 23164</b> Semester-IV <b>Course Code: CC 2D- 24164</b> <i>(Revised Syllabus implemented from the academic year 2020-2021)</i>	<ul style="list-style-type: none"> <li>Students enable to understand the Role of Political Ideologies in nation's politics.</li> </ul>
		<ul style="list-style-type: none"> <li>Students will get good Knowledge Of Political Ideologies.</li> </ul>
		<ul style="list-style-type: none"> <li>Students enable to understand the Philosophical Basis of the Ideologies.</li> </ul>
		<ul style="list-style-type: none"> <li>Develop Ability To Critically Analyze Of Various Ideologies</li> </ul>
S.Y.B.A. S-1	<b>Western Political Thought-I,II</b> Choice Based Credit System (CBCS) Semester-III <b>Course Code: DSE-1A 23161</b> Semester-IV <b>Course Code: DSE-1B 24161</b> <i>(Revised Syllabus implemented from the academic year 2020-2021)</i>	<ul style="list-style-type: none"> <li>Students Enable To Know Western Political Thought Process</li> </ul>
		<ul style="list-style-type: none"> <li>Students Make Good Understanding Of Eminent Western Political Thinker's Thoughts</li> </ul>
		<ul style="list-style-type: none"> <li>Students Can Develop Their Critical Thinking Approach By Studying And Comparing These Thoughts</li> </ul>
		<ul style="list-style-type: none"> <li>Students Will Know Various Political Theories Of Great Political Thinkers</li> </ul>

S.Y.B.A. S-2	<b>Political Journalism-I</b> <b>Course Code:DSE-2A 23162</b> <b>Political Journalism-II</b> <b>Course Code:DSE-2B 24162</b> Choice Based Credit System (CBCS) Semester-III, Semester-IV <i>(Revised Syllabus implemented from the academic year 2020-2021)</i>	<ul style="list-style-type: none"> <li>Students Enable To Understand Complex Relationship Communication, Media And Power Politics.</li> </ul>
		<ul style="list-style-type: none"> <li>Students Get Good Understanding Of Practices Of Political Image Management, Campaigns Management, Propaganda And Censorship</li> </ul>
		<ul style="list-style-type: none"> <li>Students Will Know The Role Of Media In Indian Politics.</li> </ul>
S.Y.B.A. SKILL ENHANCEMENT COURSE	<b>Basics Of Indian Constitution-I</b> <b>Course Code:SEC-2A 23165</b> <b>Basics Of Indian Constitution-II</b> <b>Course Code:SEC-2B 24165</b> Choice Based Credit System (CBCS)Semester-III, Semester-IV <i>(Revised Syllabus implemented from the academic year 2020-2021)</i>	<ul style="list-style-type: none"> <li>Students Acquire Good Knowledge About Important Features Of Indian Constitution.</li> </ul>
		<ul style="list-style-type: none"> <li>Students Enable To Know Basic Framework Of Indian Government.</li> </ul>
		<ul style="list-style-type: none"> <li>Students Enable To Understand Fundamental Rights, Duties Of Indian Citizen And Guiding Principal Of State Policy.</li> </ul>
T.Y.B.A. G-3	<b>Local Self Government In Maharashtra</b> <b>Course Code:CC-1E</b> Choice Based Credit System (CBCS)(2019 Pattern) Semester-V, <b>Course Code:35</b> Semester-VI <b>Course Code:36</b> <i>(Revised Syllabus implemented from the academic year 2021-2022)</i>	<ul style="list-style-type: none"> <li>Students enable to understand the evolution of local self-Government in Maharashtra.</li> </ul>
		<ul style="list-style-type: none"> <li>Students will are about constitutional journey Of Local self-Government by study 73rd and 74th Amendment of Indian Constitution</li> </ul>
T.Y.B.A. S-3	<b>Public Administration</b> <b>Course Code: DSE 1C</b>  Choice Based Credit System	<ul style="list-style-type: none"> <li>Students enable to understand of various activities of governmental administrators that fall under of public administration to include rule- making, policy forming and the delivery of services and programs and other regulatory activities.</li> </ul>
		<ul style="list-style-type: none"> <li>Students unable to understand new trends occur in public administration</li> </ul>

	(CBCS)(2019 Pattern) Semester-V, <b>Course Code:35</b> Semester-VI <b>Course Code:35</b> (Revised Syllabus implemented from the academic year 2021- 2022)	<ul style="list-style-type: none"> <li>• Students will know various theories of Public administration</li> </ul>
<b>T.Y.B.A.</b> S-4	<b>International Relations-I</b> <b>Course Code: DSE 2C</b> <b>International Relations-II</b> <b>Course Code: DSE 2D</b> Choice Based Credit System (CBCS)(2019 Pattern) Semester-V, <b>Course Code:35</b> Semester-VI <b>Course Code:35</b> (Revised Syllabus implemented from the academic year 2021- 2022)	<ul style="list-style-type: none"> <li>• Students enable to understand the evolution, scope and significance of international relations and international politics.</li> </ul>
		<ul style="list-style-type: none"> <li>• Students enable to demonstrate an understanding of key historical events and also they enable to understand contemporary international system; and the key actors which shaped the international Politics.</li> </ul>
		<ul style="list-style-type: none"> <li>• Students enable to discuss the main theories in international relations and politics.</li> </ul>
		<ul style="list-style-type: none"> <li>• Students enable to analyze importance of International relation and politics in process of nation progress.</li> </ul>
<b>T.Y.B.A.</b> SKILL ENHAN CEMEN T COURSE	Sanyukta Maharashtra Movement Course Code: SEC 2C Choice Based Credit System (CBCS)(2019 Pattern) Semester-V, <b>Course Code:35</b> Semester-VI <b>Course Code:35</b> (Revised Syllabus implemented from the academic year 2021- 2022)	<ul style="list-style-type: none"> <li>• Students enable to appreciate the foreign policy their determinants features &amp; its relevance.</li> </ul>
		<ul style="list-style-type: none"> <li>• Students enable to understand political Process Of Maharashtra From historical and Political dimension.</li> </ul>
		<ul style="list-style-type: none"> <li>• Students enable to understand how regional issues effects political process of any states and its importance in political life.</li> </ul>

  
**IQAC CO-ORDINATOR**  
Arts and Commerce College, Khedgaon  
Tal. Dindori, Dist. Nashik-422 205



  
**Dr.D.N.Kare**  
**Principal**  
Arts & Commerce College, Khedgaon,  
Tal. Dindori, Dist. Nashik



## Department of Psychology

Program outcome : B.A. (Psychology)	
1.	PO-1. Develop an understanding of the basic concepts in Psychology.
2.	PO-2. Understand various psychological disorders, classify them and know the treatment.
3.	PO-3. Know characteristic features of the human developmental stages.
4.	PO-4. To develop a sense of responsibility of one's own actions as a part of society at large.
5.	PO-5. Help the youth to make better adjustment in life and inculcating the same in the members of society.
6.	PO-6. Develop listening skills and empathy with others.
7.	
Program Specific outcome : B.A. (Psychology)	
1.	PSO-1. Gain the knowledge of psychological concepts through theory and practical.
2.	PSO-2. To explain the developmental milestones of humans.
3.	PSO-3. Identify and classify the psychological disorders.
4.	PSO-4. Determine the level of mental disorder and suggest treatment.
5.	PSO-5. Develop healthy relations with the people in the society.
6.	PSO-6. Develop a sense of scientific inquiry in the psychological problem and develop research design.
7.	PSO-7. Administer psychological tests and interpret results.
8.	PSO-8. Conduct experiments under controlled conditions to test a psychological phenomenon or theory.

  
**IQAC CO-ORDINATOR**  
 Arts and Commerce College, Khedgaon  
 Tal. Dindori, Dist. Nashik-422 205



  
**Dr.D.N.Kare**  
**Principal**  
 Arts & Commerce College, Khedgaon,  
 Tal. Dindori, Dist. Nashik

**Department of Psychology**  
**Course Outcomes of BA (Psychology)**

Class	Course title	Outcome
<b>FYBA(Sem.I)</b>	Foundations of Psychology	CO-1. Describes the basic principles of psychology. CO-2. Differentiates the historical trends in psychology and the theoretical perspectives. CO-3. Solves personal day to day problems related to him on his own. CO-4. Applies the principles learnt in perception, learning and memory.
<b>FYBA(Sem.II)</b>	Social Psychology	CO-1. Understands the basic concepts, theories and applications of Social Psychology. CO-2. Mingles in a healthy manner in groups. CO-3. Develops healthy close relationships with peers and others in society. CO-4. Displays pro social behavior in society.
<b>SYBA</b>	Psychology of Abnormal Behavior-I	CO-1. Acquires knowledge about the symptoms, diagnostic criteria, and causes of various psychological disorders. CO-2. Examines multiple probable causes and correlates of behaviour. CO-3. Understands limitations, and implications of diagnosis and classification of psychological diseases. CO-4. Creates awareness about mental health problems in society.
<b>SYBA</b>	Developmental Psychology	CO-1. Understands the importance, characteristics, and concern in lifespan development. CO-2. Understands biological, cognitive, and socio-emotional processes. CO-3. Understands the periods of development, the significance of age, and discuss developmental issues. CO-4. Understands Psychoanalytic, Cognitive, Behavioural and Social Cognitive, Ethological, Ecological, and Eclectic theories of development. CO-5. Understands methods of data collection and research designs used in lifespan development research.
<b>SYBA</b>	Health Psychology	CO-1. Understands health psychology and arrive at the introduction to the role of psychology in health. CO-2. Understands the nature of stress and coping. CO-3. Understands various factors related to health and diseases. CO-4. Understands quality of life and promotes good health.
<b>SYBA</b>	Psychology of Abnormal Behavior-II	CO-1. Learns descriptions, and theories underlying diagnostic nosology of psychiatric disorders. CO-2. Learns and understandsthe benefits, critiques, limitations, and implications of diagnosis and classification. CO-3. Acquires knowledge about the symptoms, diagnostic criteria, and causes of various psychological

		disorders. CO-4. Examine multiple probable causes and correlates of behaviour. CO-5. Creates awareness about mental health problems in society.
<b>SYBA</b>	Theories of Personality	CO-1. Understands the concept of personality with various theories of personality on the basis of personality psychology. CO-2. Understands different frameworks and theoretical aspects of personality. CO-3. Understands and observes, interprets individual differences in behaviour in the light of sound theoretical systems of personality. CO-4. Understands comprehensive overview of the major theories of personality
<b>SYBA</b>	Positive Psychology	CO-1. Understands how positive psychology is the science of happiness, human strengths, positive aspects of human behavior, and 'psychology of well-being.' CO-2. Understands how we lead our lives, find happiness and satisfaction, and face life's challenges. CO-3. Understands how positive psychology has become an evolving mosaic of research and theory from many different areas of psychology.
<b>TYBA</b>	Industrial and Organizational Psychology	CO-1. Describes the emergence of Industrial and Organizational Psychology. CO-2. Understands the work done in Industrial and Organizational Sector. CO-3. Becomes aware of the significance of training, performance appraisal, and leadership models. CO- 4. Creates awareness of the importance of Engineering Psychology.
<b>TYBA</b>	Scientific research and experimental Psychology	CO-1. Understands the basic concepts of experimental psychology and research methodology. CO-2. Asks questions related to human behavior. CO-3. Formulates research hypotheses and identifies variables related to the research. CO-4. Applies the basic steps in scientific research. CO-5. Knows the basic information about test-administration and scoring, and interpretation of the obtained results.
<b>TYBA</b>	Psychology practical: test and experiments	CO-1. Applies elementary statistical techniques to analyze data. CO-2. Administers psychological tests, scores and interprets the results. CO-3. Conducts basic psychological experiments, CO-4. Undertakes an independent small-scale research project.

  
**IQAC CO-ORDINATOR**  
 Arts and Commerce College, Khedgaon  
 Tal. Dindori, Dist. Nashik-422 205




  
**Dr.D.N.Kare**  
**Principal**  
 Arts & Commerce College, Khedgaon,  
 Tal. Dindori, Dist. Nashik


## Department of English

Sr. No.	Course (Subject)	Pattern	Course Outcomes (New Syllabus)
	F.Y.B.A.		After completion of this course students should be able to:
<b>1</b>	Compulsory English Semester –I (11001) Semester –II (12001)	2019 Pattern	CO1- Identify various types of vocabulary CO2- Recognize the themes of each lesson CO3- Recite lines from poems CO4- Summarize a poem CO5- Describe various characters of a short story CO6- Apply the knowledge of language in day-to-day Conversation
	F.Y.B.A.		After completion of this course students should be able to:
<b>2</b>	Optional English Semester –I (11331) Semester –II (11332)	2019 Pattern	CO1- Identify various genres of literature CO2- Interpret poems and discuss the literary devices used in the Poem CO3- Evaluate short story as a genre of literature CO4- Analyze and criticize prose lessons CO5- Define different functions of language as a means of Communication CO6- Analyze the sound system of English language
	S.Y.B.A.		After completion of this course students should be able to:
<b>3</b>	<b>Compulsory English Semester –III (23001) Semester –IV (24001)</b>	<b>2019 Pattern</b>	<b>CO1-</b> Describe and give examples of different types of characters, situations and values of life <b>CO2-</b> Summarize prose and poetic pieces for better comprehension <b>CO3-</b> Demonstrate competence in usage of language in day to day life <b>CO4-</b> Classify and transform different types of sentences and apply vocabulary in communication <b>CO5-</b> Compose and draft letters, paragraphs and reports

	<b>F.Y.B.Com.</b>		After completion of this course students should be able to:
<b>4</b>	<b>Compulsory English Semester –I (111) Semester –II (121)</b>	<b>2019 Pattern</b>	<b>CO1-</b> Define communicative use of language in Indian Context <b>CO2-</b> Summarize prose and poetic pieces for better comprehension <b>CO3-</b> Understand the idea of varied cultural experience <b>CO4-</b> Compose and draft letters, paragraphs and reports <b>CO5-</b> Compose Resume and E-mails

  
**IQAC CO-ORDINATOR**  
 Arts and Commerce College, Khedgaon  
 Tal. Dindori, Dist. Nashik-422 205



  
**Dr.D.N.Kare**  
**Principal**  
 Arts & Commerce College, Khedgaon,  
 Tal. Dindori, Dist. Nashik

## Department of Geography

### Program Outcomes

<p>Program: (B.A. in Geography): After completing the B.A in Geography degree, students are able to</p>	<p style="color: green;">Program Outcomes</p>
	Demonstrate knowledge of physical and cultural features of the Earth and locate them on a map.
	Understand the basic disciplines of Geography and its sub-branches
	Familiarize yourself with basic concepts and terminologies used in Geography, such as the interior of the Earth, plate tectonics, sea floor spreading, population growth, disasters, and the composition and structure of the atmosphere and hydrosphere.
	Differentiate between minerals and rocks, weather and climate, basic industries, and farming
	Gain information about the causes and effects of local, national, and international problems like global warming, acid rain, ozone depletion, soil degradation, and deforestation.
	Conduct surveying and learn the art of mapmaking, preparing maps for specific areas using surveying techniques.
	Acquire knowledge of quantitative methods and use statistical and cartographical methods to solve geographical problems. Construct various types of projections and scales as required for study.
	Apply statistical formulas to analyze data.
Interpret topographical and weather maps.	

  
**IQAC CO-ORDINATOR**  
 Arts and Commerce College, Khedgaon  
 Tal. Dindori, Dist. Nashik-422 205



  
**Dr.D.N.Kare**  
**Principal**  
 Arts & Commerce College, Khedgaon,  
 Tal. Dindori, Dist. Nashik



## Department of Geography

### Program Specific Outcomes

Program:	PSO. No.	Program Specific Outcomes
B.A. in Geography	1	Learn about the formation of landforms and identify various landforms.
	2	Understand various economic activities of humans and their spatial-temporal distribution.
	3	Acquire knowledge of basic surveying and map-making. Explore disasters, their causes, and disaster management.
	4	Gain insights into the geographical, socio-economic, and political background of India.
	5	Apply geographical knowledge in daily life, such as being alert about disasters and weather data.

  
**IQAC CO-ORDINATOR**  
Arts and Commerce College, Khedgaon  
Tal. Dindori, Dist. Nashik-422 205



  
**Dr.D.N.Kare**  
**Principal**  
Arts & Commerce College, Khedgaon,  
Tal. Dindori, Dist. Nashik

## Course Outcomes

Class	Course Name	Course Outcomes
FYBA Geography (G1)	Physical Geography Course Code:11201 Sem:I <sup>st</sup> (C.B.C.S. Pattern 2019)	<ul style="list-style-type: none"> <li>Students Enable to Understand the effect of rotation and revolution of the Earth. Know the internal and interior structure of the Earth. Study the formation of rocks.</li> </ul>
	Human Geography Course Code:12201 Sem:2 <sup>nd</sup> (C.B.C.S. Pattern 2019)	<ul style="list-style-type: none"> <li>Students Enable to Understand the work of internal and external forces and their associated landforms.</li> </ul>
		<ul style="list-style-type: none"> <li>Students Enable to Explore the man-environment relationship and related activities.</li> </ul>
SYBA Geography: (G2)	Environmental Geography I Course Code: CC 1C 23204 Sem: 3 <sup>rd</sup> (C.B.C.S. Pattern 2020)	<ul style="list-style-type: none"> <li>Students enable to Prepare for a career addressing complex environmental issues from an interdisciplinary perspective.</li> </ul>
	Environmental Geography II Course Code: CC 1C 24204 Sem: 4 <sup>th</sup> (C.B.C.S. Pattern 2020)	<ul style="list-style-type: none"> <li>To acquire information about climatic, earth's, anthropogenic movement and the environment changes.</li> <li>The students improved their role in environment</li> </ul>
SYBA Geography: (S1)	Geography of Maharashtra I Course Code:DSE – 1A 23201 Sem: 3 <sup>rd</sup> (C.B.C.S. Pattern 2020)	<ul style="list-style-type: none"> <li>Describe the administrative divisions in details as well drainage system, climatic regions, drought prone regions, flood areas etc.</li> <li>Study the different elements of physical geography of Maharashtra</li> </ul>

	<p><b>Geography of Maharashtra II</b>  <b>Course Code:DSE – 1B</b>  <b>24201,23161</b>  <b>Sem: 4<sup>th</sup></b>  <b>(C.B.C.S. Pattern 2020)</b></p>	<ul style="list-style-type: none"> <li>• Identify key about historical, Political background of Maharashtra.</li> <li>• Details in Maharashtra’s agricultural land, different crops, industrial area and their importance, population, settlements, Tourism and urbanization</li> </ul>
<p><b>SYBA</b>  <b>Geography: (S2)</b></p>	<p><b>Practical Geography – I</b>  <b>(Scale and Map</b>  <b>Projections)</b>  <b>: DSE-1A 23203</b>  <b>Sem: 3<sup>rd</sup></b>  <b>(C.B.C.S. Pattern 2020)</b></p>	<ul style="list-style-type: none"> <li>• The Student Understand and prepare different kinds of maps</li> <li>• Recognize basic themes of map making.</li> </ul>
	<p><b>Practical Geography – II</b>  <b>(Cartographic Techniques,</b>  <b>Surveying and Excursion /</b>  <b>Village / Project Report):</b>  <b>DSE-2B 24203</b>  <b>Sem: 4<sup>th</sup></b>  <b>(C.B.C.S. Pattern 2020)</b></p>	<ul style="list-style-type: none"> <li>• Development of observation skills.</li> </ul>
<p><b>SKILL</b>  <b>ENHANCEMENT</b>  <b>COURSE</b></p>	<p><b>Introduction to</b>  <b>Geographical Information</b>  <b>System (GIS)</b>  <b>Course Code: SEC-A</b>  <b>23205</b></p>	<ul style="list-style-type: none"> <li>• Educate students in Geographic Information Systems (GIS) for data analysis and problem-solving.</li> <li>• Students Identify, analyze, and solve geospatial problems.</li> </ul>

	<p><b>Introduction to Remote Sensing</b>  <b>Course Code:SEC-B24205</b></p>	
<p><b>TYBA</b>  <b>Geography: (G3)</b></p>	<p><b>Geography of Disaster Management-I</b>  <b>Course Code:</b>  <b>CC-1E</b>  <b>Sem: 5<sup>th</sup></b>  <b>(C.B.C.S. Pattern 2021)</b></p>	<ul style="list-style-type: none"> <li>The Student Understand the nature of hazards and disasters.</li> </ul>
	<p><b>Geography of Disaster Management-II</b>  <b>Course Code:</b>  <b>CC-1F</b>  <b>Sem: 6<sup>th</sup></b>  <b>(C.B.C.S. Pattern 2021)</b></p>	<ul style="list-style-type: none"> <li>Assess risk, perception and vulnerability with respect to hazards.</li> </ul>
		<ul style="list-style-type: none"> <li>Students will be able to demonstrate the ability to choose methods appropriate to research objectives.</li> </ul>
		<ul style="list-style-type: none"> <li>Students who complete this course will be able to understand and comprehend the basics in research methodology and applying them in research/ project work.</li> </ul>

  
**IQAC CO-ORDINATOR**  
 Arts and Commerce College, Khedgaon  
 Tal. Dindori, Dist. Nashik-422 205



  
**Dr.D.N.Kare**  
**Principal**  
 Arts & Commerce College, Khedgaon,  
 Tal. Dindori, Dist. Nashik

**Programmed Bachelor of Commerce degree (B.Com)**  
**Department Of Commerce**

<b>Programme</b>	<b>PROGRAM OUTCOMES (POs)</b>
<p><b>Bachelor of Commerce Degree (B.COM)</b></p> <p>After completing the B.COM degree, students are able to-</p>	<b>PO-1.</b> To develops fundamental knowledge of Accountancy, Auditing & Taxation, Finance, Marketing & provide innovation solutions to problems in business.
	<b>PO-2.</b> To encourages the students for higher studies & research in commerce.
	<b>PO-3.</b> To develop ability to work at individual level.
	<b>PO-4.</b> Students able to communicate their ideas with industry effectively & efficiently.
	<b>PO-5.</b> Be able to integrate latest technology & apply it.
	<b>PO-6.</b> The programme boosts the organizational skill of students and further development of overall personality development skills as per the need of society.
	<b>PO-7.</b> To development of bargaining power amongst the students, this makes them to become good buyer.
	<b>PO-8.</b> Apply their mathematical and statistical skills essential for analysis of a range of problems in economics, accounting, marketing, actuarial studies, finance and management.
	<b>PO-9.</b> Critically evaluates theoretical frameworks, new ideas, research findings in their specialized field of study.
	<b>PO-10.</b> Demonstrate knowledge of theories, concepts and findings of the faculty specialization.
	<b>PO-11.</b> To cultivate in students virtues of commerce professionals to effectively contribute to need of society.
	<b>PO-12.</b> To develops understanding of law and management functions for leadership qualities as well as integrate business systems.

	<b>PO-13.</b> To handles information technology & Accounting tools in decision making.
	<b>PO-14.</b> The programme is useful to develop the awareness of business law to start new business after their graduation.
	<b>PO-15.</b> To inculcates writing skills and Business correspondence.
	<b>PO-16.</b> To create awareness of Law and Legislations related to commerce and business.
	<b>PO-17.</b> To introduce recent trends in Business, Organizations and Industries.
	<b>PO-18.</b> To acquire practical skill related with banking and other business.
	<b>PO-19.</b> To provide a platform for overall development of students and develop knowledge level and awareness of students about recent trends of the World.

  
**IQAC CO-ORDINATOR**  
 Arts and Commerce College, Khedgaon  
 Tal. Dindori, Dist. Nashik-422 205



  
**Dr.D.N.Kare**  
**Principal**  
 Arts & Commerce College, Khedgaon,  
 Tal. Dindori, Dist. Nashik



## Department of Commerce

Programme	PROGRAM SPECIFIC OUTCOMES (PSOs)
<p>Bachelor of Commerce Degree (B.COM)</p> <p>After completing the B.COM degree, students are able to...</p>	<p><b>PSO-1.</b> This programme could provide well trained professionals for the Industry &amp; Banking Section, Insurance Companies, Financing Companies, Transport Agencies and Warehousing etc. to meet the well trained manpower requirements.</p>
	<p><b>PSO-2.</b> To highlight the trends and challenges faced by nations in a challenging global environment</p>
	<p><b>PSO-3.</b> The students should process the knowledge, skill and attitudes during the end of the B.Com degree course by virtue of the training, they can become Manager, Accountant, Cost Accountant, Bank Manager, Auditor, Company Secretary, Teacher, Professor, Stock Agents &amp; servant of public &amp; private jobs, etc.</p>
	<p><b>PSO-4.</b> Ability to develop awareness on the various new developments in the different sectors of an economy - Agriculture, industry, services, banking, etc</p>
	<p><b>PSO-5.</b> The graduates will get hands on experiences in various aspects acquiring skills for Marketing Manager, Selling Manager &amp; Overall Administration abilities of the company.</p>

  
**IQAC CO-ORDINATOR**  
 Arts and Commerce College, Khedgaon  
 Tal. Dindori, Dist. Nashik-422 205



  
**Dr.D.N.Kare**  
**Principal**  
 Arts & Commerce College, Khedgaon,  
 Tal. Dindori, Dist. Nashik

**Department of Commerce**  
**Course Outcomes (COs) of Bachelor of Commerce (B.Com.)**

Class	Course	Course outcomes
<b>F.Y.B.COM</b>  <b>(After completing the Course, students are able to.....)</b>	<b>Financial Accounting-I,II</b>  Semester –I (112) Semester –II (122) CBCS 2019 Pattern (To be implement from 2019-20)	CO-1: To impart knowledge of basic accounting concepts
		CO-2: To create awareness about application of these concepts in business world
		CO-3: To impart skills regarding Computerized Accounting
		CO-4: To impart knowledge regarding finalization of accounts of various establishments.
		Co -5 To understand the techniques and concept of different types of index numbers.
	<b>Mathematics &amp; Statistics-I,II</b>  Semester –I 114 (A) Semester –II 124(A) CBCS 2019 Pattern (To be implement from 2019-20)	CO-1: To introduce the basic concepts in Finance and Business Mathematics and Statistics
		CO-2: To familiar the students with applications of Statistics and Mathematics in Business
		CO-3: To acquaint students with some basic concepts in Statistics.
		CO-4: To learn some elementary statistical methods for analysis of data.
		CO-5: the students are able to analyze the data by using some elementary statistical methods
	<b>Organizational Skill Development-I,II.</b>  Semester –I (115) Semester –II (125)  CBCS 2019 Pattern (To be implement from 2019-20)	CO-1: To introduce the students to the emerging changes in the modern office environment
		CO-2: To develop the conceptual , analytical , technical and managerial skills of students efficient office organization and records management
		CO-3: To develop the organizational skills of students
		CO-4: To develop Technical skills among the students for designing and developing effective means to manage records , consistency and efficiency of work flow in the administrative section of an organisation
		CO-5: To develop employability skills among the students
	<b>Marketing &amp; Salesmanship-I, II.</b>  Semester –I (116) Semester –II (126)	CO-1: To introduce the basic concepts in Marketing.
CO-2: To give the insight of the basic knowledge of Market Segmentation and Marketing Mix		
CO-3: To impart knowledge on Product and Price Mix.		
CO-4: To establish link between commerce, business and marketing.		

	CBCS 2019 Pattern (To be implement from 2019-20)	CO-5: To understand the segmentation of markets and Marketing Mix. CO-6: To enable students to apply this knowledge in practicality by enhancing their skills in the field of Marketing.
<b>S.Y.B.COM</b>  (After completing the Course, students are able to.....)	<b>Business Communication-I,II.</b> Semester –III (231) Semester –IV (241)  CBCS 2019 Pattern (To be implement from 2020-21)	CO-1: To understand the concept, process and importance of communication.
		CO-2: To acquire and develop good communication skills requisite for business correspondence.
		CO-3: To develop awareness regarding new trends in business communication.
		CO-4: To provide knowledge of various media of communication.
		CO-5: To develop business communication skills through the application and exercises.
	<b>Corporate Accounting-I,II</b> Semester –III (232) Semester –IV (242) CBCS 2019 Pattern (To be implement from 2020-21)	CO-1: To acquaint the student with knowledge about various Concepts , Objectives and applicability of some important accounting standards associated with to corporate accounting.
		CO-2: To develop understanding among the students on the difference between commencement and incorporation of a company and the accounting treatment for transactions during the two phases.
		CO-3: To update the students with knowledge for preparation of final accounts of a company as per Schedule III of the Companies Act 2013
		CO-4: To empower to students with skills to interpret the financial statements in simple and summarized manner for effective decision making process.
		CO-5: To empower to students with skills to interpret the financial statements in simple and summarized manner for effective decision making process.
		CO-6: To update the students with knowledge for preparation of final accounts of a company as per Schedule III of the Companies Act 2013
		<b>Business Management-I,II</b> Semester –III (234) Semester –IV (244)
CO-2: To help the students to develop cognizance of the importance of management principles.		

<p>CBCS 2019 Pattern (To be implement from 2020-21)</p>	CO-3: To provide an understanding about various functions of management.	
	CO-4: To provide them tools and techniques to be used in the performance of the managerial job.	
	<p><b>Elements of Company Law-I,II</b> Semester –III (235) Semester –IV (245) CBCS 2019 Pattern (To be implement from 2020-21)</p>	CO-1: To develop general awareness of Elements of Company Law among the students.
	CO-2: To understand the Companies Act 2013 and its provisions.	
	CO-3: To have a comprehensive understanding about the existing law on formation of new company in India.	
	CO-4: To create awareness among the students about legal environment relating to the company law.	
	CO-5: To acquaint the students on e-commerce, E governance and e-filing mechanism relating to Companies.	
CO-6: To enhance capacity of learners to seek the career opportunity in corporate sector.		
<p><b>Marketing Management-I,II</b> Semester –III (236H) Semester –IV (246H) CBCS 2019 Pattern (To be implement from 2020-21)</p>	CO-1: To introduce the concept of Marketing Management.	
	CO-2: To give the students the basic knowledge of Marketing Management to be a successful modern marketer.	
	CO-3: To inculcate knowledge of various aspects of marketing management through practical approach.	
	CO-4: To interpret the issues in marketing and their solutions by using relevant theories of marketing management.	
	<p><b>Business Administration-I</b> Semester –III (236A) Semester –IV (246A) CBCS 2019 Pattern (To be implement</p>	CO-1: To provide basic knowledge about various forms of business organizations
	CO-2: To acquaint the students about business environment and its implications thereon.	
	CO-3: To make them aware about the recent trends in business.	


	from 2020-21)	
<b>T.Y.B.COM</b> (After completing the B.COM degree, students are able to.....)	<b>Business Regulatory Framework (Mercantile Law)</b> CBCS 2019 Pattern (To be implement from 2021-22)	Co-1 Knowledge on the basic concepts, terms & provisions of mercantile and business laws.
		Co-2 Awareness among the students laws affecting business, trade and commerce.
		Co -3 The student will well verse in basic provisions regarding legal frame work governing the business world.
		Co -4 To know the students with the basic concepts, terms & provisions of mercantile and business laws.
		Co -5 To develop the awareness among the students regarding these laws affecting trade business, and commerce.
	<b>Advanced Accounting</b> CBCS 2019 Pattern (To be implement from 2021-22)	Co -1 Knowledge of various accounting concepts with regards to maintaining accounts of banking companies, cooperative societies (consumer and credit), independent branches & incomplete records.
		Co-2 Knowledge about accounting procedures, methods and techniques.
		Co-3 Practical approach to accounts writing by using tally.
		Co-4 Application of ratio analysis for decision making.
		Co -5 To provide the knowledge of various accounting concepts.
		Co -6 To impart the knowledge about accounting methods, procedures and techniques.
	<b>Auditing &amp; Taxation</b> A) Auditing CBCS 2019 Pattern (To be implement from 2021-22)	Co -1 Conceptual clarification, principles of concepts in auditing to know planning of audit work.
		Co -2 Obtained knowledge of preparing planning audit programme, checking & vouching, verification, valuation which helps in performing audit work.
		Co-3 Obtained legal knowledge of conditions for auditor.
		Co-4 Obtained knowledge about scope of tax audit, work to be performed.
		Co -5 Obtained knowledge about how to work in edp environment, obtained information about computerized system .prepared students self confident& employable.
	<b>B) Taxation</b> CBCS 2019 Pattern (To be implement from 2021-22)	Co-1 Students understand the scope of income tax act. , basic concept important features.
		Co-2 Learn about computation of taxable income under different heads with deductions available.
Co-3 Learn how to compute gross total income, deduction available & tax liability.		

		Co -4 Knowledge about filling of income tax returns & tax payments.
		Co -5 Knowledge about administration of income tax department various authorities involved .study of this subject result into self employability among the students as tax planner or consultant increases self employability among the students.
	<b>Marketing Management - II</b>	Co-1 To study and critically analyze the relevant concept in marketing.
		Co-2 To give the students elementary knowledge of the subject.
		Co-3 To equip the students to analyze marketing situations and understand their implications.
		Co-4 To enable the students to become better & more aware consumer.
		Co -5 To familiarize to student with the current concepts & trends in marketing.
	<b>Marketing Management - III</b>	Co-1 To enable the students to get a better understanding of advertising and brand marketing.
		Co -2 To equip the students to analyze marketing situations and understand their implications.
		Co-3 To enable the students to become better & more aware consumer.
		Co -4 To familiarize to student with the current concepts & trends in marketing.
		Co -5 To enable students to take up advertising as career.
	<b>Business Administration-II</b>	Co-1 To enable students to understand the sole proprietorship, partnership firm, limited liability partnership, joint venture, joint stock company, cooperative- features, merits and limitations in the business organization form.
		Co -2 To enable students to understand the meaning of business environment as well as the economic, international, social, legal, cultural, educational, political, technical and natural aspects of the business environment.
		Co -3 Students to gain a better understanding of creative and imaginative skills innovation.
		Co -4 To enable students to understand the factors affecting promotion, location and size, current trends in location, size business unit as well as the role of government in the promotion of SEZs.

		Co -5 To enable students to understand further elements of legal matters. Compliance with legal requirements to promote business unit, license, Registration, filing of returns and other documents. Important legal provisions Promotion and establishment of unit etc.
		Co -6 To enable students to understand the recent trends in business management: liberalization, privatization, globalization. Meaning, concept - complexity and consequences, SEZ, BPO, KPO and LPO. Public private partnership.
	<b>Business Administration-III</b> CBCS 2019 Pattern (To be implement from 2021-22)	Co -1 To enable students to understand the need and importance of finance in a modern business organization as well as to enable students to understand finance functions, objectives of financial management, functions.
		Co -2 To enable students to do financial planning by explaining the importance, benefits and limitations of financial planning.
		Co -3 Analytical skills, decision making skills, technical skills, to build these skills in the student.
		Co-4 To enable students to understand the factors that affects the method of capital structure. To enable students to design and capitalize capital.
		Co -5 To enable students to manage production by understanding the definition, functions and responsibilities of production management.
		Co -6 To enable students to manage inventory

  
**IQAC CO-ORDINATOR**  
 Arts and Commerce College, Khedgaon  
 Tal. Dindori, Dist. Nashik-422 205



  
**Dr.D.N.Kare**  
**Principal**  
 Arts & Commerce College, Khedgaon,  
 Tal. Dindori, Dist. Nashik

**Maratha Vidya Prasarak Samaj's,  
Arts, Commerce And Science College Khedgaon.**

**Tal-Dindori Dist –Nashik  
Department Of Chemistry**

**Learning outcomes of the course**

**SEMESTER-I**

**CH- 101: Physical Chemistry**

**Learning Outcome**

**1. Chemical Energetics**

1. Students will be able to apply thermodynamic principles to physical and chemical process
2. Calculations of enthalpy , Bond energy, Bond dissociation energy , resonance energy
3. Variation of enthalpy with temperature –Kirchoff's equation
4. Third law of thermodynamic and its applications

**2. Chemical Equilibrium**

Knowledge of Chemical equilibrium will make students to understand

1. Relation between Free energy and equilibrium and factors affecting on equilibrium constant.
2. Exergonic and endergonic reaction
3. Gas equilibrium, equilibrium constant and molecular interpretation of equilibrium constant
4. Van't Haff equation and its application

**3. Ionic equilibria**

1. Concept to ionization process occurred in acids, bases and pH scale
2. Related concepts such as Common ion effect hydrolysis constant, ionic product, solubility product
3. Degree of hydrolysis and pH for different salts , buffer solutions

**CH- 102: Organic Chemistry**

**Learning Outcome**

1. The students are expected to understand the fundamentals, principles, and recent developments in the subject area.



2. It is expected to inspire and boost interest of the students towards chemistry as themain subject.
3. To familiarize with current and recent developments in Chemistry.
4. To create foundation for research and development in Chemistry.

### **CH- 103: Chemistry Practical Course I**

#### **Learning Outcome**

1. Importance of chemical safety and Lab safety while performing experiments in laboratory
2. Determination of thermochemical parameters and related concepts
3. Techniques of pH measurements
4. Preparation of buffer solutions
5. Elemental analysis of organic compounds (non instrumental)
6. Chromatographic Techniques for separation of constituents of mixtures

## **SEMESTER-II**

### **CH-201: Inorganic Chemistry**

#### **Learning Outcome**

##### **1. Atomic Structure**

1. Various theories and principles applied to reveal atomic structure
2. Origin of quantum mechanics and its need to understand structure of hydrogen atom
3. Schrodinger equation for hydrogen atom
4. Radial and angular part of hydrogenic wave functions
5. Significance of quantum numbers
6. Shapes of orbitals

##### **2. Periodicity of Elements**

1. Explain rules for filling electrons in various orbitals- Aufbau's principle, Pauli exclusion principle, Hund's rule of maximum multiplicity
2. Discuss electronic configuration of an atom and anomalous electronic configurations.
3. Describe stability of half-filled and completely filled orbitals.
4. Discuss concept of exchange energy and relative energies of atomic orbitals
5. Design Skeleton of long form of periodic table.
6. Describe Block, group, modern periodic law and periodicity.

7. Classification of elements as main group, transition and inner transition elements
8. Write name, symbol, electronic configuration, trends and properties.
9. Explain periodicity in the following properties in details:
  - a. Effective nuclear charge, shielding or screening effect; some numerical problems.
  - b. Atomic and ionic size.
  - c. Crystal and covalent radii
  - d. Ionization energies
  - e. Electronegativity- definition, trend, Pauling electronegativity scale.
  - f. Oxidation state of elements

### **3. Chemical Bonding**

1. Attainment of stable electronic configurations.
2. Define various types of chemical bonds- Ionic, covalent, coordinate and metallic bond
3. Explain characteristics of ionic bond, types of ions, energy consideration in ionic bonding, lattice and solvation energy and their importance in the context of stability and solubility of ionic compounds
4. Summarize Born-Landé equation and Born-Haber cycle,
5. Define Fajan's rule, bond moment, dipole moment and percent ionic character.

## **CH- 202: Analytical Chemistry**

### **Learning Outcomes**

#### **1. Introduction to Analytical Chemistry**

- i. Analytical Chemistry –branch of chemistry
- ii. Perspectives of analytical Chemistry
- iii. analytical problems

#### **2. Calculations used in Analytical Chemistry**

- i. Calculations of mole, molar concentrations and various units of concentrations which will be helpful for preparation of solution
- ii. Relation between molecular formula and empirical formula
- iii. Stoichiometric calculation
- iv. Define term mole, millimole, molar concentration, molar equilibrium concentration and Percent Concentration.

- v. SI units, distinction between mass and weight
- vi. Units such as parts per million, parts per billion, parts per thousand, solution-dilutant volume ratio, function density and specific gravity of solutions.

### **3 Qualitative Analysis of Organic Compounds**

Basics of type determination, characteristic tests and classifications, reactions of different functional

groups.

- i. Separation of binary mixtures and analysis
- ii. Elemental analysis -Detection of nitrogen, sulfur, halogen and phosphorous by Lassaigne's test.
- iii. Purification techniques for organic compounds.

### **4. Chromatographic Techniques – Paper and Thin layer Chromatography**

- i. Basics of chromatography and types of chromatography
- ii. Theoretical background for Paper and Thin Layer Chromatography

### **5. pH metry**

- i. pH meter and electrodes for pH measurement
- ii. Measurement of pH
- iii. Working of pH meter
- iv. Applications of pH meter

## **CH- 203: Chemistry Practical –II**

### **Learning Outcome**

1. Inorganic Estimations using volumetric analysis
2. Synthesis of Inorganic compounds
3. Analysis of commercial products
4. Purification of organic compounds
5. Preparations and mechanism of reactions involved

### **Course Outcome**

#### **CH- 101: Physical Chemistry**

After completing the course work learner will be acquired with knowledge of chemical energetics,

Chemical equilibrium and ionic equilibria.

#### **CH- 102: Organic Chemistry**

Students will learn Fundamentals of organic chemistry, stereochemistry (Conformations, configurations and nomenclatures) and functional group approach for aliphatic hydrocarbons.

### **CH- 201: Inorganic Chemistry**

Students will learn quantum mechanical approach to atomic structure, Periodicity of elements, various theories for chemical bonding.

### **CH-202: Analytical Chemistry**

Students will know about basics of analytical chemistry, some techniques of analysis and able to do calculations essential for analysis.

### **Lab Course CH 103 and CH-203**

1. The practical course is in relevance to the theory courses to improve the Understanding of the concepts.
2. It would help in development of practical skills of the students.
3. Use of microscale techniques wherever required



**IQAC CO-ORDINATOR**  
Arts and Commerce College, Khedgaon  
Tal. Dindori, Dist. Nashik-422 205



**Dr.D.N.Kare**  
**Principal**  
Arts & Commerce College, Khedgaon,  
Tal. Dindori, Dist. Nashik

Maratha Vidya Prasarak Samaj's,  
**Arts,Commerce And Science College Khedgaon.**

Tal-Dindori Dist –Nashik

**Department Of Zoology**

**Learning outcomes of the course**

- 1.The learners will be able to identify and critically evaluate their own beliefs, values and actions in relation to professional and societal standards of ethics and its impact on ecosystem and biosphere due to the dynamics in population.
- 2.To understand anticipate, analyse and evaluate natural resource issues and act on a lifestyle that conserves nature.
- 3.The Learner understands and appreciates the diversity of ecosystems and applies beyond the syllabi to understand the local lifestyle and problems of the community
- 4.The learner will be able to link the intricacies of food chains, food webs and link it with human life for its betterment and for non-exploitation of the biotic and abiotic components.
- 5.The working in nature to save environment will help development of leadership skills to promote betterment of environment
- 6.The student will be able to understand classify and identify the diversity of animals.
- 7.The student understands the importance of classification of animals and classifies them effectively using the six levels of classification.
- 8.The student knows his role in nature as a protector, preserver and promoter of life which he has achieved by learning, observing and understanding life.

❖ **Learning outcomes for Cell Biology**

- 1.The learner will understand the importance of cell as a structural and functional unit of life.
- 2.The learner understands and compares between the prokaryotic and eukaryotic system


and extrapolates the life to the aspect of development.

- 3.The dynamism of bio membranes indicates the dynamism of life. Its working mechanism and precision are responsible for our performance in life.

- 4.The cellular mechanisms and its functioning depends on endo-membranes and structures. They are best studied with microscopy.



**IQAC CO-ORDINATOR**  
Arts and Commerce College, Khedgaon  
Tal. Dindori, Dist. Nashik-422 205



**Dr.D.N.Kare**  
**Principal**  
Arts & Commerce College, Khedgaon,  
Tal. Dindori, Dist. Nashik

Maratha Vidya Prasarak samaj's  
**Arts , Commerce and Science College ,Khedgaon**  
 Tal.-Dindori ,Dist.-Nasik  
**Department of Botany**  
 Semester-I Paper-I&II

Program Outcomes (POs) for B.Sc Programme	
PO1	1. Describe the importance of plants: Explain the role of plants in the ecosystem, human life, and the environment.
PO2	2. Identify and classify economic plants: Identify and classify plants of economic importance, such as food plants, medicinal plants, and industrial plants.
PO3	3. Understand plant utilization: Describe the various uses of plants, including food, medicine, shelter, clothing, and industrial products
PO4	4. Explain conservation strategies: Discuss the importance of plant conservation and explain strategies for conserving plant diversity.
PO5	5. Develop skills in plant identification: Develop skills in identifying plants using morphological characteristics and taxonomic keys..
PO6	1. Describe plant morphology: Explain the external structure and organization of plants, including roots, stems, leaves, inflorescences, and flowers.
PO7	2. Understand plant anatomy: Describe the internal structure and organization of plant tissues and organs.
PO8	3. Identify plant tissues and cells: Identify and describe different types of plant tissues and cells using microscopy..
PO9	4. Explain plant developmental anatomy: Describe the developmental changes that occur in plant tissues and organs
PO10	5. Develop skills in plant morphological and anatomical studies: Develop skills in observing, drawing, and describing plant morphology and anatomy.

  
**IQAC CO-ORDINATOR**  
 Arts and Commerce College, Khedgaon  
 Tal. Dindori, Dist. Nashik-422 205



  
**Dr.D.N.Kare**  
**Principal**  
 Arts & Commerce College, Khedgaon,  
 Tal. Dindori, Dist. Nashik

## Semester-II Paper I&II

### Program Outcomes (POs) for B.Sc Programme

PO1	1. Analyze the importance of ethnobotany: Explain the significance of traditional knowledge of plants in human societies.
PO2	2. Describe plant-based industries: Outline the processing, production, and marketing of plant-based products, such as food, beverages, and pharmaceuticals
PO3	3. Understand plant breeding and genetic improvement: Explain the principles and methods of plant breeding, including conventional and modern biotechnological approaches.
PO4	4. Explain environmental impact assessments: Discuss the environmental implications of plant utilization and explain strategies for sustainable plant use.
PO5	5. Develop skills in plant product development: Develop skills in creating value-added plant products, such as herbal remedies, plant-based cosmetics, and food products.
PO6	6. Explain the basic principles of plant biology: Describe the structure, function, growth, and development of plants.
PO7	7. Understand plant cell biology: Explain the structure and function of plant cells, including cell division and cell signaling.
PO8	8. Describe plant metabolism_: Explain the basic principles of plant metabolism, including photosynthesis, respiration, and nutrient uptake.
PO9	9. Understand plant growth and development: Describe the factors influencing plant growth and development, including hormones, light, and temperature.
PO10	10. Develop skills in plant observation and experimentation: Develop skills in observing, recording, and experimenting with plant growth and development.

  
**IQAC CO-ORDINATOR**  
Arts and Commerce College, Khedgaon  
Tal. Dindori, Dist. Nashik-422 205



  
**Dr. D.N. Kare**  
**Principal**  
Arts & Commerce College, Khedgaon,  
Tal. Dindori, Dist. Nashik



**Maratha Vidya Prasarak samaj's  
Arts , Commerce and Science College ,Khedgaon  
Tal.-Dindori ,Dist.-Nasik  
Department of Physics**

**Program Outcomes (POs) for B.Sc Programme**

<b>PO1</b>	<b>Disciplinary Knowledge:</b> Demonstrate comprehensive knowledge of the disciplines that form a part of a graduate programme. Execute strong theoretical and practical understanding generated from the specific graduate programme in the area of work.
<b>PO2</b>	<b>Critical Thinking and Problem solving:</b> Exhibit the skills of analysis, inference, interpretation and problem-solving by observing The situation closely and design the solutions.
<b>PO3</b>	<b>Social competence:</b> Display the understanding ,behavioral skills needed for successful social adaptation, Work in groups, exhibit thoughts and ideas effectively in writing and orally.
<b>PO4</b>	<b>Research-related skills and Scientific temper:</b> Develop the working knowledge and applications of instrumentation and laboratory Techniques. Able to apply skills to design and conduct in dependent experiments, interpret, establish hypothesis and inquisitiveness towards research.
<b>PO5</b>	<b>Trans-disciplinary knowledge:</b> Integrate different discipline stoup lift the domains of cognitive abilities and transcend beyond discipline-specific approaches to address a common problem.
<b>PO6</b>	<b>Personal and professional competence:</b> Performing dependently and also collaboratively as a part of a team to meet defined objectives and carryout work across interdisciplinary

	fields. Execute interpersonal relationships, self-motivation and adaptability skills and commit to professional ethics.
<b>PO7</b>	<b>Effective Citizenship and Ethics:</b> Demonstrate empathetic social concern and equity centered national development, and ability to act with an informed awareness of moral and ethical issues and commit to professional ethics and responsibility.
<b>PO8</b>	<b>Environment and Sustainability:</b> Understand the impact of the scientific solutions in societal and environmental contexts and demonstrate the knowledge of and need for sustainable development.
<b>PO9</b>	<b>Self-directed and Life-long learning:</b> Acquire the ability to engage in independent and life-long learning in the broadest context of socio-technological changes.

  
**IQAC CO-ORDINATOR**  
 Arts and Commerce College, Khedgaon  
 Tal. Dindori, Dist. Nashik-422 205



  
**Dr.D.N.Kare**  
**Principal**  
 Arts & Commerce College, Khedgaon,  
 Tal. Dindori, Dist. Nashik

PSO No.	Program Specific Outcomes(PSOs)
PSO1	<p>Academic competence</p> <ol style="list-style-type: none"> <li>1.Develop and demonstrate an understanding of the concepts related to heat, thermodynamic laws, electric field due to static charge distribution, Newtonian mechanics, wave properties of light, Newtonian mechanics, inertial and non-inertial frames of reference, radioactivity, elementary particles, quark model, physical systems from nano -scale to macroscopic scale, magnetostatics, Maxwell’s equations and plane wave generation and quantum mechanical systems. Associate the fundamental concepts in physics and interpret information.</li> <li>2.Demonstrate independent thinking and scientific temper. Categorize, calculate and solve problems using concepts of physics.</li> </ol>
PSO2	<p>Personal and Professional Competence</p> <ol style="list-style-type: none"> <li>1.Carry out laboratory-oriented numerical calculations and be capable in data visualization and interpretation. Perform, demonstrate and analyze experimental work with suitable techniques in physics to study the phenomena related to light, scientific instruments, material process, electrical and electronics applications.</li> <li>2.Carry out the calculations in classical mechanics, quantum mechanics, mathematical methods and solids with advance techniques using computations and C-programming.</li> <li>3.Analyze experimental results and interpret graphs.</li> <li>4.Formulation of ideas, scientific writing and authentic reporting, effective presentation and communication skills thro group discussion</li> </ol>
PSO3	<p>Research Competence</p> <ol style="list-style-type: none"> <li>1.Apply Physics concepts of thermodynamics, mechanics, wave optics, electronics and nuclear physics in day to day li fe.</li> <li>2.Integrate core concepts studied in materials science, electronics, and optics during experimentations and projects.</li> <li>3.Integrate and explore techniques of synthesis, characterization of different materials and techniques of astronomical data analysis. Cultivate concepts of Measurement techniques in physics and relate physics concepts in day to day life.</li> <li>3.Integrate core physics subjects during experimentation and projects.</li> <li>4.Apply numerical methods to solve various complex physical problems.</li> <li>5.Identify and interpret research literature, formulate ideas, write reports and review articles related to all subjects in physics.</li> </ol>
PSO4	<p>Entrepreneurial and Social competence</p> <ol style="list-style-type: none"> <li>1.Enhance and empower the students with their self-reliance capabilities through the understanding of advance techniques, use of programming language , material processing, mathematical and classical concepts, advancement of electronics ideas</li> </ol>

with reference to advance techniques with their industrial applications.

2. Employ experimental skills in industrial applications.

3. Develop scientific temperament and social awareness through internships and science popularization. Awareness of ethical issues : emphasis on academic and research ethics.

4. Outline the use of renewable sources for sustainable development of human beings.

5. Execute social competence including effective use of computer languages to meet global competencies in technological world.

  
**IQAC CO-ORDINATOR**  
Arts and Commerce College, Khedgaon  
Tal. Dindori, Dist. Nashik-422 205



  
**Dr. D.N. Kare**  
**Principal**  
Arts & Commerce College, Khedgaon,  
Tal. Dindori, Dist. Nashik

**Department of Physics**  
F.Y.B.Sc.Semester I

Title of the Course and Course Code	Mechanics and Properties of matter (PHY111)
	On completion of the course, the students will be able to:
CO1	Identify fundamental principles in mechanics.
CO2	Illustrate Newton's laws of gravitation and Kepler's laws of planetary motion. Explain viscosity of Fluid, law of energy conservation and applications of Bernoulli's theorems with examples.
CO3	Apply the physical principles of moment of inertia in terms of the mass distribution from the rotational axis to various symmetrical bodies.
CO4	Analyze the properties and applications of elasticity with experiments.
CO5	Justify the quantitative problem-solving skills in all the topics covered.
CO6	Develop an intuition towards problems solving and design realistic applications in the physical world.
Title of the Course and Course Code	Physics principles and application (PHY112)
	On completion of the course, the students will be able to:
CO1	Recall and recognize the gradual development of the Atomic theory and distinguish between various atomic models.
CO2	Explain the effect to magnetic field on atomic spectra.
CO3	Solve the problems in Atomic theory.
CO4	Relate atomic theory to analyze spectra.
CO5	Explain concept of Laser fundamentals, pumping mechanism pumping schemes..
CO6	Differentiate the various types of Lasers and the means of excitation
CO7	Compare three level and four level Laser systems.

CO8	Demonstrate potential applications of Lasers.
Title of the Course and Course Code	Physics General Lab –1A (PHY113)
	On completion of the course, the students will be able to:
CO1	Identify various components, devices, instruments and tools for specific applications. Recall the theory associated with each experiment.
CO2	Illustrate skill of proper use of tools and test and measuring instruments.

  
**IQAC CO-ORDINATOR**  
 Arts and Commerce College, Khedgaon  
 Tal. Dindori, Dist. Nashik-422 205



  
**Dr.D.N.Kare**  
**Principal**  
 Arts & Commerce College, Khedgaon,  
 Tal. Dindori, Dist. Nashik

F.Y.B.Sc.Semester II

F.Y.B.Sc.Semester II	
Title of the Course and Course Code	Heat and Thermodynamics (PHY121)
	On completion of the course, the students will be able to:
CO1	Recall the concepts of Thermodynamics.
CO2	Discuss the behavior of real gases.
CO3	Compute the thermodynamic quantities associated with different types of processes.
CO4	Explain the working of heat engine, different types of thermometers. Compare types of heat engines and their working ; temperature scales.
CO5	Determine work done, efficiency of heat engines and coefficient of performance of refrigerators, temperatures using different scales and principles of thermometers.
CO6	Specify the different types of thermodynamic processes in daily life.
Title of the Course and Course Code	Electricity and Magnetism (PHY122)
	On completion of the course, the students will be able to:
CO1	Recall the concepts associated with stationary charges.
CO2	Discuss the atomic view of polarization of matter. Explain the correlation in electricity and magnetism.
CO3	Compute the boundary conditions and calculate quantities like current, voltage , power, phase, impedance, etc in DC and AC circuits.
CO4	Classify the phase relations in AC circuits.
CO5	Compare the growth and decay of current in DC circuits.
CO6	Write the phase relations between different parameters (like current, voltage, power and impedance)in simple electronic circuits comprising of resistors, inductors and capacitors.

Title of the Course and Course Code	Physics General Lab –2B (PHY123)
	On completion of the course, the students will be able to:
CO1	Identify various components, devices, instruments and tools for specific applications. Recall the theory associated with each experiment.
CO2	Illustrate skill of proper use of tools and test and measuring instruments.
CO3	Calculate the values of physical quantities using suitable instruments.
CO4	Explain the results by integrating the theory with experimental observations.
CO5	Evaluate various physical quantities and measure the errors therein.
CO6	Perform the experiments using proper procedures and specify the outcomes. Integrate the measuring instrumentation system with the experimental circuit as required.

  
**IQAC CO-ORDINATOR**  
 Arts and Commerce College, Khedgaon  
 Tal. Dindori, Dist. Nashik-422 205



  
**Dr.D.N.Kare**  
**Principal**  
 Arts & Commerce College, Khedgaon,  
 Tal. Dindori, Dist. Nashik



