



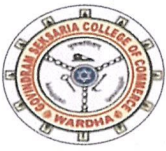
Shiksha Mandal's

**G. S. College of Commerce, Wardha**  
**(Autonomous)**  
**B. Com (Major in Computer Application)**



**Semester – I**

<b>Programming in C &amp; C++ (BCCA 1.1)</b>			
<b>Teaching Hours: 84</b>	<b>Total Credit:04</b>	<b>Total Marks: 40+30+30 = 100</b>	<b>Group: Major Core</b>
<b>Objectives:</b> <ol style="list-style-type: none"><li>1. To provide the students an understanding of basic concepts of the programming language.</li><li>2. To make the students familiar with the Procedure Oriented and Object-Oriented Programming Concepts</li></ol>			
<b>Learning Outcomes:</b> <ol style="list-style-type: none"><li>1. The students will be able to understand the basic concepts of control statements, Looping statements and array by learning of C and C++ languages.</li><li>2. Student would easily learn the concepts of Structure, Class and File Handling.</li></ol>			
<b>Unit</b>	<b>Content</b>		
<b>I</b>	<b>Introduction to C Language, Development Tools:</b> Algorithm & Flowchart <b>C Tokens:</b> Data Types- Variables, Operators, Character Set, Identifiers and keywords, Constants- Primary constant & Secondary Constant, C Operators, Type Conversion, Escape sequences, <b>Writing a Program in C:</b> Variable declaration, Simple Input and Output Statements. <b>Control Statements:</b> Conditional Expressions, Loop Statements, Breaking control statements. <b>Arrays:</b> Arrays and Functions, Multidimensional, Array, Character Array.		
<b>II</b>	<b>Function and Program Structures:</b> Defining a Function, Return Statement, Types of Functions, Actual & Formal Arguments Recursive Function. <b>Storage Class:</b> Automatic, Register, Static, External Storage Class. <b>Pointers:</b> Pointer and Functions, Pointers and Arrays, Pointer and Strings, Pointers to Pointers, Pre-processors, Macros, <b>Structures and Union</b>		
<b>III</b>	Basic concepts of OOPS, Comparison of PPL & OOP, <b>Classes and Object:-</b> Structure and Class, Scope resolution Operator, Manipulator, <b>Functions in C++:-</b> Function Prototyping, <b>Special Member Functions:-</b> Constructor, Destructor, Inline Function, Friend Function, Dynamic Memory Allocation, This Pointer		
<b>IV</b>	<b>Polymorphism and Virtual Functions:</b> - Early Binding, Late Binding, Virtual Function, Pure Virtual Function. <b>Overloading function and Operator:</b> - Function Overloading, Operator Overloading, Overloading Binary operator using Friend Function. <b>Data File Operations:</b> Input/output Functions, Opening and Closing of files, Simple File Operation, Structures and File Operation, Block Read/Write, Random Access File processing.		
<b>Books Recommended:</b>			
<ol style="list-style-type: none"><li>1. <b>Operating System Concept</b> – Silberschatz, Galvin &amp; Gagne, John Willey &amp; Sons Inc, Haboken, NJ</li><li>2. <b>The UNIX Programming Environment</b> – Kernighan &amp; Pike, PHI, London</li><li>3. <b>Linux: The Complete Reference (Sixth Edition)</b> – Richard Petersen, McGraw Hill, New Delhi</li><li>4. <b>The Complete Reference, PC Hardware</b> – Craig Zacker John Rourke, McGraw Hill, New Delhi</li><li>5. <b>Cisco Networks</b> – Christopher Carthern, William Wilson, Noel Rivera, Richard</li></ol>			



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## Semester – I

Secretarial Practice (BCCA 1.2.1)			
Teaching Hours: 30	Total Credit: 2	Total Marks: 35+15 = 50	Group: Generic/Open Electives
<b>Objectives:</b> <ol style="list-style-type: none"><li>To understand the concept of Secretarial Practice</li><li>To understand the role of a Company Secretary</li><li>To gain insight on basic secretarial laws laid down by ICSI</li></ol>			
<b>Learning Outcomes:</b> After learning this subject, <ol style="list-style-type: none"><li>The learner would be able to understand the meaning, qualifications, disqualifications and role of a Company Secretary in the Company in accordance with the provisions of The Companies Act.</li><li>The learner would know the applicability of Secretarial Standards.</li></ol>			
Unit	Content		
I	Meaning of Secretary, Definition of Company Secretary, Qualifications of Company Secretary, Liabilities of Company Secretary. Company Secretary as a Key Managerial Personal (KMP), Process of Appointment of a Company Secretary, Removal Process of Company Secretary Role of a Company Secretary under The Companies Act, 2013.		
II	Company Secretary in Practice, Company Secretary in Employment – Meaning Responsibility of Company Secretary in Practice. Secretarial Standards – Meaning and Application. Overview of Secretarial Standards – Meeting of Board of Directors, Secretarial Standard- II – General Meetings, Secretarial Standard – III – Dividend		
<b>Books Recommended:</b> <ol style="list-style-type: none"><li>Company secretarial practice – Sangeet Kedia, Pooja Law Publishing Co.</li><li>Corporate &amp; allied Laws – P.P.S. Gogna – S. Chand</li><li>Company Law – Dr. G. K. Kapoor, Dr. Sanjay Dhamija – Taxmann Publication</li></ol>			



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## Semester – I

### Entrepreneurship Development (BCCA 1.2.2)

Teaching Hours: 30

Total Credit: 2

Total Marks:  
35+15 = 50

Group: Generic/Open  
Electives

#### Objectives:

1. To understand the importance and significance of Entrepreneurship development.
2. To understand the process and opportunities available for new entrant.
3. To encourage the students to go for business.

**Learning Outcomes:** After learning this subject, students would be able to understand:

1. The importance of entrepreneurship.
2. Basic knowledge to establish business.

#### Unit

#### Content

I

**Entrepreneurship:** Meaning – Importance – Nature, Types, and Challenges. Role and Functions of Entrepreneur; Entrepreneurial Leadership – Meaning and Characteristics, Entrepreneurial Leadership, Significance and Impediment of Creativity in Entrepreneurship Process, Techniques of Idea Generation and Screening, Steps of Idea Generation.

II

**New Venture Planning and Financing:** Franchising – Process and Opportunities, Business Plan – Need, Perspective, Elements, Business Plan Failures, Managing Growing and Ending the New Venture – Preparing for the New Venture Launch, Criteria for Evaluating New Venture Proposals; Early Management Decisions; New Venture Expansion Strategies and Issues.

#### Books Recommended:

1. **Entrepreneurship** – Creating and Leading an Entrepreneurial Organization, Kumar, Arya, Pearson, India
2. **Entrepreneurship** – Starting, Developing and Managing a New Enterprise, Hishrich, Peters, Irwin
3. **Launching New Ventures** – An Entrepreneurial Approach Cengage Learning, Allen, K.R.,
4. **Entrepreneurship Development** – Ramachandran K., Tata McGraw Hill, New Delhi, India.
5. **Entrepreneurship** – Roy, Rajeev, Oxford University Press.
6. **Entrepreneurship** – Hisrich, Robert D., Michael Peters and Dean Shepherd, Tata McGraw Hill, New Delhi



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## Semester – I

Intellectual Property Rights (BCCA 1.3.1)			
Teaching Hours: 30	Total Credit: 2	Total Marks: 35+15 = 50	Group: Generic/Open Electives
<b>Objectives:</b> <ol style="list-style-type: none"><li>1. To introduce fundamental aspects of intellectual property rights to students who are going to play major role in developing and management of innovative project in industries.</li><li>2. To aware students about the procedure of registration and protection of intellectual property rights such as trademarks, copyrights, patents and designs etc.</li><li>3. To aware students about the practice aspects of registration of intellectual property in order to protect their research work and get it registered under regulations of IPR.</li></ol>			
<b>Learning Outcome:</b> After learning this subject, the student will be able to understand: <ol style="list-style-type: none"><li>1. The concept of Intellectual Property Rights and Functioning of Patents.</li><li>2. Concepts of Copyright, Trademarks and Geographical Indication.</li></ol>			
Unit	Content		
I	<b>Overview of Intellectual Property:</b> Introduction of IPR, Scope of IPR, need for intellectual property right (IPR), Intellectual property related problems in India, Introduction to the leading International instruments concerning Intellectual Property Rights: The Berne Convention, The World Intellectual Property Organization (WIPO); International Trade Agreements concerning IPR — WTO — TRIPS. <b>Patents:</b> Definition of patent, invention and new invention; Need for patent, Inventions not patentable, Classification of patents in India, Classification of patents by WIPO, Categories/types of Patents, procedure for grant of patent, opposition to grant of patent, Patent Rights, Regulatory authority, Patent misuse, Penalties, Macro-economic impact of the patent system		
II	<b>Copyrights:</b> Definition of copyright, concept of Copyright, Procedure for registration of copyrights, Term of copyright, Works that can be copyrighted, Copyright in literary, dramatic and musical works, computer programmes and cinematograph films Neighboring rights, Rights of performers and broadcasters, etc., Infringement of copyrights, Remedies for infringement of copyright. <b>Trademark:</b> Concept of Trademark, Definition, Types of Trademarks, Importance, Registration process for Trademark, Grounds for refusal of registration, Rights of Trademark, Duration of Trademark, Infringement of Trademark <b>Geographical Indication:</b> Concept of Geographical indication (GI), Difference between GI and Trademarks, Need for GI, Registered GI in India,		
<b>Books Recommended:</b>			
<ol style="list-style-type: none"><li>1. <b>Indian Patents Law – Legal &amp; Business Implications</b>, Ajit Parulekar and Sarita D' Souza, Macmillan India Ltd., 2006</li><li>2. <b>Law Relating to Patents, Trademarks, Copyright, Designs &amp; Geographical Indications</b>, B. L. Wadehra; Universal law Publishing Pvt. Ltd., India 2000</li><li>3. <b>Law of Copyright and Industrial Designs</b>, P. Narayanan; Eastern law House, Delhi, 2010.</li><li>4. <b>Handbook of Indian Patent Law and Practice</b>, Subbaram N. R., S. Viswanathan, Printers and Publishers Pvt. Ltd., 1998.</li></ol>			



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## Semester – I

Business Environment (BCCA 1.3.2)			
Teaching Hours: 30	Total Credit: 2	Total Marks: 35+15 = 50	Group: Generic/Open Electives
<b>Objectives:</b> <ol style="list-style-type: none"><li>To enable students to understand the impact of environment on the business.</li><li>To understand the business strategies and environment, along with an exposure to elements of external business environment.</li></ol>			
<b>Learning outcome:</b> After learning this subject, students would be able to: <ol style="list-style-type: none"><li>Understand the business environment, the purpose of regulation &amp; regulatory role of the Government.</li><li>Understand the concept of liberalization, privatization, globalization and the role of WTO and develop the skills for analysis of business environment using PESTLE, SWOT etc.</li></ol>			
Unit	Content		
I	<b>Business Environment:</b> Meaning of business, Concept of Business environment, characteristics of Business environment, components/factors of the Business Environment (internal environment & external environment), types of external environment. <b>Socio-Cultural Environment:</b> Introduction, nature of culture, impact of culture, Demographic environment <b>Economic Role of Government:</b> Objectives of regulatory function of government, regulatory authorities, purposes of regulation.		
II	<b>Liberalization:</b> Meaning, objectives, benefits and limitations <b>Privatization:</b> Meaning of Privatization, Objectives, benefits and problems with Privatization, obstacles to privatization in India. <b>Globalization:</b> Meaning of Globalization, reasons for globalization, features and benefits of Globalization, Role of WTO. <b>Analysis of Business Environment:</b> PESTEL, STEEP, PORTER'S five forces model, SWOT analysis		
<b>Books Recommended:</b>			
<ol style="list-style-type: none"><li><b>Business environment</b> – Veena K Pailwar; PHI</li><li><b>Business Environment</b> – Francis Cherunilam, Himalaya Publishing House, New Delhi.</li><li><b>Essentials of Business Environment</b> – Aswathappa, Himalaya Publishing House, New Delhi.</li><li><b>Indian Economy</b> – Mishra and Puri, Himalaya Publishing House, New Delhi.</li><li><b>Business Environment</b> – Raj Aggarwal Excel Books, Delhi.</li><li><b>Business Environment</b> – Dr. V C Sinha, SBPD Publications.</li></ol>			



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## Semester – I

### Computer Hardware and Networking (BCCA 1.4)

Teaching Hours: 42

Total Credit: 02

Total Marks:  
35+5+10 = 50

Group: Vocational Skills  
Courses

#### Objectives:

1. To provide the students an understanding of basic concepts of hardware.
2. To make the students familiar with the concepts of Networking.

#### Learning Outcomes:

1. The students will be able to understand the basic concept of hardware, its types and assembly of various hardware components.
2. The students will be able to understand the concept of networking, configuration, various networking models and networking devices.

#### Unit

#### Content

I

**Computer Hardware:** Introduction to Computers: Basics of Computers, Organization of Computers, Software, and Hardware.  
**Input/output devices:** motherboard, types of motherboards, SMPS troubleshooting,  
**Inside the PC:** Opening the PC and identification of various components, study of different blocks, assembling and disassembling, modification, and replacement of components

II

**Networking:** Network basics and configuration: Setting IP addresses and sharing files and folders Network troubleshooting, PING test, ipconfig and network testing commands, crimping, etc.  
**Network Types:** LAN, WAN, MAN, and PAN Setting of the network connection,  
**Networking Model:** The OSI Model and TCP/IP Model work with various networking devices: routers, switches, modems, hubs, etc. working with Wired and wireless technology.

#### Books Recommended:

1. **Operating System Concept** – Silberschatz, Galvin & Gagne, John Willey & Sons Inc, Haboken, NJ
2. **The UNIX Programming Environment** – Kernighan & Pike, PHI, London
3. **Linux: The Complete Reference (Sixth Edition)** – Richard Petersen, McGraw Hill, New Delhi
4. **The Complete Reference, PC Hardware** – Craig Zacker John Rourke, McGraw Hill, New Delhi
5. **Cisco Networks** – Christopher Carthern, William Wilson, Noel Rivera, Richard Bedwell
6. **Computer Networks** – Fourth Edition, Andrew S., Tanebaum



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## Semester – I

Basics of Communication Skills (BCCA 1.5.1)			
Teaching Hours: 30	Total Credit: 02	Total Marks: 35+15 = 50	Group: Skill Enhancement Courses
<b>Objectives:</b> <ol style="list-style-type: none"><li>1. To Develop Communication Skills</li><li>2. To Improve the Oral &amp; Written Skills</li><li>3. To Understand the Various Types of Communication</li></ol>			
<b>Learning Outcomes:</b> After Learning this Subject, Students will be Able to Understand: <ol style="list-style-type: none"><li>1. The Importance &amp; Need of Communication Skills.</li><li>2. The Process &amp; Features of Communication.</li><li>3. Mediums of Communication – Oral, Written, Print, Electronic.</li></ol>			
Unit	Content		
I	<ol style="list-style-type: none"><li>1. Definition &amp; Importance of Communication</li><li>2. Features and Types of Communication: Upward, Downward, Horizontal, Vertical, Etc.</li><li>3. Process/ Cycle of Communication: Sender, Receiver, Channel, Feedback, Etc.</li><li>4. Verbal/Nonverbal Communication: Gestures, Posture, Eye Contact, Etc.</li><li>5. Oral &amp; Written Communication: Advantages &amp; Disadvantages</li></ol>		
II	<ol style="list-style-type: none"><li>1. Medium and Channels of Communication</li><li>2. Print Media</li><li>3. Electronic Media</li><li>4. Advantages and Disadvantages of Print and Electronic Media</li><li>5. Internet-Advantages &amp; Disadvantages</li></ol>		
<b>Books Recommended:</b> <ol style="list-style-type: none"><li>1. <b>Business Communication:</b> Urmila Rai, S.M. Rai, Himalaya Publishing House Pvt. Ltd., Mumbai, 2017</li><li>2. <b>Business Communication:</b> V. K. Jain &amp; Omprakash Biyani, S. Chand, New Delhi, 2007</li><li>3. <b>Business Correspondence and Report Writing:</b> R. C. Sharma &amp; Krishna Mohan, Tata McGraw-Hill, Chennai, 2017</li><li>4. <b>Developing Communication Skills:</b> Krishna Mohan &amp; Meera Banerji, Trinity Press, New Delhi, 2017</li></ol>			



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## Semester – I

Management Skills (BCCA 1.5.2)			
Teaching Hours: 30	Total Credit: 02	Total Marks: 35+15 = 50	Group: Value Education Courses
<b>Objectives:</b> <ol style="list-style-type: none"><li>1. To Understand Management Skills</li><li>2. To Understand its Importance</li><li>3. To Develop Efficient Management System</li></ol>			
<b>Learning outcome: After Learning this Subject, Students Would be Able to Understand:</b> <ol style="list-style-type: none"><li>1. The Importance And Scope of Management &amp; Role of Managers</li><li>2. The Importance of Planning &amp; Organizing</li><li>3. Leadership For Proper Management</li></ol>			
Unit	Content		
I	<ol style="list-style-type: none"><li>1. Meaning, Objectives, Scope, Importance of Management</li><li>2. Functions of Management, Role of Managers, Quality of Managers.</li><li>3. Planning: Meaning, Importance, Objectives, Types and Limitations of Planning, Essentials of good plans.</li><li>4. Organizing: Meaning, Principles, Importance and Types of Organization.</li><li>5. Co-Ordination: Meaning, Concept, Importance, Need of Coordination</li></ol>		
II	<ol style="list-style-type: none"><li>1. Types of Management Skills----Technical, personal, Human or Interpersonal etc.</li><li>2. Technical Skills-Use of gadgets for proper management</li><li>3. Personal Skills-Integrity, dedication, empathy</li><li>4. Interpersonal Skills-communication Skills-Oral, written, non-verbal, listening</li><li>5. Leadership Skills-Personality skills, self-confidence, negotiation, persuasion skills</li></ol>		
<b>Books Recommended:</b>			
<ol style="list-style-type: none"><li>1. <b>Essential of Business Administration:</b> K. Aswathapa, Himalaya Publishing House.</li><li>2. <b>Management:</b> Concept and Strategies, J. S. Chandan, Vikas Publishing.</li><li>3. <b>Principles of Management:</b> Tripathi, Reddy, Tata McGraw Hill.</li><li>4. <b>Principles of Management:</b> Ramasamy T, Himalaya Publishing House.</li><li>5. <b>Principles of Business Management:</b> Sherlekar, Himalaya Publishing House.</li></ol>			





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**Semester – I**

Hindi (BCCA 1.6.1)			
Teaching Hours 30	Total Credits: 02	Total Marks : 35+15=50	Group: Ability Enhancement Courses
<p><b>उद्देश :</b> कोई भी भाषा मनुष्य को परिष्कृत , परिमार्जित और संस्कारित बनाकर उसके व्यक्तित्व के गुणों को सुवासित कर समाज में फौलाती है । आधुनिकता के इस युग में समय की मांग को देखकर युग के साथ कदम से कदम मिलाकर चलने के लिए हिंदी ने अपने पुरातन रूप को परिवर्तित कर व्यावहारिक हिंदी को अपनाया ।</p>			
<p><b>परिणाम एक विश्लेषण :</b></p> <ol style="list-style-type: none"><li>1. साहित्य अध्ययन द्वारा विद्यार्थियों में साहित्य रुचि जागृत हुई ।</li><li>2. इस व्यावहारिक हिंदी के माध्यम से हिंदी भाषी व्यक्ति रोजगार के क्षेत्र में संवय को सिद्ध कर सकता है । वैश्वकरण के इस युग में व्यक्ति हिंदी के अध्ययनद्वारा चरित्र निर्माण के साथ साथ जीविकोपार्जन भी कर सकता है ।</li></ol>			
Unit (इकाई)	Content (मूलतत्त्व / घटक )		
I साहित्यिक हिंदी	गद्य भाग ➤ व्यवसाय का सत्य (श्री जैनेन्द्र कुमार ) ➤ नेतृत्व : इंफोसिस यात्रा के दौरान सीखे सबक (नारायण मूर्ति ) पद्य भाग ➤ नागरी और हिंदी (मैथिली शरण गुप्त ) ➤ प्रगति /हार (अरविन्द भट्ट )		
II व्यावहारिक हिंदी	➤ साक्षात्कार : स्वरूप , परिभाषा , विशेषताएँ , प्रकार , पूर्व तैयारी , समस्याएँ , व्यावहारिक रूप ➤ हिंदी पत्रकारिता : परिचय और विकास , पत्रकारिता लेखन , समाचार लेखन,फीचर लेखन		
	<b>संदर्भ सूची :-</b> 1. राष्ट्रसंत तुकडोजी महाराज नागपुर विद्यापीठ की बी .कॉम हिंदी की पाठ्यपुस्तक 2. प्रयोजनमूलक हिंदी : डॉ. पी. लता		



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**Semester – I**

<b>Marathi (BCCA 1.6.2)</b>			
<b>Teaching Hours: 30</b>	<b>Total Credits:02</b>	<b>Total Marks: 35+15=50</b>	<b>Group: Ability Enhancement Courses</b>
<p><b>उद्दिष्टे-</b> भाषा मानवाला परिष्कृत, परिमार्जित आणि संस्कारीत बनवून त्यांच्या व्यक्तित्व गुणांचा सुवास समाजा मध्ये पसरविण्याचे कार्य करित असते. विद्यार्थ्यांना उद्यमशील प्रेरणे बरोबरच मानवी जीवनातील उच्च मूल्यांची ओळख करून देणे .वैश्वीकरणाच्या युगात चारित्र्य निर्मिती बरोबरच व्यक्तीला रोजगाराच्या क्षेत्रात स्वयंपूर्ण सिद्ध करण्यासाठी व्यावहारिक मराठीला उपजीविकेचे साधन म्हणून स्वीकारणे. मराठी भाषेचा अभ्यास करणाऱ्या व त्यासोबतच स्पर्धा परीक्षेची तयारी करणाऱ्या विद्यार्थ्यांमध्ये निबंध लेखनाचे कौशल्य विकसित करणे.</p>			
<p><b>साध्य- (अध्ययन निष्पत्ती)</b></p> <p>घटक 1 -(गद्य विभाग) आणि घटक २ (पद्य विभाग) लेखक, कवी आणि कवियत्री यांच्या साहित्याचे विद्यार्थ्यांनी आवडीने अध्ययन करून त्याची समाज उपयोगी मते जाणून घेतली.</p> <p>घटक 2- वैश्विकरणाच्या युगात चारित्र्य निर्मिती बरोबरच व्यक्तीला रोजगाराच्या क्षेत्रात स्वयंपूर्ण सिद्ध करण्यासाठी व्यावहारिक मराठीला उपजीविकेचे साधन म्हणून स्वीकारणे.</p>			
<b>घटक</b>	<b>विषय घटक</b>		
<b>I</b> <b>साहित्यिक</b> <b>मराठी</b>	<p><b>गद्य विभाग</b></p> <ul style="list-style-type: none"><li>➤ आमची एक दुष्ट खोड आळस- गोपाळ गणेश आगरकर</li><li>➤ शील बनविणारे शिक्षण - स्वामी विवेकानंद</li><li>➤ काळी आई -व्यंकटेश माडगूळकर</li></ul> <p><b>पद्य विभाग</b></p> <ul style="list-style-type: none"><li>➤ ज्ञानेश्वर यांचे अभंग -संत ज्ञानेश्वर</li><li>➤ नवा शिपाई -केशवसुत</li><li>➤ पुतळे- वसंत आबाजी डहाके</li></ul>		
<b>II</b> <b>व्यावहारिक</b> <b>मराठी</b>	<ul style="list-style-type: none"><li>➤ मुलाखत लेखन- स्वरूप पूर्वतयारी, प्रकार, प्रात्यक्षिके</li><li>➤ जाहिरात लेखन -व्याख्या ,कार्य प्रकार, प्रतिमा निर्मिती, जाहिरातीची माध्यमे, जाहिरात लेखन आणि जाहिरातीचा शेवट</li></ul>		
	<p><b>संदर्भ ग्रंथ :-</b></p> <ol style="list-style-type: none"><li>1. राष्ट्रसंत तुकडोजी महाराज नागपुर विद्यापीठ की बी. कॉम -१ मराठीचे पाठ्यपुस्तक</li><li>2. सुगम मराठी व्याकरण व लेखन, मो. रा. वाळम्बे</li></ol>		



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**Semester – I**

<b>Ancient Indian Education System (BCCA 1.7)</b>			
<b>Teaching Hours: 30</b>	<b>Total Credit: 02</b>	<b>Total Marks: 35+15 = 50</b>	<b>Group: Indian Knowledge System</b>
<b>Objectives:</b> <ol style="list-style-type: none"><li>1. To Acquaint the Students with Our Ancient Indian Education System.</li><li>2. To Understand the Rich Knowledge Systems in the Past.</li><li>3. To Understand the Development of Education in India</li></ol>			
<b>Learning Outcomes:</b> <ol style="list-style-type: none"><li>1. After Learning this Subject, Students Will be Able to Understand:</li><li>2. The Rich Knowledge Systems in Ancient India.</li><li>3. Changes in the Education System over the Years.</li><li>4. To Understand Our Great Culture &amp; Knowledge Inheritance.</li></ol>			
<b>Unit</b>	<b>Content</b>		
<b>I</b>	<b>Introduction to Ancient Education System:</b> <ol style="list-style-type: none"><li>i) Features of Ancient Indian Education</li><li>ii) Sources of Education: Vedas, Upanishad, Brahmanas, etc.</li><li>iii) Objectives of Studying the Vedas, Upanishads, etc.</li><li>iv) Indigenous Education: Home, Temples, Pathshalas, Gurukuls</li><li>v) The Concept of Gurukuls and Teaching at Gurukuls</li></ol>		
<b>II</b>	<ol style="list-style-type: none"><li>i) Education in the Post-Vedic Period</li><li>ii) Ancient Universities in the Buddhist Period: Takshshila, Kashi Nalanda, Valabhi Vikramshila</li><li>iii) Features and Objectives of the Universities</li><li>iv) Merits and Demerits of the Ancient Education System</li></ol>		
<b>Books Recommended:</b> <ol style="list-style-type: none"><li>1. <b>Education in Modern India</b> – Damal B.D. and Dash B.N, Kalyani Publisher, New Delhi, 2005</li><li>2. <b>History of Education in India</b> – Ghosh, S.C, Rawat Publications, 2007</li><li>3. <b>History of Education in India</b> – Ghosh, S.C, Rawat Publications, 2007</li><li>4. <b>A History of Education in India</b> – Nurullah and Naik, P.L. Rawat, Macmillan, Bombay. 1995</li></ol>			



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**Semester – I**

**Environment and Sustainable Development (BCCA 1.8)**

**Teaching Hours:**  
**30**

**Total Credit: 2**

**Total Marks:**  
**35+15 = 50**

**Group: Value Education Courses**

**Objectives:**

1. Understanding the concept of sustainable development: Students should be able to define and explain the concept of sustainable development, including its key principles and components.
2. Identifying sustainability challenges: Students should be able to identify and analyze sustainability challenges facing the planet, such as climate change, biodiversity loss, resource depletion, and pollution and suggest a possible solution for the same.

**Learning outcome:** After learning this subject, students would be able to understand:

1. The learner would understand the importance of sustainable development.
2. The learner would be able to comprehend sustainable challenges.

**Unit**

**Content**

**I**

**Multidisciplinary Nature of Environmental Studies** – Concept of Environment, Scope of Environmental Studies, Need for public Awareness, Environmental Degradation, Shelter Security, Economic Security, Social Security, Effects of Housing on Environment, Effects of Industry on Environment.

**Environmental issues and crisis** – Carbon Credits, Resource degradation, greenhouse gases, desertification, natural calamities and social insecurity, Industrialization, Globalization and Environment, Global Warming.

**II**

**Sustainable Development** – History and emergence of the concept of Sustainable Development, Definition of Sustainable Development, Sustainable development practices in modern era.

**Sustainable Development Goals (SDGs):** Introduction to Sustainable Development Goals (SDGs) established by United Nations, Need and Purpose for establishment of SDGs, SDG 6: Clean Water and Sanitation, SDG 7: Affordable and Clean Energy, SDG 11: Sustainable Cities and Communities, SDG 13: Climate Action, SDG 17: Partnerships for the goals

**Books Recommended:**

1. **The Sustainability Revolution:** Portrait of a Paradigm Shift by Edwards, Andres R., New Society Publishers, 2005.
2. **Sustainable development in India:** Stocktaking in the run up to Rio+20: Report prepared by TERI for MoEF, 2011.
3. **Report of the Department for Policy Coordination and Sustainable Development (DPCSD),** United Nations Division for Sustainable Development.
4. **Corporate Social Responsibility Part I, Part II, Part III** – David Crowther and Guler Aras



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**Semester – I**

<b>Sports and Physical Education (BCCA 1.9.3)</b>			
<b>Teaching Hours: 60</b>	<b>Total Credit: 02</b>	<b>Total Marks: (20+15+10+5) = 50</b>	<b>Group: Co-Curricular Courses</b>
<b>Objectives:</b> <ol style="list-style-type: none"><li>1. Understand the concept and significance of health and wellness</li><li>2. Understand the role of physical activities in developing health and wellness</li><li>3. Understand the concept of yoga and significance of Asanas &amp; Pranayama in developing health and wellness</li><li>4. Understand the fundamental skills &amp; rules of major Games &amp; Sports.</li><li>5. Perform &amp; Guide various Physical &amp; Fitness activities to develop health &amp; wellness</li></ol>			
<b>Learning Outcomes:</b> <ol style="list-style-type: none"><li>1. Students acquire the knowledge of physical fitness, sports, nutrition, yoga and understand the significance of its development for healthy life.</li><li>2. Students will learn theoretical and practical aspects of games, and aware about its rule and regulation.</li><li>3. Students will learn to apply knowledge of Physical fitness, Nutrition and exercise management to lead better quality life.</li><li>4. Students will understand and learn different dimensions of health &amp; wellness for active lifestyle.</li></ol>			
<b>Unit</b>	<b>Content</b>		
<b>I</b>	<b>A] Theory (Health &amp; Wellness)</b> <ol style="list-style-type: none"><li>a) Meaning, Definition and importance of Health &amp; Wellness</li><li>b) Factors Influencing Health &amp; Wellness</li><li>c) Warm Up/Cooling Down Exercise-General &amp; Specific</li><li>d) Stretching Exercises-Static &amp; Dynamic and types</li><li>e) Injuries and First Aid</li></ol>		
<b>II</b>	<b>B] Practical &amp; Theory</b> <b>Major Games-</b> <ol style="list-style-type: none"><li><b>1) Football/Volleyball/Kabaddi</b><ul style="list-style-type: none"><li>• Measurements &amp; Rules in Football/Volleyball</li><li>• Fundamental skills in Football/Volleyball/Kabaddi</li></ul></li><li><b>2) Cricket/Badminton/Kho-Kho</b><ul style="list-style-type: none"><li>• Measurements &amp; Rules in Cricket/Badminton/Kho-Kho</li><li>• Fundamental skills in Cricket/Badminton/Kho-Kho</li></ul></li></ol>		
<b>Books Recommended:</b> <ol style="list-style-type: none"><li>1. Muller, J. P. (2000). Health, Exercise and Fitness. Delhi: Sports.</li><li>2. Uppal, A.K. (1992). Physical Fitness. New Delhi: Friends Publication.</li><li>3. Veena Goel, Gaurav Goel (2001) Encyclopedia of sports and Games, Vikas Publishing house pvt. Ltd.</li><li>4. Prevention And Treatment of Sports Injuries, 2000, Anju Ambast, Khel Sahitya Kendra, Shiv Market, Ashok Vihar, Delhi</li></ol>			



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