

**F.Y.BBA SEMESTER-I (NEP 2026)**

**COURSE STRUCTURE**

<b>Sr. No</b>	<b>Particular</b>	<b>Subject Code</b>	<b>Credits</b>	<b>Page. No.</b>
<b>MAJOR CORE</b>				
1	<a href="#">Principles of Management</a>	26BI1-A101	4	2
2	<a href="#">Business Organisation and System</a>	26BI1-A102	2	4
<b>VSC - VOCATIONAL SKILL COURSE (Compulsory)</b>				
3	<a href="#">Business Economics (Micro)</a>	26BI1-C103	2	5
<b>IKS - INDIAN KNOWLEDGE SYSTEMS (Compulsory)</b>				
4	<a href="#">Indian Knowledge System</a>	26BI1-D104	2	7
<b>GE/OE- GENERIC/OPEN ELECTIVE (Optional)</b>				
5	<a href="#">Financial and Cost Accounting</a>	26BI1-G105	4	9
<b>SEC - SKILL ENHANCEMENT COURSE (Compulsory)</b>				
6	<a href="#">IT Tools</a>	26BI1-H106	2	11
<b>AEC - ABILITY ENHANCEMENT COURSE (Compulsory)</b>				
7	<a href="#">English for Business Communication-I</a>	26BI1-A107	2	12
<b>VEC - VALUE EDUCATION COURSE (Compulsory)</b>				
8	<a href="#">Environmental Science and Sustainability-I</a>	26BI1-A108	2	14
<b>CC – Co-curricular Courses</b>				
9	<a href="#">Sports Proficiency and Participation in Sports Competitions I</a>	26BI1-K116	2	16
10	<a href="#">National Cadet Corps - I</a>	26BI1-K117		17
11	<a href="#">National Service Scheme I</a>	26BI1-K118		18
12	<a href="#">Youth Red Cross I</a>	26B1-K119		19
13	<a href="#">Performing Arts (Cultural and Dramatics Association) I</a>	26BI1-K120		20
<b>Total Credits</b>			<b>22</b>	

<b>Course Code:</b> <b>26BI1-A101</b>	<b>Course: Principles of Management</b>		<b>Marks: 100</b> <b>Credits: 4</b>
<b>Course Objectives:</b>			
<ol style="list-style-type: none"> <li>1. To introduce students to the fundamental concepts, principles, and importance of management in modern organizations.</li> <li>2. To develop understanding of the evolution of management thought and contributions of classical and modern management thinkers.</li> <li>3. To familiarize students with major managerial functions such as planning, organizing, directing, controlling, and decision-making.</li> <li>4. To provide knowledge about contemporary trends in management including quality management, knowledge management, and change management.</li> </ol>			
<b>Course Outcome:</b>			
After completing the course, the student shall be able to			
<b>CO1:</b> Explain the basic concepts, nature, importance, and functions of management and the role of managers in organizations.			
<b>CO2:</b> Describe the evolution of management thought and analyze the contributions of major management thinkers and Indian business leaders.			
<b>CO3:</b> Apply managerial functions such as forecasting, planning, organizing, decision-making, directing, and controlling in business situations.			
<b>CO4:</b> Evaluate modern management practices and emerging trends such as change management, stress management, quality management, and outsourcing.			
<b>Unit</b>	<b>Unit Title</b>	<b>Contents</b>	<b>No. of Lectures</b>
<b>I</b>	Nature of Management	1.1 – Meaning, Importance & Functions of Management. 1.2 – Roles of Manager, Qualities of Manager 1.3 – Management as an Art, Management as a Science, as a Profession. 1.4 – Concept of Management, Concept of Administration, Concept of Organization.	15
<b>II</b>	Evolution of Management Thoughts	2.1 – Concept of Managerial Thoughts 2.2 – Contributions of F. W Taylor, Elton Mayo, Henry Fayol & Peter Drucker 2.3 – Application of Management Theories 2.4 – Indian Management Ethos 2.5 – Different style of Indian Management Leaders. Examples (Ratan -Tata, Dhirubhai Ambani, Narayan Murthy, Varghese Kurien)	15
<b>III</b>	Major Managerial Functions	3.1 – Forecasting: - Meaning, Need, Types, Methods, Advantages, Disadvantages. 3.2 – Planning: - Meaning, Need, Types, Process, Methods, Advantages, Disadvantages. 3.3 – Organising: - Meaning, Concept 3.4 – Delegation of Authority:- Meaning, Importance 3.5 – Decentralization: - Concept, Meaning, Importance 3.6 – Decision Making – Types, Process, Techniques 3.7 – Direction: - Nature, Principles	15

		3.8 – Motivation: - Meaning, Importance 3.9 – Controlling: - Meaning, Need, Process, Techniques 3.10 – Other Management Functions like Staffing, Co-ordinating	
<b>IV</b>	Recent Trends in Management.	4.1 – Management of Change 4.2 – Management of Crisis 4.3 – Total Quality Management, Just In Time (JIT), Kaizen 4.4 – Stress Management: - Principles & Advantages 4.5 – Knowledge Management 4.6 –Outsourcing: - Meaning, Advantages & Disadvantages	15
<b>Total no. of lecture</b>			<b>60</b>

**Suggested Readings:**

<b>Sr. No.</b>	<b>Title of Book</b>	<b>Author/s</b>
1	Essentials of Management	Harold Koontz
2	Management: Tasks, Responsibilities, Practices	Peter Drucker
3	Organizational Behavior	Stephen P. Robbins

<b>Course Code:</b> 26BI1-A102	<b>Course: Business Organization and System</b>		<b>Marks: 50</b> <b>Credits: 2</b>
<b>Course Objectives:</b>			
1) To understand the concept and evolution of modern business. 2) To study various forms of business organizations.			
<b>Course Outcomes:</b>			
After completing the Course, the students shall be able to:			
<b>CO1:</b> Understand the concept of business, prerequisites for success in business and evolution of business as an economic entity.			
<b>CO2:</b> Understand the significance of different forms of business organizations their types, characteristics, merits and limitations.			
<b>Unit</b>	<b>Unit Title</b>	<b>Contents</b>	<b>No of Lectures</b>
I	Foundation and Evolution of Business	1.1 Business- Meaning, Objectives, Characteristics and prerequisites for success in business. 1.2 Evolution of business, industrial revolution to Industry 4.0, and the concept of a "Systemic" approach to business. 1.3 Recent Trends in Modern Business i.e. BPO, KPO, entrepreneur & homepreneur and online trading, digital marketing and payment methods. 1.4 Entry modes for International Business- Exporting, Licensing, and Franchising.	15
II	Forms of Business Organization	2.1 Meaning, Advantages and Disadvantages of forms of organisation: Sole proprietorship, Partnership Firm, Limited Liability Partnership, Private company, Public Company, One person Company. 2.3 Business Processes: Role of Digital Transformation (ERP, CRM) in various forms of Business Organizations.	15
<b>Total No of Lectures</b>			<b>30</b>

<b>Sr. No.</b>	<b>Title of Book</b>	<b>Author/s</b>	<b>Publication</b>
1	Business Organisation and Management	C.B. Gupta	Sultan Chand and Sons
2	Business Organisation and Management	P.C. Tulsian and Pandey	S. Chand
3	Business Organisation and system	R.D. Darekar	Success Publication

<b>Course Code:</b> 26BI1-C103	<b>Course: Business Economics (Micro)</b>	<b>Marks: 50</b> <b>Credits: 2</b>	
<b>Course Objectives:</b>			
1. To introduce basic concepts of Business Economics, Microeconomics and Demand Behaviour. 2. To develop understanding of Supply Behaviour, Production Behaviour and cost concepts in Production. 3. To familiarize students with Revenue concepts and different forms of Market Structures.			
<b>Course Outcomes:</b>			
After completion of this course students will be able to;			
<b>CO1:</b> Explain the Demand Behaviour and interpret Price Elasticity of Demand using examples.			
<b>CO2:</b> Describe Supply Behaviour, analyse Production relationships and analyse different Cost concepts and Short-Run Cost Curves.			
<b>CO3:</b> Analyse Revenue concepts, understand the Profit Maximisation Condition and differentiate between major Market Structures based on their features.			
<b>Unit No.</b>	<b>Unit Title</b>	<b>Content</b>	<b>No. of Lectures</b>
I	<b>Introduction and Demand Analysis</b>	<b>1.1. Introduction to Business Economics</b> 1.1.1. Business Economics: Meaning 1.1.2. Microeconomics: Meaning, Nature, Scope and Importance and Limitations <b>1.2. Demand Analysis:</b> 1.2.1. Concept of Demand 1.2.2. Determinants of Demand 1.2.3. Law of Demand and its Exceptions 1.2.3. Price Elasticity of Demand: Meaning and Degrees	10
II	<b>Supply Analysis, Production Analysis and Cost Analysis</b>	<b>2.1. Supply Analysis:</b> 2.1.1. Concept of Supply 2.1.2. Determinants of Supply 2.1.3. Law of Supply and its Exceptions <b>2.2. Production Analysis</b> 2.2.1. Meaning of Production Function 2.2.2. Total Product, Average Product and Marginal Product 2.2.3. Law of Variable Proportion <b>2.3. Cost Analysis:</b> 2.3.1. Concept of Cost and Types of Cost: Fixed Cost and Variable Cost, Total Cost, Marginal Cost and Average Cost. 2.3.3. Short Run Cost Curves Analysis 2.3.4. Long Run Cost Curve Analysis	10
III	<b>Revenue Analysis and Market Structures</b>	<b>3.1. Revenue Analysis:</b> 3.1.1. Concept of Revenue 3.1.2. Types of Revenue: Total Revenue, Average Revenue and Marginal Revenue <b>3.2. Concept of Profit Maximisation</b> <b>3.3. Market Structures:</b> 3.3.1. Perfect Competition: Meaning and Features 3.3.2. Monopoly: Meaning and Features 3.3.3. Monopolistic Competition: Meaning and Features 3.3.4. Oligopoly: Meaning and Features	10
Total No of Lectures for Teaching and Evaluation			30

**Suggested Readings:**

<b>Sr. No</b>	<b>Title of Book</b>	<b>Author/s</b>	<b>Publication</b>
1	Advanced Economic Theory	Ahuja H. L.	S. Chand and Company
2	Principles of Microeconomics	Ahuja H. L.	S. Chand and Company
3	Economics Principles and Applications.	N. Gregory Mankiw	Cengage Learning India Pvt. Ltd
4	Principles of Economics	N. Gregory Mankiw	Cengage Learning India Pvt. Ltd
5	Business Economics	Andrew Gillespie	Oxford Press
6	Business Economics	Rob Dransfield	Vikas Publishing House
7	Business Economics – Theory and. Applications	Dr. D.D. Chaturvedi, Dr. S. L. Gupta	International Book House
8	Economics for management – Text and Cases Mumbai	S. K. Sarangi	Himalaya Publishing House
9	Elements of Economics	R.G. Lipsey	Pearson
10	Microeconomics	M.L. Jhingan	Vrinda
11	Day To Day Economics	Prof. Deodhar Satish Y.	Penguin Random House

<b>Course Code:</b> 26BI1-D104	<b>Course: Indian Knowledge System</b>	<b>Marks: 50</b> <b>Credits: 2</b>
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**Course Objectives:**

1. To provide a foundational understanding of various Indian Knowledge Systems based on authentic textual resources.
2. To explore the historical context and evolution of these knowledge systems.
3. To highlight the relevance and application of Indian Knowledge Systems in contemporary society.
4. To develop critical thinking and analytical skills by examining primary and secondary sources.

**Course Outcomes:**

After completion of this course students will be able to;

**CO1:** Understand the fundamental concepts of Bharatiya Knowledge Systems (IKS) and their historical development.

**CO2:** Identify and explain key scriptures, philosophies, and traditions, such as the Vedas, Upanishads, epics, and schools of thought.

**CO3:** Apply knowledge of ancient Indian science, medicine, governance, and agriculture to recognize their influence and relevance in modern contexts.

**CO4:** Analyse aspects of India's civilisation and culture, including temple architecture, dynasties, and iconography, and explain their significance.

Unit	Unit Title	Contents
1	Introduction to Bharatiya Knowledge Systems (IKS)	Introduction to Bharatiya Knowledge Systems (IKS)
2	Bharatvarsh	Bharatvarsh, Geography of India
3	Vedas and Upanishad	i. Rigveda ii. Yajurveda iii. Samaveda iv. Atharveda v. Upanishad-s
4	Epic and Puranas	i. Ramayana ii. Mahabharata iii. Purana-s
5	Astika Philosophies, Buddhism, Jainism and Charvaca	i. Origins of Indian Philosophy ii. Indian Philosophical Schools
6	Mathematics, Astronomy and Scientific Literature	i. Ancient Indian Maths and traditions ii. The Decimal system iii. Calendrical systems iv. Linguistics v. Chemistry
7	Medicine and Health	i. Ayurveda ii. Yogashastra
8	Governance and Arthashastra	Governance and Arthashastra
9	Food and Agriculture	i. Food ii. Agriculture and Animal husbandry
10	Civilisation and Culture	i. The History of the Indian Civilisation ii. Ancient Indian Dynasties

		iii. Temple Architecture iv. Iconography
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Course Code: 23BI1-G105	Course: Financial & Cost Accounting		Marks: 100 Credits :4
<p><b>Course Objectives:</b></p> <ol style="list-style-type: none"> <li>1. To comprehend the fundamental accounting concepts and conventions &amp; to acquire the fundamental knowledge of Accounting Process</li> <li>2. To demonstrate the ability to prepare Trading and Profit &amp; Loss Account and Balance Sheet for a sole proprietary business.</li> <li>3. To provide students with a comprehensive knowledge of concepts of Cost, Cost Accounting, and various Elements of Cost &amp; preparation of Cost Sheet.</li> <li>4. To facilitate experiential learning through preparation of Cost Sheet for small businesses.</li> </ol>			
<p><b>Course Outcome:</b></p> <p>After completing the course, the student shall be able to:</p> <p><b>CO1:</b> Demonstrate a clear understanding of the definition and objectives of financial accounting &amp; understand the fundamental process of accounting.</p> <p><b>CO2:</b> Prepare Trading and Profit &amp; Loss Account and Balance Sheet for sole proprietary businesses.</p> <p><b>CO3:</b> Understand and gain the concepts of Cost, Cost Accounting and various Elements of Cost preparation of Cost Sheet.</p> <p><b>CO4:</b> Understand marginal costing techniques such as BEP, P/V ratio and contribution for business decision making.</p>			
Unit	Unit Title	Contents	No of Lectures
I	Introduction to Financial Accounting & Accounting Process	1.1 Definition and Objectives of Financial Accounting 1.2 Accounting Concepts and Conventions, Introduction to Accounting Standards, Golden Rules 1.3 Accounting Standards 1.4 Generally Accepted Accounting Principles (GAAP) 1.5 International Financial Reporting Standards (IFRS) 1.6 Uses of Financial Accounting 1.7 Accounting Process- Journal Entries, Ledger Posting, Introduction to Subsidiary Books- Cash Book (Problems on Journal Entries & Cash Book)	15
II	Preparation of Final Accounts	2.1 Preparation of Trial balance 2.2 Introduction of Trading and Profit & Loss proprietary business s Account and Balance Sheet of sole proprietary business 2.3 Preparation of Trading and Profit & Loss Account and Balance Sheet of sole proprietary business with adjustments. (Problems on Sole Proprietary business)	15
III	Introduction to Cost Accounting	3.1 Meaning, Objectives, Importance Advantages and Limitations of Cost Accounting 3.2 Cost Concepts & Cost units Types of Costs Elements of Cost, Classification of Costs, Concept of Cost Unit, Cost Center. 3.3 Cost Centre – Meaning and Types 3.4 Classification of Costs (Direct & Indirect Cost, Fixed & Variable Cost) 3.5 Elements of Cost – Material, Labour and Overheads	15

		3.6 Preparation of Cost Sheet Practical Problems on Cost Sheet	
IV	Marginal Costing	4.1 Meaning and Importance of Marginal Costing. 4.2 Fixed Cost, Variable Cost and Contribution 4.3 Profit–Volume (P/V) Ratio, Break-Even Point (BEP) & Margin of Safety 4.4 Advantages and Limitations of Marginal Costing 4.5 Practical Problems on Marginal Costing	15
Total no. of lectures			60

**Suggested Readings:**

<b>Sr. No.</b>	<b>Title of Book</b>	<b>Author/s</b>	<b>Publication</b>
1	Financial Accounting	Dr. S. N. Maheshwari and Sharad K. Maheshwari	Vikas Publishing House
2	Financial Accounting	Dr. V. K. Goyal	Prentice Hall India Learning Private Limited
3	Cost Accounting: Principles and Practice	Dr. M. N. Arora	Vikas Publishing House
4	Cost Accounting: A Managerial Emphasis	Dr. S. P. Jain and K. L. Narang	Kalyani Publishers

<b>Course Code:</b> 26BI1-H106	<b>Course: IT Tools</b>		<b>Marks: 50</b> <b>Credits: 2</b>
<b>Course Objectives:</b>			
<ol style="list-style-type: none"> <li>1. To introduce students to the role of Information Technology in global business operations.</li> <li>2. To familiarize students with business information systems and digital platforms used in international trade.</li> <li>3. To develop basic understanding of database management and data handling for business decisions.</li> <li>4. To expose students to emerging technologies such as AI, Blockchain, and FinTech in international business.</li> <li>5. To enhance students' awareness of digital tools for business automation and analytics.</li> </ol>			
<b>Course Outcome:</b>			
After completing the course, the student shall be able to			
<b>CO1:</b> Explain the role of Information Technology in global business and digital transformation.			
<b>CO2:</b> Understand the use of Business Information Systems such as ERP, CRM, and MIS.			
<b>CO3:</b> Apply basic database concepts and simple SQL queries for business data management.			
<b>CO4:</b> Identify emerging technologies such as AI, blockchain, and fintech used in international business.			
<b>CO5:</b> Utilize modern digital tools for business productivity, automation, and analytics.			
<b>Unit</b>	<b>Unit Title</b>	<b>Contents</b>	<b>No of Lectures</b>
<b>I</b>	Introduction to IT in International Business	1.1 Evolution of Information Technology in Business 1.2 Role of IT in Global Trade and International Business 1.3 Digital Transformation in Organizations 1.4 E-Business and E-Commerce Platforms 1.5 Business Information Systems (MIS, ERP, CRM) 1.6 Cybersecurity Basics in Business	14
<b>II</b>	Database Management & Emerging Technologies in Business	2.1 Introduction to databases and DBMS 2.2 Data organization and data management 2.3 Basics of SQL for business data 2.4 Artificial Intelligence in Business 2.5 Generative AI tools for business productivity 2.6 Business automation tools (Zapier, Make, Power Automate) 2.7 Business analytics and dashboards 2.8 Blockchain in international trade 2.9 Digital payment systems and fintech	16
<b>Total No of Lectures</b>			30

**Suggested books:**

<b>Sr. No.</b>	<b>Title of Book</b>	<b>Author/s</b>
1	Business Analytics	James Evans
2	CompTIA IT Fundamentals	CompTIA
3	The Digital Transformation Playbook	David L. Rogers

<b>Course Code:</b> 26BI1-A107	<b>Subject: English for Business Communication</b>		<b>Marks: 50</b> <b>Credits: 2</b>
<b>Course Objectives:</b>			
<ol style="list-style-type: none"> <li>To understand the English grammar and develop writing skills.</li> <li>To understand and develop the professional communication skills.</li> </ol>			
<b>Course Outcome:</b>			
After completing the course, the student shall be able to			
<b>CO1:</b> Demonstrate basic knowledge of English grammar and writing skills			
<b>CO2:</b> Develop the professional communication skills			
<b>Unit</b>	<b>Unit Title</b>	<b>Contents</b>	<b>No. of Lectures</b>
I	Basic English Grammar & writing skills	1.1 Active and Passive voice, tenses 1.2 Identifying nouns, adjectives, adverbs, pronouns, punctuations 1.3 Paraphrasing 1.4. Concept, need and functions of writing skills like Business Correspondence 1.5 Essentials of Business Letters 1.6 Seven C's of Business Letters 1.7 Types of Business letters 1.8 Layout/Drafting of business letter. 1.9 Business Correspondence: Enquiry Letter, Reply to 1.10 enquiry, Purchase Order, Credit & Status enquiry letter, Sales Letter, Complaint letter, promotional letter, leave application and resignation letters 1.11 Dialog Writing, Notice and Circular writing, Blog Writing	15
II	Introduction to Professional Communication Skills and their methods	2.1 Communication - meaning, importance, communication process model 2.2. Process of Communication 2.3. Barriers in Communication 2.4. Verbal Communication, Non-verbal Communication, 2.5. Formal Communication, Informal Communication. 2.6. Oral communication- Objectives, Functions, Advantages and Disadvantages. Types of Oral Communication 2.7. Written communication, Pros and Cons of written communication, Constraints in developing effective written communication. 2.8 Non-Verbal Communication- Objectives, Functions, Advantages and Disadvantages. Forms of Non- Verbal Communication	15
<b>Total No of Lectures</b>			30

<b>Sr. No.</b>	<b>Title</b>	<b>Author</b>
1	Business Communication	K. K. Sinha
2	Business Correspondence & Report Writing	R. C. Sharma & Krishan Moha
3	Communication	C.S. Rayudu

4	Business Communication	Asha Kaul
5	Soft Skills	Dr. Alex
6	Essentials of Business Communication	Rajendra Pal & Korlahalli
7	Managerial Communication	P. D. Chaturvedi & Mukesh Chaturvedi
8	Business Communication	Prasad , SOna
9	Business Communication	Jain V.K
10	Business Communication	Rai, Urmila
11	Business Communication	Hiremth ,Saroj
12	Business Communication	Ashish , Aishwarya
13	Business Communication	ICMR – ICFAI Centre for Management Research

Course Code: 26BI1-A108	Course: Environmental Studies and Sustainability I		Marks: 50 Credits: 2
<p><b>Course Objectives:</b></p> <ol style="list-style-type: none"> <li>1. Introduce students to the philosophical and ethical foundations of environmental responsibility.</li> <li>2. Familiarize students with sustainability concepts relevant to business and economic development.</li> <li>3. Explain the idea of carbon footprint, carbon markets, and climate responsibility in corporate practice.</li> <li>4. Provide an understanding of green finance, Green Marketing, Green Human Resource and ESG frameworks used in modern corporate governance.</li> <li>5. Explore innovative sustainability approaches such as biomimicry and circular economy models.</li> </ol>			
<p><b>Course Outcome:</b></p> <p>After completing the course, the student shall be able to</p> <p>CO1: Explain the principles of environmental ethics and sustainable development and analyze the role of businesses in addressing climate change and environmental challenges.</p> <p>CO2: Understand the concept of carbon footprint and emerging carbon markets.</p> <p>CO3: Evaluate green finance instruments and ESG practices used in corporate governance.</p> <p>CO4: Identify innovative sustainability approaches such as biomimicry and circular economy models.</p>			
Unit	Unit Title	Contents	No. of Lectures
I	Environmental Ethics and Sustainable Development	<ul style="list-style-type: none"> <li>• Meaning and scope of environmental ethics</li> <li>• Aspects of Sustainable development (Environmental, Economic, Social, Cultural, Technological, Political)</li> <li>• Anthropocentric and eco centric perspectives</li> <li>• Environmental Index Parameters</li> <li>• Economic Sustainability Index Parameters</li> <li>• Environmental stewardship and ethical responsibility</li> <li>• Sustainable development and intergenerational equity</li> <li>• Tragedy of the Commons</li> <li>• United Nations Sustainable Development Goals (SDGs)</li> <li>• Corporate Social Responsibility (CSR) and environmental responsibility</li> <li>• Triple Bottom Line: People, Planet, Profit</li> <li>• Integration of Triple Bottom Line</li> </ul>	8
II	Carbon Footprint and Carbon Economy	<ul style="list-style-type: none"> <li>• Concept of carbon footprint and climate change</li> <li>• Measurement of carbon emissions</li> <li>• Corporate carbon accounting</li> <li>• Carbon as the “new currency” in global environmental governance</li> <li>• Carbon credits and carbon markets</li> <li>• Carbon pricing mechanisms: carbon tax and cap-and-trade</li> <li>• Net-zero commitments and corporate climate strategies</li> </ul>	7
III	Green Finance, Marketing, HR and Sustainable Business	<ul style="list-style-type: none"> <li>• Meaning and importance of green finance/HR/Marketing</li> <li>• Climate finance and sustainable investment</li> <li>• Green bonds 2.0</li> <li>• Sustainability -linked financial instruments</li> <li>• ESG (Environmental, Social and Governance) framework</li> <li>• AI- Based ESG scoring</li> </ul>	7

		<ul style="list-style-type: none"> <li>• Carbon Credit Markets</li> <li>• Block Chain based Green Bonds</li> <li>• Paper less HR systems</li> <li>• Circular economy principles</li> <li>• Sustainable supply chains and resource efficiency</li> </ul>	
IV	Biomimicry and Future of Sustainable Business	<ul style="list-style-type: none"> <li>• Concept of biomimicry and nature-inspired innovation</li> <li>• Principles of ecological design</li> <li>• Applications of biomimicry in business and industry</li> <li>• Nature-inspired product design and architecture</li> <li>• Green entrepreneurship and sustainability innovation</li> <li>• Climate-tech and sustainable business models</li> <li>• Corporate leadership in environmental responsibility</li> </ul>	8
Total No. of Lectures			30

***Suggested Readings:***

1. Janine Benyus — *Biomimicry: Innovation Inspired by Nature*
2. Andrew J. Hoffman — *Business and Sustainability*
3. Dieter Helm — *Burn Out: The Endgame for Fossil Fuels*
4. OECD — *Green Finance and Investment Reports*
5. United Nations — *Sustainable Development Goals Report*
6. Michael E. Porter & Mark Kramer — “Creating Shared Value,” *Harvard Business Review*
7. UNEP — *Green Economy Report*

<b>Course Code:</b> 26BI1-K109	<b>Course: Sports Proficiency and Participation in Sports Competitions</b> (Inter-Collegiate Level)	<b>Marks: 50</b> <b>Credits :2</b>
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**Course Objectives:**

1. Encourage participation in inter-collegiate sports competitions.
2. Develop physical fitness, discipline and sportsmanship.
3. Identify and nurture sports talent.
4. Promote holistic development as per NEP 2020.
5. Develop leadership, perseverance and confidence.

**Course Outcome:**

After completing the course, the student shall be able to:

**CO1:** Participate actively in inter-collegiate sports competitions and represent the institution with improved competitive skills.

**CO2:** Demonstrate improved physical fitness, discipline, teamwork, and sportsmanship through regular participation in sports activities.

**CO3:** Identify individual sports abilities and talents and apply systematic training methods to enhance performance.

**CO4:** Integrate physical activity, well-being, and value-based learning in accordance with the vision of the National Education Policy 2020 (NEP 2020) for holistic development.

**CO5:** Exhibit leadership qualities, perseverance, self-confidence, and decision-making abilities through participation in team and individual sports activities.

Unit	Unit Title	Contents	No. of Lectures
I	Physical Fitness Development	Strength, Endurance, Flexibility, Speed, Agility, Balance, Coordination, Reaction Time, Body Composition	15 Hours
II	Sports Training and Practice	Skill training, practice sessions, drills, sport specific techniques and practice matches	15 Hours
III	Sports Nutrition and Recovery	Balanced diet, hydration, rest, recovery methods and injury prevention	10 Hours
IV	Participation in Sports Competitions	Participation in inter-collegiate sports competitions and trials	20 Hours

**Suggested Readings:**

Sr.	Title of the Book	Author/s	Publication
1.	Foundation of Physical Education, Exercise Science and Sports.	Bucher, C. A., & Wuest, D. A.	Tata McGraw Hill Education Private Limited
2.	Science of Sports Training	Dr. Hardayal Singh	Friends Publications
3.	Advanced Fitness Assessment and exercise prescription	Hayward, V	Human Kinetics,
4.	Physical Activity and Health Guidelines	Rahl, R. V	Human Kinetics.
5.	Essentials of Physical Education	Ajmar Singh	Kalyani Publication.
6.	Health, Exercise and Fitness	Muller, J.	Sports Publication.
7.	Fundamentals of Sports Training	L. Matveyev	Friends Publications

<b>Course Code:</b> 26BI1-K117	<b>Course: National Cadet Corps - I</b>	<b>Marks: 50</b> <b>Credits: 02</b>	
<b>Course Objectives:</b>			
1. To introduce students to the concept of discipline, leadership, and citizenship. 2. To develop awareness about the role of youth in nation-building and community development. 3. To familiarize students with basic concepts of personality development and teamwork. 4. To prepare students for advanced understanding of NCC organisation and Armed Forces in higher semesters.			
<b>Course Outcome:</b>			
After completing the course, the student shall be able to			
CO1. demonstrate an understanding of discipline, leadership, and civic responsibilities.			
CO2. explain the role of youth in social service and national development.			
CO3. develop teamwork, communication skills, and leadership qualities.			
CO4. build a foundation for further learning about NCC and the Armed Forces.			
<b>Unit</b>	<b>Unit Title</b>	<b>Contents</b>	<b>No. of Lectures</b>
I	Citizenship, Discipline and Leadership	1.1 Meaning and importance of discipline 1.2 Duties and responsibilities of citizens 1.3 Fundamental Duties under the Constitution of India 1.4 Leadership: Meaning, qualities and types 1.5 Role of youth in nation building 1.6 Social responsibility and community service 1.7 Teamwork and group dynamics	15
II	Personality development & Introduction to NCC	2.1 Personality development: Meaning and importance 2.2 Communication skills and confidence building 2.3 Time management and goal setting 2.4 Health, hygiene and physical fitness 2.5 Environmental awareness and sustainability 2.6 Social service activities and community engagement 2.7 Introduction to NCC activities and opportunities	15
Total No. of Lectures			30

<b>Sr. No.</b>	<b>Title of the Book</b>	<b>Author/s</b>	<b>Publication</b>
1	NCC: Handbook	R.K. Gupta	Ramesh Publishing House
2	NCC Army Wing	RPH Editorial Board	Ramesh Publishing House
3	MISSION NCC MCQ Book	Nitin Nikode	Ujwala Prakashan
4	NCC Army, Air Force & Navy Wings Guide	Arihant Experts	Arihant Publications

<b>Course Code:</b> 26BI1-K118	<b>Subject: National Service Scheme I</b>		<b>Marks: 50</b> <b>Credits: 02</b>
<b>Course Objectives:</b>			
<ol style="list-style-type: none"> <li>To help learners know about NSS in the context of youth, community and voluntary service.</li> <li>To propagate yoga as a way of healthy living.</li> </ol>			
<b>Course Outcome:</b>			
After completing the course, the student shall be able to:			
<b>CO1:</b> Learners will have the knowledge about NSS and its role in the fields of health, hygiene and sanitation so as to build a strong country.			
<b>CO2:</b> They will be able to use Yoga for healthy living.			
<b>Unit</b>	<b>Unit Title</b>	<b>Contents</b>	<b>No. of Lectures</b>
I	Life Competencies & Youth Leadership	Definition and importance of life competencies; communication and soft skills; Youth leadership	10
II	Youth Health and Yoga	Healthy lifestyles; drugs and substance abuse, History and philosophy of yoga; Yoga for healthy living	20
Total No. of Lectures			30

**Suggested Readings:**

- NSS Manual
- National Youth Policy Document
- National Service Scheme - A Youth Volunteers Programme For Under Graduate Students as Per UGC Guidelines by J D S Panwar, A K Jain & B K Rathi (Astral)
- Communication Skills by N Rao & R P Das (HPH)
- Light on Yoga by B K Iyenger (Thorsons)
- Guide to Report Writing by Michael Netzley and Craig Snow (Pearson)

<b>Course Code:</b> 26BI1-K119	<b>Subject: Youth Red Cross I</b>		<b>Marks: 50</b> <b>Credits: 02</b>
<b>Course Objectives:</b>			
5. To introduce college students to the functioning and activities of the Red Cross Society at the global level.			
6. To develop an understanding of humanitarian principles and ethical values.			
<b>Course Outcome:</b>			
After completing the course, the student shall be able to:			
<b>CO1:</b> Understand the functioning and various activities carried out by the Red Cross Society at the global level.			
<b>CO2:</b> Apply humanitarian principles and ethical values while performing social and community service activities.			
<b>Unit</b>	<b>Unit Title</b>	<b>Contents</b>	<b>No. of Lectures</b>
I	Introduction to Red Cross Society	1.1 History and Mission of the International Red Cross and Red Crescent Movement 1.2 Fundamental Principles of the Red Cross – Humanity, Impartiality, Neutrality, Independence, Voluntary Service, Unity, and Universality 1.3 Organisation of the Red Cross Movement 1.4 Functions of the International Committee of the Red Cross (ICRC) 1.5 Role of the International Federation of Red Cross and Red Crescent Societies (IFRC) 1.6 Functions of National Red Cross Societies (NRCS) 1.7 Functions of the Indian Red Cross Society (IRCS) 1.8 Red Cross Activities at the State Level 1.9 Red Cross Activities at the Pune District Branch.	15
II	Humanitarian Principles & Ethics	2.1 Understanding humanitarian principles in action 2.2 Ethical considerations in humanitarian work 2.3 Respect for cultural diversity and inclusivity 2.4 Upholding the dignity and rights of individuals in need 2.5 Group discussions and case studies on humanitarian dilemmas.	15
<b>Total No. of Lectures</b>			<b>30</b>

### Suggested Readings

Sr. No.	Title of Book	Author/s	Publication
1	Fundamentals of the Red Cross	Henry Dunant	International Committee of the Red Cross
2	The Red Cross Movement: History and Principles	Caroline Moorehead	HarperCollins
3	Introduction to the International Red Cross and Red Crescent Movement	International Committee of the Red Cross	International Committee of the Red Cross
4	Community Health and First Aid	B. Sridhar Rao	Jaypee Brothers Medical Publishers
5	Indian Red Cross Society – A Handbook	Indian Red Cross Society	Indian Red Cross Society

<b>Course Code:</b> 26BI1-K120	<b>Course: Performing Arts (Cultural and Dramatics Association) I</b>		<b>Marks: 50</b> <b>Credits: 02</b>
<b>Course Objectives:</b>			
<ol style="list-style-type: none"> <li>To provide students with a comprehensive understanding of the performing arts disciplines of Dance, Drama, and Music.</li> <li>To explore the management of stage and learn it as a skill.</li> </ol>			
<b>Course Outcome:</b>			
After completing the course, the student shall be able to			
<ol style="list-style-type: none"> <li>Demonstrate a comprehensive understanding of the fundamental concepts and practices of Dance, Drama, and Music.</li> <li>Students will be able to articulate the stage management skills.</li> </ol>			
<b>Unit</b>	<b>Unit Title</b>	<b>Contents</b>	<b>No. of lectures</b>
I	Introduction to Performing Arts	2.1 Overview of Dance, Drama, Music 2.2 Skills required for Performing Arts- Verbal Communication, Body Language, Facial Expressions, etc. 2.3 Vocal skills- Voice Modulation, Tone, Pitch, Diction.	15
II	Introduction Stage Management	2.1 Stage management- Meaning, Role of the stage manager. 2.2 The prompt book: Contact Sheet, Prop list, Calling sheet. 2.3 Pre-production phase: Lighting cues, sound effects, Costume changes.	15
Total No. of Lectures			<b>30</b>

#### References

Sr. No.	Title of the Book	Author/s	Publication
1	Theater: The Lively Art	Edwin Wilson	McGraw Hill
2	The Oxford Handbook of Dance and Theatre	Nadine George-Graves	Oxford Handbook