MANONMANIAM SUNDARANAR UNIVERSITY

TIRUNELVELI – 12

B.A.ENGLISH SYLLABUS

FROM THE ACADEMIC YEAR 2023-2024

**TAMILNADU STATE COUNCIL FOR HIGHER EDUCATION,
CHENNAI – 600005**

CONTENTS

Introduction

The undergraduate programme BA English, aims for students to leverage their knowledge of the English Language for analyzing literature, history, and its modern aspects through the core subjects. In addition, the course explores the intricacies of the English Language and its implementation in diverse fields. Moreover, the subjects in a BA English course are composed by detail – oriented educators, providing a weighty syllabus related to diverse aspects of English literature and the language world.

The BA English subjects lists most significant and initial subject is the English Language. Initiating the three-year journey with the basics of English is necessary to further understand the in – depth concepts, complex language, and intricacies of world literature. The subject deals with a basic understanding of English grammar, with its origin, evolution, advancement, and further change with the modern world. The English language is also necessary to proceed toward complex study slowly. It also narrates the history of English, which can be very engaging and insightful for English learners. The subject allows learning the historical beginning and significance of English literature. Since the richness of English literature is heavily reliant on its history; therefore, this subject gathers the core English history modules covering the details of literature from different regions of the world. English literature also projects societal and cultural changes through the centuries that are reflected through its written works. As a student proceeds ahead, fields and specifications clear a lot better by possessing the knowledge and base of English literature, which is in its history.

A language's most significant trait is to communicate, and this BA course English subject is added to the syllabus with the same intention. Communication in BA English grants students the depth of using English as a communication medium. Fundamentals, theories, and communication tools are provided to the students to further enhance their English skills and make them more accomplishable. Communication subject also comprises the study of creative writing and public relations, helping students get enrolled in communication- based courses with the right foundation.

Under Graduate Programme

Programme Outcomes:

PO1: Disciplinary Knowledge: Capable of demonstrating comprehensive knowledge and understanding of one or more disciplines that form a part of an undergraduate programme of study.

PO2: Critical Thinking: Capability to apply analytic thought to a body of knowledge; analyse and evaluate evidence, arguments, claims, beliefs on the basis of empirical evidence; identify relevant assumptions or implications; formulate coherent arguments; critically evaluate practices, policies and theories by following scientific approach to knowledge development.

PO3: Problem Solving: Capacity to extrapolate from what one has learned and apply their competencies to solve different kinds of non-familiar problems, rather than replicate curriculum content knowledge; and apply one's earning to real life situations.

PO4: Analytical Reasoning: Ability to evaluate the reliability and relevance of evidence; identify logical flaws and holes in the arguments of others; analyze and synthesize data from a variety of sources; draw valid conclusions and support them with evidence and examples and addressing opposing viewpoints.

PO5: Scientific Reasoning: Ability to analyse, interpret and draw conclusions from quantitative/qualitative data; and critically evaluate ideas, evidence, and experiences from an open minded and reasoned perspective.

PO6: Self-directed & Lifelong Learning: Ability to work independently, identify and manage a project. Ability to acquire knowledge and skills, including "learning how to learn", through self-placed and self-directed learning aimed at personal development, meeting economic, social and cultural objectives.

PO7: Reflective Thing: Critical sensibility to lived experiences, with self awareness and reflexivity of both self and society

PO8: Reading & Projects: Document their reading and interpretive practices in assignments, translation works, and independent projects.

PO9: Confidence & Effectiveness: Confidently and effectively articulate their literary and textual experiences.

PO 10: Social Skills & Empathetic Approach: Reorganize a professional and reflective approach to leadership, responsibility, personal integrity, empathy, care and respect for others, account ability and self regulation.

B.A. ENGLISH

Programme Specific Outcomes:

PSO1: Acquire good knowledge and understanding, to solve specific theoretical & applied problems in different area of English Language and Literature.

PSO2: Explore the avenues of World Literatures.

PSO3: To prepare the students who will demonstrate respectful engagement with other's ideas, behaviors, beliefs and apply diverse frames of references to decisions and actions. To create effective entrepreneurs by enhancing their critical thinking, problem solving, decision making and leadership skill that will facilitate startups and high potential organizations.

PSO4: Developing a research framework and presenting their independent ideas effectively.

PSO5: Equipping their employability skills to excel in professions like teaching and exposing them to various activities to empower them through communication skills.

PSO6: Enabling a holistic perspective towards the socio-political inequalities and environmental issues.

Mapping of Course Learning Outcomes (CLOs) with Programme Outcomes (POs) and Programme Specific Outcomes (PSOs) can be carried out accordingly, assigning the appropriate level in the grids:

	Pos							PSOs		
	1	2	3	4	5	6	…	1	2	…
CLO1										
CLO2										
CLO3										
CLO4										
CLO5										

Highlights of the Revamped Curriculum:

❖ Student-centric, meeting the demands of society, incorporating skill enhancement modules, project with viva-voce, exposure to entrepreneurial skills, training for competitive examinations, sustaining the quality of the core components and incorporating application oriented content wherever required.

❖ The Core subjects include the important historical and political milestones in English literature, from the early times to the present.

❖ The mandatory "Professional Competency Skill" introduced in the final semester

will enable the students to utilize the skills acquired through the programme.

❖ The curriculum is designed so as to provide more job opportunities for the students.

❖ The "Skill Enhancement Courses" provide scope for employability in fields of teaching, content writing, translating, communication and media.

❖ The Internship during the second year vacation will help the students gain valuable work experience that connects classroom knowledge to real world experience and to narrow down and focus on the career path.

❖ Project with viva-voce component in the fifth semester enables application of conceptual knowledge to practical situations. Such innovative provisions of the project and internships will give students an edge over the counterparts in the job market.

❖ State-of Art techniques from the streams of multi-disciplinary, cross disciplinary and interdisciplinary nature are incorporated as Elective courses, covering conventional topics.

Value additions in the Revamped Curriculum:

Semester	Newly introduced Components	Outcome/Benefits
I	**Foundation Course** To ease the transition of learning from higher secondary to higher education, providing an over view of the pedagogy of learning Literature and analysing the world through the literary lens gives rise to a new perspective.	❖ Instill confidence among students ❖ Create interest for the subject
I, II, III, IV	**Skill Enhancement papers** (Discipline centric / Generic / Entrepreneurial)	❖ Industry ready graduates ❖ Skilled human resource ❖ Students are equipped with essential skills to make them employable ❖ Training on language and communication skills enable the students gain knowledge and exposure in the competitive world. ❖ Discipline centric skill will improve the Technical to know how to solve real life problems.

III, IV, V & VI	Elective Papers	❖ Strengthening the domain knowledge ❖ Introducing the stake holders to the State-of Art techniques from the streams of multi-disciplinary, cross disciplinary and inter-disciplinary nature ❖ Emerging topics in higher education / industry / communication network / health sector etc. are introduced with hands-on-training.
IV Semester	Elective Papers	❖ Exposure to industry moulds students into solution providers ❖ Generates Industry ready graduates ❖ Employment opportunities enhanced
V Semester	Elective Papers	❖ Self-learning is enhanced ❖ Application of the concept to real situation is conceived resulting in tangible outcome
VI Semester	Elective Papers	❖ Enriches the study beyond the course. ❖ Developing are search framework and presenting their independent and intellectual ideas effectively.
Extra Credits: For Advanced Learners / Honors degree		❖ To cater to the needs of peer learners / research aspirants
Skills acquired from the Courses		❖ Knowledge, Problem Solving Analytical Ability, Professional Competency, Professional Communication and Transferrable Skill

4. Credit Distribution for UG Programme in English

Sem I	Credit	Hr.	Sem II	Credit	Hr.	Sem III	Credit	Hr.	Sem IV	Credit	Hr.	Sem V	Credit	Hr.	Sem VI	Credit	Hr.
Part I Language - Tamil	3	6	Part I Language - Tamil	3	6	Part I Language - Tamil	3	6	Part I Language - Tamil	3	6	5.1. Core Course - CC IX	4	5	6.1 Core Course - CC XIII	4	6
Part II English	3	6	Part II English	3	6	Part II English	3	6	Part II English	3	6	5.2 Core Course – CC X	4	5	6.2 Core Course –CC XIV	4	5
1.3 Core Course – CC I	5	5	2..3 Core Course – CC III	5	5	3.3 Core Course – CC V	5	5	4.3 Core Course – CC VII Core Industry Module	5	5	5.3. Core Course CC XI	4	5	6.3 Core Course – CC XV	4	6
1.4 Core Course – CC II	5	5	2.4 Core Course – CC IV	5	5	3.4 Core Course – CC VI	5	5	4.4 Core Course – CC VIII	5	5	5. 4. Core Course - Project with viva-voce CC XII	4	5	6.4 Elective - VII Generic/ Discipline Specific	3	5
1.5 Elective I Generic/ Discipline Specific	3	4	2.5 Elective II Generic/ Discipline Specific	3	4	3.5 Elective III Generic/ Discipline Specific	3	4	4.5 Elective IV Generic/ Discipline Specific	3	3	5.5 Elective V Generic/ Discipline Specific	3	4	6.5 Elective VII Generic/ Discipline Specific	3	5
1.6 Skill Enhancement Course SEC-1	2	2	2.6 Skill Enhancement Course SEC-2	2	2	3.6 Skill Enhancement Course SEC-4, (Entrepreneurial Skill)	1	1	4.6 Skill Enhancement Course SEC-6	2	2	5.6 Elective VI Generic/ Discipline Specific	3	4	6.6 Extension Activity	1	-
1.7 Skill Enhancement - (Foundation Course)	2	2	2.7 Skill Enhancement Course – SEC-3	2	2	3.7 Skill Enhancement Course SEC-5	2	2	4.7 Skill Enhancement Course SEC-7	2	2	5.7 Value Education	2	2	6.7 Professional Competency Skill	2	2
						3.8 E.V.S.	-	1	4.8 E.V.S	2	1	5.8 Summer Internship /Industrial Training	2				
	23	30		23	30		22	30		25	30		26	30		21	30
															Total – 140 Credits		

Choice Based Credit System (CBCS), Learning Outcomes Based Curriculum Framework (LOCF) Guideline Based Credit and Hours Distribution System - UG

First Year – Semester-I

Part	List of Courses	Credit	No. of Hours
Part-1	Language – Tamil	3	6
Part-2	English	3	6
Part-3	Core Courses & Elective Courses	13	14
Part-4	Skill Enhancement Course SEC-1	2	2
	Foundation Course	2	2
		23	**30**

Semester-II

Part	List of Courses	Credit	No. of Hours
Part-1	Language – Tamil	3	6
Part-2	English	3	6
Part-3	Core Courses & Elective Courses	13	14
Part-4	Skill Enhancement Course -SEC-2	2	2
	Skill Enhancement Course -SEC-3 (Discipline / Subject Specific)	2	2
		23	**30**

Second Year – Semester-III

Part	List of Courses	Credit	No. of Hours
Part-1	Language – Tamil	3	6
Part-2	English	3	6
Part-3	Core Courses & Elective Courses	13	14
Part-4	Skill Enhancement Course -SEC-4 (Entrepreneurial Based)	1	1
	Skill Enhancement Course -SEC-5 (Discipline / Subject Specific)	2	2
	E.V.S	-	1
		22	**30**

Semester-IV

Part	List of Courses	Credit	No. of Hours
Part-1	Language - Tamil	3	6
Part-2	English	3	6
Part-3	Core Courses & Elective Courses	13	13
Part-4	Skill Enhancement Course -SEC-6 (Discipline / Subject Specific)	2	2
	Skill Enhancement Course -SEC-7 (Discipline / Subject Specific)	2	2
	E.V.S	2	1
		25	**30**

Third Year - Semester-V

Part	List of Courses	Credit	No. of Hours
Part-3	Core Courses including Project / Elective Based	22	26
Part-4	Value Education	2	2
	Internship / Industrial Visit / Field Visit	2	2
		26	**30**

Semester-VI

Part	List of Courses	Credit	No. of Hours
Part-3	Core Courses including Project / Elective Based	18	28
Part-4	Extension Activity	1	-
	Professional Competency Skill	2	2
		21	**30**

5. **Consolidated Semester wise and Component wise Credit distribution**

Parts	Sem I	Sem II	Sem III	Sem IV	Sem V	Sem VI	Total Credits
Part I	3	3	3	3	-	-	12
Part II	3	3	3	3	-	-	12
Part III	13	13	13	13	22	18	92
Part IV	4	4	4	5	4	3	24
Total	23	23	23	24	26	21	**140**

*Part I, II, and Part III components will be separately taken into account for CGPA calculation and classification for the under graduate programme and the other components. Part IV has to be completed during the duration of the programme as per the norms, to be eligible for obtaining the UG degree

6. Illustration for B.A. English Curriculum Design

I YEAR

FIRST SEMESTER

Sl. NO.	Course Category	Course	Credit Distribution				Credits	Total Contact Hours/ Week	Marks		
			L	T	P	S			CIA	ESE	Total
1	Part–I	LANGUAGE - Tamil	3	3			3	6	25	75	100
2	Part–II	ENGLISH	3	3			3	6	25	75	100
3	Part - III CORE 1	INTRODUCTION TO LITERATURE	3	2			5	5	25	75	100
4	Part – III CORE 2	INDIAN WRITING IN ENGLISH	3	2			5	5	25	75	100
5	Part – III ELECTIVE I	SOCIAL HISTORY OF ENGLAND	2	2			3	4	25	75	100
6	Part-IV	SKILL ENHANCEMENT COURSE I	1	1			2	2	25	75	100
		SKILL ENHANCEMENT COURSE (FOUNDATION COURSE)	1	1			2	2			
		TOTAL					23	30			

SECOND SEMESTER

Sl. No	Course Category	Course	Credit Distribution				Credits	Total Contact Hours /Week	Marks		
			L	T	P	S			CIA	ESE	Total
1	PART I	LANGUAGE	3	3			3	6	25	75	100
2	PARTII	ENGLISH	3	3			3	6	25	75	100
3	PART III CORE 3	BRITISH LITERATURE–I	3	2			5	5	25	75	100
4	PART III CORE 4	AMERICAN LITERATURE	3	2			5	5	25	75	100
5	PART III ELECTIVE II	SOCIAL HISTORY OF ENGLAND II	2	2			3	4	25	75	100
6	PART IV	SKILL ENHANCEMENT COURSE-SEC- 2	1	1			2	2	25	75	100
		SKILL ENHANCEMENT COURSE-SEC-3	1	1			2	2	25	75	100
		TOTAL					23	30			

II YEAR

THIRD SEMESTER

Sl. NO	Course Category	Course	Credit Distribution				Credits	Total Contact Hours /Week	Marks		
			L	T	P	S			CIA	ESE	Total
1	PART I	LANGUAGE	3	3			3	6	25	75	100
2	PART II	ENGLISH	3	3			3	6	25	75	100
3	PART III CORE 5	BRITISH LITERATURE-II	3	2			5	5	25	75	100
4	PART III CORE 6	CHILDREN'S LITERATURE	3	2			5	5	25	75	100
5	PART III ELECTIVE III	HISTORY OF ENGLISH LITERATURE I	2	2			3	4	25	75	100
6	PART IV	SKILL ENHANCEMENT COURSE-SEC 4 (ENTREPRENEURIAL SKILL)	1	0			1	1	25	75	100
		SKILL ENHANCEMENT COURSE SEC 5	1	1			2	2	25	75	100
		EVS	1	0				1	25	75	100
		TOTAL					22	30			

FOURTH SEMESTER

Sl. NO	Course Category	Course	Credit Distribution				Credits	Total Contact Hours/ Week	Marks		
			L	T	P	S			CIA	ESE	Total
1	PART I	LANGUAGE	3	3			3	6	25	75	100
2	PART II	ENGLISH	3	3			3	6	25	75	100
3	PART III CORE 7	WORLD LITERATURE IN TRANSLATION	3	2			5	5	25	75	100
4	PART III CORE 8	LANGUAGE AND LINGUISTICS	3	2			5	5	25	75	100
5	PART III ELECTIVE IV	HISTORY OF ENGLISH LITERATUE II	2	2			3	3	25	75	100
6	PART IV	SKILL ENCHANCEMENT COURSE SEC-6	1	1			2	2	25	75	100
		SKILL ENCHANCEMENT COURSE SEC 7	1	1			2	2	25	75	100
		EVS	1	0			2	1	25	75	100
		TOTAL					25	30			

Manonmaniam Sundaranar University, Tirunelveli

UG Courses - Affiliated Colleges

B.A. English

(Choice Based Credit System)

(with effect from the academic year 2020 – 2021 onwards)

Sem.	Part I/II/III/IV	Sub. No.	Subject Status	Subject Title	Hrs.	Credits
III	I	1	Language	Tamil / Other Language	6	4
	II	2	Language	English	6	4
	III	3	Core – 5	History of English Literature - I	5	4
	III	4	Core – 6	British Poetry	4	4
	III	5	Allied – 3	English Grammar and Usage	3	3
	III	6	Skilled-Based Core – 1	Phonetics and Spoken English	4	4
	IV	7	Non-Major Elective – 1	English for Employability	2	2
	IV	8	Common	Yoga	2	2
			Sub. Total		**30***	**25***
*Excluding Yoga						

Sem.	Part I/II/III/IV	Sub. No.	Subject Status	Subject Title	Hrs.	Credits
IV	I	1	Language	Tamil / Other Language	6	4
	II	2	Language	English	6	4
	III	3	Core – 7	History of English Literature - II	5	4
	III	4	Core – 8	British Drama	4	4

Sem.	Part I/II/III/IV	Sub. No.	Subject Status	Subject Title	Hrs.	Credits
	III	5	Allied – 4	Chicano and Caribbean Literature	3	3
	III	6	Skilled-Based Core – 2	Eco English	4	4
	IV	7	Non-Major Elective – 2	Business English	2	2
	IV	8	Common	Computer for Digital Era	2	2
	V	9	Extension Activity	NCC, NSS, YRC, YWF	-	1
Sub. Total					**30***	**25***

*Excluding Computer for Digital Era

Sem.	Part I/II/III/IV	Sub. No.	Subject Status	Subject Title	Hrs.	Credits
V	III	1	Core – 9	Non-Fiction	5	4
	III	2	Core – 10	Literary Critics and Approaches	5	4
	III	3	Core – 11	World Literature in Translation	5	4
	III	4	Core – 12	Canadian Literature	5	4
	III	5	Major Electives (select 2 courses out of 3)	Women's Writing	4 + 4	4 + 4
		6		Journalism and Mass Communication		
				Creative Writing in English		

Sem.	Part I/II/III/IV	Sub. No.	Subject Status	Subject Title	Hrs.	Credits
	IV	7	Skill Based Subject (Common)	Personality Development / Effective Communication / Youth Leadership	2	2
			Sub. Total		**30***	**26**
VI	III	1	Core – 13	Shakespeare	6	4
	III	2	Core – 14	Australasian Literature	6	4
	III	3	Core – 15	Short-stories and One-act Plays	5	4
	III	4	Core – 16	Regional Literature in Translation	5	4
	III	5	Major Electives (select 2 courses out of 3)	African Literature	4 + 4	4 + 4
				Writing for the Media		
		6		Comparative Literature		
			Sub. Total		**30***	**24**

*140 credits (excluding Part IV and Part V)

MANONMANIAM SUNDARANAR UNIVERSITY, TIRUNELVELI

SYLLABUS FOR ENVIRONMENTAL STUDIES FOR

UNDER GRADUATE COURSES -

PART IV- COMPULSORY PAPER

UNIT I: THE MULTIDISCIPLINARY NATURE OF ENVIRONMENTAL STUDIES

Definition, scope and importance
Natural resources and associated problems:

a) Forest resources: Use and over-exploitation, deforestation, timber extraction, dams and their effects on forests and tribal people.
b) Water resources: Use and over-utilization of surface and ground water, floods, drought, dams-benefits and problems, water conservation and watershed management.
c) Mineral resources: Use and exploitation, environmental effects.
d)   Food resources: World food problems, changes, effects of modern agriculture, fertilizer-pesticide problems.
e) Energy resources: Growing energy needs, renewablesnd lnon renewable energy sources, alternate energy sources.
f)   Land resources: Land as a resource, land degradation, man-induced landslides, soil erosion and desertification.

UNIT II: ECOSYSTEMS

   a) Forest Ecosystem
   b) Grassland Ecosystem
   c) Desert ecosystem
   d) Aquatic Ecosystem (Ponds, rivers, oceans, estuaries)
       Energy flow in the ecosystem
       Ecological succession
       Food Chains, Food Webs and Ecological Pyramids.

UNIT III: BIODIVERSITY AND ITS CONSERVATION

Introduction Definition: Genetic, species and ecosystem diversity.
Biogeographical classification of Jndia
Values of Biodiversity
Biodiversity at global, national and local levels
India as a mega-diversity nation
Hot-Spots of biodiversity
Threats to biodiversity
Endangered and endemic species of India
Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity.

UNIT IV: ENVIRONMENTAL POLLUTION

Definition- Causes, effects and control measures of:-

a) Air Pollution
b) Water Pollution
c) Soil Pollution
d) Marine Pollution
e) Noise Pollution.
f) Thermal Pollution

Solid Waste Management
Disaster Management: Floods, earthquake, cyclone and landslides.

UNIT V: SOCIAL ISSUES AND THE ENVIRONMENT

Climatic change, global warming, acid rain, ozone depletion.
Wasteland reclamation
Consumerism and Waste products, use and through plastics
Environment Protection Act
Air (Prevention and Control of Pollution) Act
Water (Prevention and Control of Pollution) Act
Wildlife Protection Act
Forest Conservation Act
Population Explosion — Family Welfare Programme
Human Rights

REFERENCES:

1. G.S. Vijayalakshmi, A.G. Murugesan and N. Sukumaran. 2006. Basics of Environmental Science, Manonmaniam Sundaranar University Publications, Tirunelveli , pp.160.

2. Agarwal. K.C. 2001. Environmental Biology, Nidi Publications Limited, Bikaner.
3. A.K.De. 1999. Environmental Chemistry, Wiley Eastern Limited, India.
4. Jadhav,H. and Bhosale, V.M.1995. Environmental Protection and Laws, Himalaya Publishing House, Delhi. pp284.
5. Odum, E.P.1971. Fundamentals of Ecology, W.B.Saunders Co., USA. pp.574.

MANONMANIAM SUNDARANAR UNIVERSITY TIRUNELVELI

U.G. PART IV - COURSES – AFFILIATED COLLEGES

(Choice Based Credit System)

(For those who joined from 2021- 2022 onwards)

Value Based Education
II Semester

L	T	P	C
2			2

a. Course Code:

b. Course Objectives:

The course will enable the student to:

1. state the meaning of social justice, human rights, Globalization, mass media and new media
2. enumerate the rights of women, children, Dalits, minorities and physically challenged as per Indian constitution
3. comprehend the social realities and issues and challenges in globalization and inculcate an essential value system towards building a healthy society

c. Course Prerequisites:

a. positive attitude towards social justice and communal harmony
b. aspiration to create a better world
c. respect for Indian constitution, humanity, ethics and value

d. Course Outcome (COs):

After completing the course the students will be able to:

CO1: Identify the contribution of social reformers and factors that influence social justice

CO2: Compare and list the legal rights provided to women, children, Dalits, minorities and physically challenged as per human rights and Indian constitution

CO3: Stay as a responsible citizen and raise voice for any violence against women

CO4: analyze the prospects and challenges in mass media role of media in

CO5: assess the influence of new media on children and youth and use them to inculcate communal harmony and social justice

CO6: frame their own personal values based on social ethics to moderate the social issues and lead a secular society

f. Course Outline:

The course inculcates value and ethics in individual for being a responsible citizen and build a nation with social justice and communal harmony.

Unit I: Social Justice   **Contact Hours: 7**
Social Justice: definition – need – parameters – influencing factors – caste and gender – contributions of social reformers.

Unit II: Human Rights and Marginalized People   **Contact Hours: 8**
Human Rights: concept – principles – human rights and Indian constitution – Rights of Women and children – violence against women – Rights of marginalized people, women, children, dalits, minorities and physically challenged.

Unit III: Social Issues and Communal Harmony   **Contact Hours: 8**
Social issues: causes and magnitude – alcoholism, drug addiction, poverty, unemployment – Communal harmony: concept – religion and its place in public in public domain – separation of region from politics – secularism role of civil society.

Unit IV: Media Education and Globalized World Scenario   **Contact Hours: 7**
Mass media: functions, characteristics, need and purpose – effects and influence – youth and children – media power – socio cultural and political consequences – mass mediated culture – consumeristic culture – Globalization – New media: prospects and challenges

Unit V: Values and Ethics   **Contact Hours: 6**
Personal values – family values – social values – cultural values – Professional values – and overall ethics – duties and responsibilities

Mapping of COs to POs and PSOs

	Course Outcome	PO Addressed	Correlation Level	PSO Addressed	Correlation Level	Cognitive Level
CO1		PO1 to PO8	L/M/H	PSO1 to PSO8	L/ M/ H	K_1 to K_6
CO2						
CO3						
CO4						
CO5						
CO6						

(L – Low, M – Medium, H – High; K_1 – Remember, K_2 – Understand, K_3 – Apply, K_4 – Analyze, K_5 – Evaluate, K_6 – Create)

Reference Books:

1. Francis, K. (1993). *Education reform for social justice (Vol. 2).* Discovery publishing house
2. Satvinder Juss. (2020). *Human rights in India*. Routledge
3. Smarak Swain, S. (2011). *Social issues of India*. New Vishal publications
4. Chakraborty, S. K., Chakraborty, D. (2006). *Human Values and Ethics*. ICFAI University Press
5. David Buckingham. (2013). *Media Education: Literacy, Learning & Contemporary culture*. Wiley Publishers.

MANONMANIAM SUNDARANAR UNIVERSITY
TIRUNELVELI 627012, TAMIL NADU

MANDATORY COURSE (2 Credits)
FOR All UG PROGRAMMES

SYOG3A - YOGA
(From the academic year 2018-19)

Contents

Unit – I – Introduction to Human Body

Body Structure

Systems of Human Body

Body Function

Physical Health

Physical Fitness

Meaning of Wholesome development

Unit – II – Yoga

Origin and development of Yoga

Meaning and importance of Yoga

Yoga as a Science

Principles of Yogic Practices,

Yogic therapies and modern concept of Yoga

Balanced Diet

Unit – III – Mental Health

Mind

Mental Health

Stages of Mind

Mental frequency

Mind training process

Methods of concentration

Brain and memory power

Unit IV –Asanas and Kapalabhati

Importance of preparatory exercises

Meaning of Asana, its types, benefits and principles

Meaning of Kapalabhati, its types, benefits and principles

Unit V – Pranayama and Meditation

Meaning of Pranayama, its types, benefits and principles

Meaning of Meditation, principles and its benefits

Practical

1. Simplified Exercises / Warm-up

2. Yogasana

   a. Standing - Tadasana, Vriksasana, pada hastasana, Ardha Cakrasana, Trikonasana

   b. Sitting - Bhadrasana, ardhaustrasana, sasankasana, vakrasana

   c. Prone - Bhujangasana, salabhasana, makarasana,

   d. Supine – Sethubandhasana, Pavanamutasana, savasana

3. Kapalabhati

4. Pranayama

5. Meditation and Relaxation.

Common Paper for UG and PG Integrated Programmes

COMPUTERS FOR DIGITAL ERA

L	T	P*	C
2	0	0	2

Syllabus (For all U.G Courses & Integrated P.G. Programmes) w.e.f 2017-18   (MANDATORY COURSE)

(For the IV Semester UG/ Integrated PG Students of Departments and Affiliated Colleges of Manonmaniam Sundaranar University with effect from the Academic Year 2017-18.)

Objectives:

1. To create the awareness about the digital India among the student community.

2. To make the student to understand the role of computer in the day to day living.

3. To create the awareness about the e-learning and security issues.

Unit I   FUNDAMENTALS OF COMPUTERS   5 Hrs (3L + 2P)

The role of computers in the modern society – Types of Computers and their specifications – Server – Desk Top Computers - Lap Top – Tablet – Smart Phones - Block diagram of Digital Computer –Working Principle of Computer, I/O Devices – Central Processing Unit – Types of Memory - Display – Port – UPS – Setting up and Maintenance of Computer.

Unit II   TYPES OF SOFTWARE AND OFFICE AUTOMATION   6 Hrs (3L + 3P)

Types of Software with examples – System Software – Application Software – Utility Software - Operating System – Basics on Windows – Introduction to Android –Application Software - Free Open source software – Database and its applications – Office Automation Software – applications of Microsoft Word – Microsoft Power Point – Microsoft Excel.

Unit III   INTERNET AND MOBILE APPLICATIONS   7 Hrs (4L + 3P)

Introduction to computer networks – LAN – WAN – MAN – Wired and wireless network – Wi Fi Networks - Network Devices – Modem – Switch – Router – Broad Band – Leased Lines- Internet – WWW – URL- Browser – e-mail – SMS – MMS - Client Server Computing - Cloud – Public and Private cloud – Mobile Applications.

Unit IV   E – GOVERNANCE IN INDIA   7 Hrs (4L + 2P)

E-Governance initiative by the Government – Digital India Platform – Agencies enabling Digital India - Electronic Payment and Receipt – Digital Locker – e-district service – electronic signature service – Digital AIIMS – India BPO Scheme – Integrated Nutrient Managment – GIS – Mobile Seva App Store- GARV- Grameen Vidyutikaran

Unit V   E – LEARNING AND MOOC   5 Hrs (L)

E – Learning – Digital Library – E- Journals – Introduction to MOOC – Edex – Course era etc - SWAYAM – NPTEL – Cyber Security – Virus – Malware – Network Security - Hacking – Big Data – Data Analytics – Social Networks – Social Media Analytics- Introduction to IT Act.

∗   **10 Hours Practical Sessions are to be allotted for Computer & Mobile Applications**

Suggested List of Exercises:

1. Setting up of computers – Connecting I/O device, UPS, CPU, Printers, Mouse, Key Boards, Pen Drives, etc. (Mandatory)
2. Minor fault findings.
3. Preparing a word Document and saving, copying files, deleting files, renaming files, etc. (Mandatory)
4. Preparing slides – Animation – Slide Transition – Back Ground Changing – Word Art , etc. (Mandatory)
5. Preparing Mark Sheet with Excel - Calculating First Class, second class, etc. (Mandatory)
6. Browsing – Searching for documents – e-mail id creation - Useful mobile apps – downloading. (Mandatory)
7. Data/Wi-Fi Connectivity and Exchanging of Data.
8. Electronic Payment – Online Application Processing
9. Browsing for NPTEL/ SWAYAM Courses
10. Browsing the useful e-learning sites

Learning Outcomes:

At the end of the course the students will be able to:

1. apply the computing technology in their day to day life

2. create awareness regarding digital India initiatives to their surroundings

3. identify the areas where he can extend the digital computing for their benefits.

Text Book:

1. E- Materials of Manonmaniam Sundaranar University on "Computer for Digital Era", http://msuniv.ac.in

References:

1. Andrew S. Tanenbaum, Computer Networks, 4th Edition, Eastern Economy Edition, PHI Private Ltd, New Delhi, 2003.

2. Gautam Shroff, Enterprise Cloud Computing, Technology, Architecture, Applications, Cambridge University Press, First Edition, 2010.

3. Reza B'Far, Mobile Computing Principles, Cambridge University Press, First Edition, 2005.

4. Charles P Pfleeger, Shari Lawrence Pfleeger, Security in Computing, I Edition, Pearson Education, 2003.

5. https://swayam.gov.in

6. http://www.digitalindia.gov.in/content/social-media-analytics

Scheme of Examination	
Internal – 25 Marks	**External – 75 Marks**
Internal Break Up - 15 for Continuous Assessment Test (CAT) + 5 for Assignment + 5 for Seminar. 3 CATs (Two tests on Theory and one on Practical)are to be conducted	

MANONMANIAM SUNDARANAR UNIVERSITY

TIRUNELVELI -12

COMMON SKILL BASED SUBJECT FOR U.G. PROGRAMME

Personality Development

UNIT -I

PERSONALITY - Definition – Determinants – Personality Traits –Theories of Personality – Importance of Personality Development. **SELF AWARENESS** – Meaning – Benefits of Self – Awareness – Developing Self – Awareness. **SWOT** – Meaning – Importance- Application – Components. **GOAL SETTING** Meaning- Importance – Effective goal setting – Principles of goal setting – Goal setting at the Right level.

UNIT – II

SELF MONITORING – Meaning – High self – monitor versus low self monitor – Advantages and Disadvantages self monitor- Self –monitoring and job performance. **PERCEPTION**- Definition- Factor influencing perception- Perception process –Errors in perception – Avoiding perceptual errors. **ATTITUDE** – Meaning- Formation of attitude – Types of attitude - Measurement of Attitudes – Barriers to attitude change – Methods to attitude change. **ASSERTIVENESS** - Meaning – Assertiveness in Communication – Assertiveness Techniques – Benefits of being Assertive – Improving Assertiveness.

UNIT – III

TEAM BUILDING – Meaning – Types of teams – Importance of Team building- Creating Effective Team. **LEADERSHIP** – Definition – Leadership style- Theories of leadership – Qualities of an Effect leader. **NEGOTIATION SKILLS** – Meaning – Principles of Negotiation – Types of Negotiation – The Negotiation Process – Common mistakes in Negotiation process. **CONFLICT MANAGEMENT** – Definition- Types of Conflict- Levels of Conflict – Conflict Resolution – Conflict management .

UNIT –IV

COMMUNICATION – Definition – Importance of communication – Process of communication - Communication Symbols – Communication network – Barriers in communication – Overcoming Communication Barriers. **TRANSACTIONAL ANALYSIS** – Meaning – EGO States – Types of Transactions – Johari Window- Life Positions. **EMOTIONAL INTELLIGENCE**- Meaning – Components of Emotional Intelligence- Significance of managing Emotional intelligence – How to develop Emotional Quotient. **STRESS MANAGEMENT** – Meaning – Sources of Stress – Symptoms of Stress – Consequences of Stress – Managing Stress

UNIT – V

SOCIAL GRACES – Meaning – Social Grace at Work – Acquiring Social Graces. **TABLE MANNERS** – Meaning – Table Etiquettes in Multicultural Environment- Do's and Don'ts of Table Etiquettes. **DRESS CODE** – Meaning- Dress Code for selected Occasions – Dress Code for an Interview. **GROUP DISCUSSION** – Meaning – Personality traits required for Group Discussion- Process of Group Discussion- Group Discusson Topics**. INTERVIEW** – Definition- Types of skills – Employer Expectations –Planning for the Interview – Interview Questions- Critical Interview Questions.

References :

1. Dr.S. Narayana Rajan, Dr. B. Rajasekaran, G. Venkadasalapthi, V. Vijuresh Nayaham and Herald M.Dhas, **Personality Development**, Publication Division, Manonmaniam Sundaranar University, Tirunelveli
2. Stephan P.Robbins, **Organisational Behaviour**, Tenth Edition, Prentice Hall of India Private Limited, New Delhi,2008
3. Jit S. Chandan, **Oragnisational Behaviour**, Third Edition, Vikas Publishing House Private Limited, 2008
4. Dr.K.K. Ramachandran and Dr.K.K. Karthick, **From Campus to Corporate**, Macmillan Publishers India Limited, New Delhi,2010.

4.PROGRAMME STRUCTURE

MANONMANIAMSUNDARANARUNIVERSITY, TIRUNELVELI–627012.
UGCOURSES– AFFILIATEDCOLLEGES
B.Sc. Mathematics
(ChoiceBased Credit System)
(Witheffectfromtheacademicyear2021- 2022 onwards)

Part	Sub. No.	Subject Status	SubjectTitle	Hrs/ Week	Credits	Marks				
						Maximum			Passing Minimum	
						Int.	Ext.	Tot.	Ext.	Tot.
I I	1	Language	Tamil/OtherLanguages	6	4	25	75	100	30	40
II	2	Language	CommunicativeEnglish-I	6	4	25	75	100	30	40
III	3	Core-IPaper-I	Calculus and ClassicalAlgebra	6	4	25	75	100	30	40
	4	Addonmajor(Mandatory) Paper-II	ProfessionalEnglishforPhysicalSciences–I	4	4	25	75	100	30	40
	5	Allied-I(ForMaths students)	Statistics-I OR	6	3	25	75	100	30	40
			Physicswith Practical /Chemistry withPractical/ ComputerScience**	6	5	25	75	100	30	40
		Allied-I (ForScience students)	AlgebraandDifferentialEquations	6	4	25	75	100	30	40
IV	6	Common	EnvironmentalStudies	2	2	25	75	100	30	40
		Total		**30**	**21/23**					
II I	7	Language	Tamil/OtherLanguages	6	4	25	75	100	30	40
II	8	Language	Communicative English-II	6	4	25	75	100	30	40
III	9	Core-IIPaper-III	Differential Equationsand Analytical GeometryofThree Dimensions	6	4	25	75	100	30	40
	10	Addon major(Mandatory)Paper-IV	ProfessionalEnglishforPhysicalsciences-II	4	4	25	75	100	30	40
	11	Allied-II(ForMathsStudents)	Statistics-II OR	6	3	25	75	100	30	40
			Physics with Practical /Chemistry with Practical /ComputerScience**	6	5	25	75	100	30	40
		Allied–II(For ScienceStudents)	Vector Calculus &FourierSeries	6	4	25	75	100	30	40
IV	12	Common	Valuebasededucation	2	2	25	75	100	30	40
		Total		**30**	**21/23**					

**** The Allied Computer Science shall be taken by the Department of Mathematics**

Sem	Part	Sub. No.	Subject Status	Subject Title	Hrs/week	credits	Mark				
							Maximum			Passing minimum	
							Int.	Ext.	Tot.	Ext.	Tot.
III	I	13	Language	Tamil/Other Languages	6	4	25	75	100	30	40
	II	14	Language	English	6	4	25	75	100	30	40
	III	15	CoreIII Paper-V	SequencesandSeries	6	4	25	75	100	30	40
		16	Allied-II	Statistics-I OR Physics with Practical / Chemistrywith Practical / Computer Science	6	3	25	75	100	30	40
					6	5	25	75	100	30	40
		17	Skill Based Core	Vector Calculus	4	4	25	75	100	30	40
	IV	18	Non-Major Elective	Anyoneofthefollowing 1.1) Mathematics forCompetitiveExaminations-I 1.2) Fundamentals of Statistics-I	2	2	25	75	100	30	40
		19	Common	Yoga*	2	2	25	75	100	30	40
			Total		**30**	**25/27**					
IV	I	20	Language	Tamil/Other Languages	6	4	25	75	100	30	40
	II	21	Language	English	6	4	25	75	100	30	40
	III	22	Core-IV Paper-VI	Abstract Algebra	6	4	25	75	100	30	40
		23	Allied-II	Statistics-II OR Physics with Practical / Chemistry with Practical/ Computer Science	6	3	25	75	100	30	40
					6	5	25	75	100	30	40
		24	Skill Based Core	Trigonometry, Laplace Transforms and Fourier Series	4	4	25	75	100	30	40
	IV	25	Non-Major Elective	Anyone of the Following: 2.1) Mathematics for Competitive Examinations-II 2.2) Fundamentals of Statistics-II	2	2	25	75	100	30	40
		26	Common	Computers for Digital Era*	2	2	25	75	100	30	40
	V		Extension activities	NCC/NSS/YRC/YWF/ PE	-	1	-	-	-	-	-
			Total		**30**	**26/28**					
V	III	27	Core-V Paper-VII	LinearAlgebra	5	4	25	75	100	30	40
		28	Core-VI	RealAnalysis	5	4	25	75	100	30	40

			Paper-VIII								
		29	Core-VII Paper-IX	Statics	5	4	25	75	100	30	40
		30	Core-VIII Paper-X	Integral Transforms and Z Transforms	5	4	25	75	100	30	40
		31	Major Elective-I Paper-XI	Anyone of the Following: 1.1) Programming in C 1.2) Discrete Mathematics 1.3) Combinatorial Mathematics	4	4	25	75	100	30	40
		32	Major Elective –II Paper-XII	Anyone of the Following: 2.1) Operations Research-I 2.2) Stochastic Process 2.3) Math Typing using LaTeX	4	4	25	75	100	30	40
	IV	33	Skill Based Common	Personality Development	2	2	25	75	100	30	40
			Total		**30**	**26**					
VI	III	34	Core-IX Paper-XIII	ComplexAnalysis	5	4	25	75	100	30	40
		35	Core-X Paper-XIV	GraphTheory	5	4	25	75	100	30	40
		36	Core-XI Paper-XV	NumberTheory	4	4	25	75	100	30	40
		37	Core-XII Paper-XVI	Dynamics	4	4	25	75	100	30	40
		38	Core-XIII Paper-XVII	NumericalMethods	4	4	25	75	100	30	40
		39	Major Elective-III Paper-XVIII	Any one of the following 3.1) Astronomy 3.2) Fuzzy Mathematics 3.3) Mathematical Modeling	4	4	25	75	100	30	40
		40	Major Elective-IV Paper-XIX	Any one of the following 4.1) Operations Research-II 4.2) Coding Theory 4.3) Programming in C++	4	4	25	75	100	30	40
				Total	**30**	**28**					

MANONMANIAM SUNDARANAR UNIVERSITY, TIRUNELVELI

SYLLABUS FOR ENVIRONMENTAL STUDIES FOR

UNDER GRADUATE COURSES -

PART IV- COMPULSORY PAPER

UNIT I: THE MULTIDISCIPLINARY NATURE OF ENVIRONMENTAL STUDIES

Definition, scope and importance
Natural resources and associated problems:

a) Forest resources: Use and over-exploitation, deforestation, timber extraction, dams and their effects on forests and tribal people.
b) Water resources: Use and over-utilization of surface and ground water, floods, drought, dams-benefits and problems, water conservation and watershed management.
c) Mineral resources: Use and exploitation, environmental effects.
d)   Food resources: World food problems, changes, effects of modern agriculture, fertilizer-pesticide problems.
e) Energy resources: Growing energy needs, renewablesnd lnon renewable energy sources, alternate energy sources.
f)   Land resources: Land as a resource, land degradation, man-induced landslides, soil erosion and desertification.

UNIT II: ECOSYSTEMS

a) Forest Ecosystem
b) Grassland Ecosystem
c) Desert ecosystem
d) Aquatic Ecosystem (Ponds, rivers, oceans, estuaries)
   Energy flow in the ecosystem
   Ecological succession
   Food Chains, Food Webs and Ecological Pyramids.

UNIT III: BIODIVERSITY AND ITS CONSERVATION

Introduction Definition: Genetic, species and ecosystem diversity.
Biogeographical classification of Jndia
Values of Biodiversity
Biodiversity at global, national and local levels
India as a mega-diversity nation
Hot-Spots of biodiversity
Threats to biodiversity
Endangered and endemic species of India
Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity.

UNIT IV: ENVIRONMENTAL POLLUTION

Definition- Causes, effects and control measures of:-

   a) Air Pollution
   b) Water Pollution
   c) Soil Pollution
   d) Marine Pollution
   e) Noise Pollution.
   f) Thermal Pollution

   Solid Waste Management
   Disaster Management: Floods, earthquake, cyclone and landslides.

UNIT V: SOCIAL ISSUES AND THE ENVIRONMENT

Climatic change, global warming, acid rain, ozone depletion.
Wasteland reclamation
Consumerism and Waste products, use and through plastics
Environment Protection Act
Air (Prevention and Control of Pollution) Act
Water (Prevention and Control of Pollution) Act
Wildlife Protection Act
Forest Conservation Act
Population Explosion — Family Welfare Programme
Human Rights

REFERENCES:

1. G.S. Vijayalakshmi, A.G. Murugesan and N. Sukumaran. 2006. Basics of Environmental Science, Manonmaniam Sundaranar University Publications, Tirunelveli , pp.160.

2. Agarwal. K.C. 2001. Environmental Biology, Nidi Publications Limited, Bikaner.
3. A.K.De. 1999. Environmental Chemistry, Wiley Eastern Limited, India.
4. Jadhav,H. and Bhosale, V.M.1995. Environmental Protection and Laws, Himalaya Publishing House, Delhi. pp284.
5. Odum, E.P.1971. Fundamentals of Ecology, W.B.Saunders Co., USA. pp.574.

MANONMANIAM SUNDARANAR UNIVERSITY TIRUNELVELI

U.G. PART IV - COURSES – AFFILIATED COLLEGES

(Choice Based Credit System)

(For those who joined from 2021- 2022 onwards)

Value Based Education
II Semester

L	T	P	C
2			2

a. Course Code:

b. Course Objectives:

The course will enable the student to:

1. state the meaning of social justice, human rights, Globalization, mass media and new media
2. enumerate the rights of women, children, Dalits, minorities and physically challenged as per Indian constitution
3. comprehend the social realities and issues and challenges in globalization and inculcate an essential value system towards building a healthy society

c. Course Prerequisites:

a. positive attitude towards social justice and communal harmony
b. aspiration to create a better world
c. respect for Indian constitution, humanity, ethics and value

d. Course Outcome (COs):

After completing the course the students will be able to:

CO1: Identify the contribution of social reformers and factors that influence social justice

CO2: Compare and list the legal rights provided to women, children, Dalits, minorities and physically challenged as per human rights and Indian constitution

CO3: Stay as a responsible citizen and raise voice for any violence against women

CO4: analyze the prospects and challenges in mass media role of media in

CO5: assess the influence of new media on children and youth and use them to inculcate communal harmony and social justice

CO6: frame their own personal values based on social ethics to moderate the social issues and lead a secular society

f. Course Outline:

The course inculcates value and ethics in individual for being a responsible citizen and build a nation with social justice and communal harmony.

Unit I: Social Justice   **Contact Hours: 7**
Social Justice: definition – need – parameters – influencing factors – caste and gender – contributions of social reformers.

Unit II: Human Rights and Marginalized People   **Contact Hours: 8**
Human Rights: concept – principles – human rights and Indian constitution – Rights of Women and children – violence against women – Rights of marginalized people, women, children, dalits, minorities and physically challenged.

Unit III: Social Issues and Communal Harmony   **Contact Hours: 8**
Social issues: causes and magnitude – alcoholism, drug addiction, poverty, unemployment – Communal harmony: concept – religion and its place in public in public domain – separation of region from politics – secularism role of civil society.

Unit IV: Media Education and Globalized World Scenario   **Contact Hours: 7**
Mass media: functions, characteristics, need and purpose – effects and influence – youth and children – media power – socio cultural and political consequences – mass mediated culture – consumeristic culture – Globalization – New media: prospects and challenges

Unit V: Values and Ethics   **Contact Hours: 6**
Personal values – family values – social values – cultural values – Professional values – and overall ethics – duties and responsibilities

Mapping of COs to POs and PSOs

	Course Outcome	PO Addressed	Correlation Level	PSO Addressed	Correlation Level	Cognitive Level
CO1		PO1 to PO8	L/M/H	PSO1 to PSO8	L/ M/ H	K_1 to K_6
CO2						
CO3						
CO4						
CO5						
CO6						

(L – Low, M – Medium, H – High; K_1 – Remember, K_2 – Understand, K_3 – Apply, K_4 – Analyze, K_5 – Evaluate, K_6 – Create)

Reference Books:

1. Francis, K. (1993). *Education reform for social justice (Vol. 2).* Discovery publishing house
2. Satvinder Juss. (2020). *Human rights in India*. Routledge
3. Smarak Swain, S. (2011). *Social issues of India*. New Vishal publications
4. Chakraborty, S. K., Chakraborty, D. (2006). *Human Values and Ethics*. ICFAI University Press
5. David Buckingham. (2013). *Media Education: Literacy, Learning & Contemporary culture*. Wiley Publishers.

MANONMANIAM SUNDARANAR UNIVERSITY

TIRUNELVELI 627012, TAMIL NADU

MANDATORY COURSE (2 Credits)
FOR All UG PROGRAMMES

SYOG3A - YOGA
(From the academic year 2018-19)

Contents

Unit – I – Introduction to Human Body

Body Structure

Systems of Human Body

Body Function

Physical Health

Physical Fitness

Meaning of Wholesome development

Unit – II – Yoga

Origin and development of Yoga

Meaning and importance of Yoga

Yoga as a Science

Principles of Yogic Practices,

Yogic therapies and modern concept of Yoga

Balanced Diet

Unit – III – Mental Health

Mind

Mental Health

Stages of Mind

Mental frequency

Mind training process

Methods of concentration

Brain and memory power

Unit IV –Asanas and Kapalabhati

Importance of preparatory exercises

Meaning of Asana, its types, benefits and principles

Meaning of Kapalabhati, its types, benefits and principles

Unit V – Pranayama and Meditation

Meaning of Pranayama, its types, benefits and principles

Meaning of Meditation, principles and its benefits

Practical

1. Simplified Exercises / Warm-up

2. Yogasana

   a. Standing - Tadasana, Vriksasana, pada hastasana, Ardha Cakrasana, Trikonasana

   b. Sitting - Bhadrasana, ardhaustrasana, sasankasana, vakrasana

   c. Prone - Bhujangasana, salabhasana, makarasana,

   d. Supine – Sethubandhasana, Pavanamutasana, savasana

3. Kapalabhati

4. Pranayama

5. Meditation and Relaxation.

MANONMANIAM SUNDARANAR UNIVERSITY

TIRUNELVELI -12

COMMON SKILL BASED SUBJECT FOR U.G. PROGRAMME

Personality Development

UNIT -I

PERSONALITY - Definition – Determinants – Personality Traits –Theories of Personality – Importance of Personality Development. **SELF AWARENESS** – Meaning – Benefits of Self – Awareness – Developing Self – Awareness. **SWOT** – Meaning – Importance- Application – Components. **GOAL SETTING** Meaning- Importance – Effective goal setting – Principles of goal setting – Goal setting at the Right level.

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UNIT – III

TEAM BUILDING – Meaning – Types of teams – Importance of Team building- Creating Effective Team. **LEADERSHIP** – Definition – Leadership style- Theories of leadership – Qualities of an Effect leader. **NEGOTIATION SKILLS** – Meaning – Principles of Negotiation – Types of Negotiation – The Negotiation Process – Common mistakes in Negotiation process. **CONFLICT MANAGEMENT** – Definition- Types of Conflict- Levels of Conflict – Conflict Resolution – Conflict management .

UNIT –IV

COMMUNICATION – Definition – Importance of communication – Process of communication - Communication Symbols – Communication network – Barriers in communication – Overcoming Communication Barriers. **TRANSACTIONAL ANALYSIS** – Meaning – EGO States – Types of Transactions – Johari Window- Life Positions. **EMOTIONAL INTELLIGENCE**- Meaning – Components of Emotional Intelligence- Significance of managing Emotional intelligence – How to develop Emotional Quotient. **STRESS MANAGEMENT** – Meaning – Sources of Stress – Symptoms of Stress – Consequences of Stress – Managing Stress

UNIT – V

SOCIAL GRACES – Meaning – Social Grace at Work – Acquiring Social Graces. **TABLE MANNERS** – Meaning – Table Etiquettes in Multicultural Environment- Do's and Don'ts of Table Etiquettes. **DRESS CODE** – Meaning- Dress Code for selected Occasions – Dress Code for an Interview. **GROUP DISCUSSION** – Meaning – Personality traits required for Group Discussion- Process of Group Discussion- Group Discusson Topics**. INTERVIEW** – Definition- Types of skills – Employer Expectations –Planning for the Interview – Interview Questions- Critical Interview Questions.

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1. Dr.S. Narayana Rajan, Dr. B. Rajasekaran, G. Venkadasalapthi, V. Vijuresh Nayaham and Herald M.Dhas, **Personality Development**, Publication Division, Manonmaniam Sundaranar University, Tirunelveli
2. Stephan P.Robbins, **Organisational Behaviour**, Tenth Edition, Prentice Hall of India Private Limited, New Delhi,2008
3. Jit S. Chandan, **Oragnisational Behaviour**, Third Edition, Vikas Publishing House Private Limited, 2008
4. Dr.K.K. Ramachandran and Dr.K.K. Karthick, **From Campus to Corporate**, Macmillan Publishers India Limited, New Delhi,2010.

MANONMANIAM

SUNDARANAR UNIVERSITY,

TIRUNELVELI – 627 012

B.Sc. Physics Degree
(CHOICE BASED CREDIT SYSTEM)

**Learning Outcome Based
Curriculum**

Major & Allied Physics

**(Effective from the academic year 2021-
2022 onwards)**

MANONMANIAM SUNDARANAR UNIVERSITY, TIRUNELVELI
UG COURSES – AFFILIATED COLLEGES
B.Sc. PHYSICS
(Choice Based Credit System)
(With effect from the academic year 2021-2022 onwards)

1. **Vision of the University**

   To provide quality education to reach the un-reached

2. **Mission of the University**

   - To conduct research, teaching and outreach programmes to improve conditions of human living.
   - To create an academic environment that honours women and men of all races, caste, creed, cultures and an atmosphere that values intellectual curiosity, pursuit of knowledge, academic freedom and integrity.
   - To offer a wide variety of off-campus educational and training programmes including the use of information technology, to individuals and groups.
   - To develop partnership with industries and government so as to improve the quality of the work place and to serve as catalyst for economic and cultural development.
   - To provide quality / inclusive education especially for the rural and un-reached segments of economically downtrodden students including women, socially oppressed and differently abled.

3. **Vision of the Department**

   To promote active learning, critical thinking coupled with ethical values and produce globally competent physicists.

4. **Mission of the Department**

   The Department is committed to impart quality education both in theoretical as well as experimental physics with special emphasis on 'learning by doing' for socio-economic growth.

5. **Preamble**

   The Department of Physics provides instructional programs in introductory Physics to a broad range of students through an understandable and effective method that enables them to integrate this knowledge into their normal thought processes. The department provides a forward-looking curriculum to undergraduate Physics Major, involving not only traditional physics topics but also state-of-the-art instruction in experimental techniques, computational physics and the use of computers in data acquisition and analysis, as well as active involvement in professional research.

6. **Programme Outcome**

   Upon completion of B.Sc degree programme, the graduates will be able to

   PO. 1: acquire a fundamental concepts in the field of Physics and procedural knowledge that creates different types of professionals related to the subject area of Physics, including professionals engaged in research and development, teaching and government / public service.

   PO. 2: demonstrate the ability to use skills in Physics and its related areas of technologies for formulating and tackling

Physics related problems.

PO. 3: inculcate innovative skills and teamwork among students to meet societal expectations.

PO. 4: perform analysis to assess, interpret and create innovative ideas through practical experiments.

PO. 5: facilitate to enter multidisciplinary path to solve day-to-day scientific problems.

PO. 6: carry out fieldworks and projects both independently and collaboration with others and to report in a constructive way.

PO. 7: improve communication ability and knowledge transfer through ICT aided learning integrated with Library resources.

PO. 8: attain competency in job market / entrepreneurship.

7. **Programme Specific Outcome (PSO)**

The student graduating with the degree B.sc (Physics) should be able to

PSO1: understand and experiment the basic concepts of Properties of Matter and Mechanics, Optics and Acoustics, Heat and Thermodynamics, Electricity and Electromagnetism, Instrumentation Physics, Space Physics, Basic Electronics, Spectroscopy, Atomic and Nuclear Physics, Communication Electronics, Quantum Mechanics, Digital Electronics, Solid State Physics, Energy Physics and Medical Physics.

PSO2: develop the skills on scientific programming through programming with C++ which will make them choose their career in wide spectrum of areas.
PSO3: students will have knowledge about the working of medical instruments, laser, super conductivity, electrical appliances, wiring and nano materials.
PSO4: students utilize their laboratory skills to take measurements in Physics laboratory, analyze the measurements and draw valid conclusions.
PSO5: students will be able to compile oral and written scientific communications and will prove that they can think critically and work independently.
PSO6: harness the scientific ideas to reduce pollution by promoting non-conventional and renewable energy sources.
PSO7: students will illustrate proficiency in mathematics and the mathematical concepts needed for the proper understanding of physics and can face competitive exams with ease.
PSO8: gain confidence and move to higher studies.

8. **Eligibility for admission to the course and examination**

Candidate shall be admitted to the course provided he / she has passed plus two examinations of the State or Central Board with Maths / Physics / Chemisty / Biology as one of the subject or any other science subject that may be considered as equivalent by the M.S. University.

9. **Duration of the course**

The students shall undergo the prescribed course of study for a period of not less than three academic years (six semesters). Each semester contains 90 working days.

10. **Medium of instruction and examination**

The medium of instruction as well as examinations will be in English.

11. **Theory Examination**

The external evaluation will be based on the examination to be conducted by the University at the end of each semester.

12. **Practical Examination**

Practical examinations will be conducted at the end of each semester.

13. **Evaluation**

A. Each paper carries an internal component

B. There is a pass minimum of 40% for external and overall components

Theory external: Internal assessment = 75:25

Practical External: Internal assessment = 50:50

C. Internal Assessment

Internal Marks for theory shall be allocated in the following manner

The average of the best two tests from three compulsory tests	20 Marks
Assignment	05 Marks
Total	**25 Marks**

Note: Each test will be of one hour duration

D. Practical

Internal marks for Practical shall be allotted in the following manner.

Experimental	20 Marks
Record	10 Marks
Model Test	20 Marks
Total	**50 Marks**

E. **Project Work**

Components	Marks
Project Report	75
Viva-Voce	25
Total	**100**

Note:

i)   Students should carry out group project in major subject.
ii)   Project report will be evaluated by central valuation and viva-voce will be conducted by both the External Examiner and the Guide at the end of the sixth semester.

F. The overall performance level of the candidates will be assessed by the following formulae:

Cumulative weighted average of marks $= \dfrac{\Sigma(\text{marks} + \text{credits})}{\Sigma \text{ credits}}$

Cumulative weighted average grade points $= \dfrac{\Sigma(\text{Grade points} \times \text{credits})}{\Sigma \text{ credits}}$

14. **Grading System**

The performance of the student is indicated by the Seven Points Scale Grading System as per the UGC norms given below

Grade	Grade point	Percentage of marks	Performance
O	9.5 and above	95-100	Outstanding
E	8.5 and above	85-94	Excellent
D	7.5 and above	75-84	Distinction
A	7 and above	70-74	Very Good
B	6and above	60-69	Good
C	5 and above	50-59	Average
RA	0	Up to 49	Re-Appear

15. **The question paper pattern for all theory papers shall be as follows.**
    Duration of Exam: 3Hours

Section	Type of questions	Mark
Part-A	Multiple choice question (Two question from each unit compulsory)	1×10=10 Marks
Part-B	Internal Choice questions (One question from each unit: either/or)	5×5=25 marks
Part-C	Internal Choice questions (One question from each unit: either/or)	8×5=40 marks
	Total	**75 Marks**

16. **The question paper pattern for all practical papers shall be as follows.**
    Duration of Practical Exam: 3 hours

1	AIM, Formula	10
2	Knowledge of the experiment	5
3	Observation and calculation	20
4	Accuracy of the result	05
5	Record	10
	Total	**50 Marks**

B.Sc. PHYSICS
(Choice Based Credit System)
(With effect from the academic year 2021-2022 onwards)

Course Structure

	Subject Part	Subject Title	Contact Hrs/week	Credits	Exam Hrs.	Marks		
						Int.	Ext.	Total
Semester – I	Part I	Tamil / Other Language	6	4	3	25	75	100
	Part II	Communicative English-I	6	4	3	25	75	100
	Part III	Core Subject 1. Properties of Matter & Mechanics	4	4	3	25	75	100
		Practical-I	2	2	3	50	50	100
		Professional English for Physical Sciences-I	4	4	3	25	75	100
		Allied Physics Paper-1	4	3	3	25	75	100
		Allied Practical-I	2	2	3	50	50	100
	Part IV	Common – Environmental Studies	2	2	3	25	75	100
		Total	30	25				
Semester – II	Part I	Tamil / Other Languages	6	4	3	25	75	100
	Part II	Communicative English-II	6	4	3	25	75	100
	Part III	Core Subject 2. Optics and Acoustics	4	4	3	25	75	100
		Practical-II	2	2	3	50	50	100
		Professional English for Physical Sciences-II	4	4	3	25	75	100
		Allied Physics Paper-2	4	3	3	25	75	100
		Allied Practical-II	2	2	3	50	50	100
	Part IV	Common – Value Based Education	2	2	3	25	75	100
		Total	30	25				

	Subject Part	Subject Title	Contact Hr / Week	Credit	Exam Hrs	Marks		
						Int	Ext	Total
Semester – III	Part I	Tamil / Other Languages	6	4	3	25	75	100
	Part II	English	6	4	3	25	75	100
	Part III	Core subject 3. Electricity & Electromagnetism	4	4	3	25	75	100
		Practical-III	2	2	3	50	50	100
		Allied Subject-I (for allied subjects With theory and practical) 1.Theory-Paper-I	4	3	3	25	75	100
		2.Practical-1	2	2	3	50	50	100
		Skill based subject (Any one) a. Maintenance of Electrical appliances b. Instrumentation Physics – I	4	4	3	25	75	100
	Part IV	Non – Major Elective (Any one) a. Basic Physics – I b. Applied Physics	2	2	3	25	75	100
		Common-Yoga*	2	2				
		Total	32	27				

	Subject Part	Subject Title	Contact Hr / Week	Credit	Exam Hrs	Marks		
						Int	Ext	Total
Semester – IV	Part I	Tamil / Other Languages	6	4	3	25	75	100
	Part II	English	6	4	3	25	75	100
	Part III	Core subject 4. Heat & Thermodynamics	4	4	3	25	75	100
		Practical-IV	2	2	3	50	50	100
		Allied Subject-II (for allied subjects with theory and practical) 1.Theory-Paper-II	4	3	3	25	75	100
		2.Practical-II	2	2	3	50	50	100
		Skill based subject (Anyone) a. Maintenance of Electronic appliances b. Instrumentation Physics – II	4	4	3	25	75	100
	Part IV	Non – Major Elective - Paper - II (Any One) a. Basic Physics – II b. Space Physics	2	2	3	25	75	100
		Common - Computer For Digital Era*	2	2	-	-	-	-
	Part V	Extension activity	-	1	-	-	-	-
		Total	32	28				

	Subject Part	Subject Title	Contact Hr / Week	Credit	Exam Hrs	Marks		
						Int	Ext	Total
Semester V	Part III	Core subject 5.Basic Electronics	6	4	3	25	75	100
		6. Spectroscopy	5	4	3	25	75	100
		7.Atomic and Nuclear Physics	6	4	3	25	75	100
		Major Elective (any one) a.Programming in C++ b.Communication Electronics	5	4	3	25	75	100
		Practical – V - General Practical	3	3	3	50	50	100
		Practical-VI Electronics	3	3	3	50	50	100
	Part IV	Skill based subject (Common) Personality development / Effective Communication / Youth Leadership	2	2	3	25	75	100
		Total	30	24				
Semester VI	Subject Part	Core Subject 9. Quantum Mechanics	5	4	3	25	75	100
		10. Digital Electronics	5	4	3	25	75	100
		11. Solid State Physics	5	4	3	25	75	100
		Major Elective (any one) a.Energy Physics b.Medical Physics	5	4	3	25	75	100
		Project	4	4	3	50	50	100
		Practical-VII General Practical	3	3	3	50	50	100
		Practical-VIII Electronics	3	3	3	50	50	100
		Total	30	26				

MANONMANIAM SUNDARANAR UNIVERSITY, TIRUNELVELI

SYLLABUS FOR ENVIRONMENTAL STUDIES FOR

UNDER GRADUATE COURSES -

PART IV- COMPULSORY PAPER

UNIT I: THE MULTIDISCIPLINARY NATURE OF ENVIRONMENTAL STUDIES

Definition, scope and importance
Natural resources and associated problems:

a) Forest resources: Use and over-exploitation, deforestation, timber extraction, dams and their effects on forests and tribal people.
b) Water resources: Use and over-utilization of surface and ground water, floods, drought, dams-benefits and problems, water conservation and watershed management.
c) Mineral resources: Use and exploitation, environmental effects.
d)   Food resources: World food problems, changes, effects of modern agriculture, fertilizer-pesticide problems.
e) Energy resources: Growing energy needs, renewablesnd lnon renewable energy sources, alternate energy sources.
f)   Land resources: Land as a resource, land degradation, man-induced landslides, soil erosion and desertification.

UNIT II: ECOSYSTEMS

    a) Forest Ecosystem
    b) Grassland Ecosystem
    c) Desert ecosystem
    d) Aquatic Ecosystem (Ponds, rivers, oceans, estuaries)
       Energy flow in the ecosystem
       Ecological succession
       Food Chains, Food Webs and Ecological Pyramids.

UNIT III: BIODIVERSITY AND ITS CONSERVATION

Introduction Definition: Genetic, species and ecosystem diversity.
Biogeographical classification of Jndia
Values of Biodiversity
Biodiversity at global, national and local levels
India as a mega-diversity nation
Hot-Spots of biodiversity
Threats to biodiversity
Endangered and endemic species of India
Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity.

UNIT IV: ENVIRONMENTAL POLLUTION

Definition- Causes, effects and control measures of:-

a) Air Pollution
b) Water Pollution
c) Soil Pollution
d) Marine Pollution
e) Noise Pollution.
f) Thermal Pollution

Solid Waste Management
Disaster Management: Floods, earthquake, cyclone and landslides.

UNIT V: SOCIAL ISSUES AND THE ENVIRONMENT

Climatic change, global warming, acid rain, ozone depletion.
Wasteland reclamation
Consumerism and Waste products, use and through plastics
Environment Protection Act
Air (Prevention and Control of Pollution) Act
Water (Prevention and Control of Pollution) Act
Wildlife Protection Act
Forest Conservation Act
Population Explosion — Family Welfare Programme
Human Rights

REFERENCES:

1. G.S. Vijayalakshmi, A.G. Murugesan and N. Sukumaran. 2006. Basics of Environmental Science, Manonmaniam Sundaranar University Publications, Tirunelveli , pp.160.

2. Agarwal. K.C. 2001. Environmental Biology, Nidi Publications Limited, Bikaner.
3. A.K.De. 1999. Environmental Chemistry, Wiley Eastern Limited, India.
4. Jadhav,H. and Bhosale, V.M.1995. Environmental Protection and Laws, Himalaya Publishing House, Delhi. pp284.
5. Odum, E.P.1971. Fundamentals of Ecology, W.B.Saunders Co., USA. pp.574.

U.G. PART IV - COURSES – AFFILIATED COLLEGES

(Choice Based Credit System)

(For those who joined from 2021- 2022 onwards)

Value Based Education
II Semester

L	T	P	C
2			2

a. Course Code:

b. Course Objectives:

The course will enable the student to:

1. state the meaning of social justice, human rights, Globalization, mass media and new media
2. enumerate the rights of women, children, Dalits, minorities and physically challenged as per Indian constitution
3. comprehend the social realities and issues and challenges in globalization and inculcate an essential value system towards building a healthy society

c. Course Prerequisites:

a. positive attitude towards social justice and communal harmony
b. aspiration to create a better world
c. respect for Indian constitution, humanity, ethics and value

d. Course Outcome (COs):

After completing the course the students will be able to:

CO1: Identify the contribution of social reformers and factors that influence social justice

CO2: Compare and list the legal rights provided to women, children, Dalits, minorities and physically challenged as per human rights and Indian constitution

CO3: Stay as a responsible citizen and raise voice for any violence against women

CO4: analyze the prospects and challenges in mass media role of media in

CO5: assess the influence of new media on children and youth and use them to inculcate communal harmony and social justice

CO6: frame their own personal values based on social ethics to moderate the social issues and lead a secular society

f. Course Outline:

The course inculcates value and ethics in individual for being a responsible citizen and build a nation with social justice and communal harmony.

Unit I: Social Justice **Contact Hours: 7**
Social Justice: definition – need – parameters – influencing factors – caste and gender – contributions of social reformers.

Unit II: Human Rights and Marginalized People **Contact Hours: 8**
Human Rights: concept – principles – human rights and Indian constitution – Rights of Women and children – violence against women – Rights of marginalized people, women, children, dalits, minorities and physically challenged.

Unit III: Social Issues and Communal Harmony **Contact Hours: 8**
Social issues: causes and magnitude – alcoholism, drug addiction, poverty, unemployment – Communal harmony: concept – religion and its place in public in public domain – separation of region from politics – secularism role of civil society.

Unit IV: Media Education and Globalized World Scenario **Contact Hours: 7**
Mass media: functions, characteristics, need and purpose – effects and influence – youth and children – media power – socio cultural and political consequences – mass mediated culture – consumeristic culture – Globalization – New media: prospects and challenges

Unit V: Values and Ethics **Contact Hours: 6**
Personal values – family values – social values – cultural values – Professional values – and overall ethics – duties and responsibilities

Mapping of COs to POs and PSOs

	Course Outcome	PO Addressed	Correlation Level	PSO Addressed	Correlation Level	Cognitive Level
CO1		PO1 to PO8	L/M/H	PSO1 to PSO8	L/ M/ H	K_1 to K_6
CO2						
CO3						
CO4						
CO5						
CO6						

(L – Low, M – Medium, H – High; K_1 – Remember, K_2 – Understand, K_3 – Apply, K_4 – Analyze, K_5 – Evaluate, K_6 – Create)

Reference Books:

1. Francis, K. (1993). *Education reform for social justice (Vol. 2).* Discovery publishing house
2. Satvinder Juss. (2020). *Human rights in India*. Routledge
3. Smarak Swain, S. (2011). *Social issues of India*. New Vishal publications
4. Chakraborty, S. K., Chakraborty, D. (2006). *Human Values and Ethics*. ICFAI University Press
5. David Buckingham. (2013). *Media Education: Literacy, Learning & Contemporary culture*. Wiley Publishers.

MANONMANIAM SUNDARANAR UNIVERSITY

TIRUNELVELI 627012, TAMIL NADU

MANDATORY COURSE (2 Credits)
FOR All UG PROGRAMMES

SYOG3A - YOGA
(From the academic year 2018-19)

Contents

Unit – I – Introduction to Human Body

Body Structure

Systems of Human Body

Body Function

Physical Health

Physical Fitness

Meaning of Wholesome development

Unit – II – Yoga

Origin and development of Yoga

Meaning and importance of Yoga

Yoga as a Science

Principles of Yogic Practices,

Yogic therapies and modern concept of Yoga

Balanced Diet

Unit – III – Mental Health

Mind

Mental Health

Stages of Mind

Mental frequency

Mind training process

Methods of concentration

Brain and memory power

Unit IV –Asanas and Kapalabhati

Importance of preparatory exercises

Meaning of Asana, its types, benefits and principles

Meaning of Kapalabhati, its types, benefits and principles

Unit V – Pranayama and Meditation

Meaning of Pranayama, its types, benefits and principles

Meaning of Meditation, principles and its benefits

Practical

1. Simplified Exercises / Warm-up

2. Yogasana

   a. Standing - Tadasana, Vriksasana, pada hastasana, Ardha Cakrasana, Trikonasana

   b. Sitting - Bhadrasana, ardhaustrasana, sasankasana, vakrasana

   c. Prone - Bhujangasana, salabhasana, makarasana,

   d. Supine – Sethubandhasana, Pavanamutasana, savasana

3. Kapalabhati

4. Pranayama

5. Meditation and Relaxation.

<u>**Common Paper for UG and PG Integrated Programmes**</u>

COMPUTERS FOR DIGITAL ERA

L	T	P*	C
2	0	0	2

Syllabus (For all U.G Courses & Integrated P.G. Programmes) w.e.f 2017-18   (MANDATORY COURSE)

(For the IV Semester UG/ Integrated PG Students of Departments and Affiliated Colleges of Manonmaniam Sundaranar University with effect from the Academic Year 2017-18.)

Objectives:

1. To create the awareness about the digital India among the student community.

2. To make the student to understand the role of computer in the day to day living.

3. To create the awareness about the e-learning and security issues.

Unit I   FUNDAMENTALS OF COMPUTERS   5 Hrs (3L + 2P)

The role of computers in the modern society – Types of Computers and their specifications – Server – Desk Top Computers - Lap Top – Tablet – Smart Phones - Block diagram of Digital Computer –Working Principle of Computer, I/O Devices – Central Processing Unit – Types of Memory - Display – Port – UPS – Setting up and Maintenance of Computer.

Unit II   TYPES OF SOFTWARE AND OFFICE AUTOMATION   6 Hrs (3L + 3P)

Types of Software with examples – System Software – Application Software – Utility Software - Operating System – Basics on Windows – Introduction to Android –Application Software - Free Open source software – Database and its applications – Office Automation Software – applications of Microsoft Word – Microsoft Power Point – Microsoft Excel.

Unit III   INTERNET AND MOBILE APPLICATIONS   7 Hrs (4L + 3P)

Introduction to computer networks – LAN – WAN – MAN – Wired and wireless network – Wi Fi Networks - Network Devices – Modem – Switch – Router – Broad Band – Leased Lines- Internet – WWW – URL- Browser – e-mail – SMS – MMS - Client Server Computing - Cloud – Public and Private cloud – Mobile Applications.

Unit IV   E – GOVERNANCE IN INDIA   7 Hrs (4L + 2P)

E-Governance initiative by the Government – Digital India Platform – Agencies enabling Digital India - Electronic Payment and Receipt – Digital Locker – e-district service – electronic signature service – Digital AIIMS – India BPO Scheme – Integrated Nutrient Managment – GIS – Mobile Seva App Store- GARV- Grameen Vidyutikaran

Unit V   E – LEARNING AND MOOC   5 Hrs (L)

E – Learning – Digital Library – E- Journals – Introduction to MOOC – Edex – Course era etc - SWAYAM – NPTEL – Cyber Security – Virus – Malware – Network Security - Hacking – Big Data – Data Analytics – Social Networks – Social Media Analytics- Introduction to IT Act.

∗ **10 Hours Practical Sessions are to be allotted for Computer & Mobile Applications**

Suggested List of Exercises:

1. Setting up of computers – Connecting I/O device, UPS, CPU, Printers, Mouse, Key Boards, Pen Drives, etc. (Mandatory)
2. Minor fault findings.
3. Preparing a word Document and saving, copying files, deleting files, renaming files, etc. (Mandatory)
4. Preparing slides – Animation – Slide Transition – Back Ground Changing – Word Art , etc. (Mandatory)
5. Preparing Mark Sheet with Excel - Calculating First Class, second class, etc. (Mandatory)
6. Browsing – Searching for documents – e-mail id creation - Useful mobile apps – downloading. (Mandatory)
7. Data/Wi-Fi Connectivity and Exchanging of Data.
8. Electronic Payment – Online Application Processing
9. Browsing for NPTEL/ SWAYAM Courses
10. Browsing the useful e-learning sites

Learning Outcomes:

At the end of the course the students will be able to:

1. apply the computing technology in their day to day life

2. create awareness regarding digital India initiatives to their surroundings

3. identify the areas where he can extend the digital computing for their benefits.

Text Book:

1. E- Materials of Manonmaniam Sundaranar University on "Computer for Digital Era", http://msuniv.ac.in

References:

1. Andrew S. Tanenbaum, Computer Networks, 4th Edition, Eastern Economy Edition, PHI Private Ltd, New Delhi, 2003.

2. Gautam Shroff, Enterprise Cloud Computing, Technology, Architecture, Applications, Cambridge University Press, First Edition, 2010.

3. Reza B'Far, Mobile Computing Principles, Cambridge University Press, First Edition, 2005.

4. Charles P Pfleeger, Shari Lawrence Pfleeger, Security in Computing, I Edition, Pearson Education, 2003.

5. https://swayam.gov.in

6. http://www.digitalindia.gov.in/content/social-media-analytics

Scheme of Examination	
Internal – 25 Marks	**External – 75 Marks**
Internal Break Up - 15 for Continuous Assessment Test (CAT) + 5 for Assignment + 5 for Seminar. 3 CATs (Two tests on Theory and one on Practical)are to be conducted	

MANONMANIAM SUNDARANAR UNIVERSITY

TIRUNELVELI -12

COMMON SKILL BASED SUBJECT FOR U.G. PROGRAMME

Personality Development

UNIT -I

PERSONALITY - Definition – Determinants – Personality Traits –Theories of Personality – Importance of Personality Development. **SELF AWARENESS** – Meaning – Benefits of Self – Awareness – Developing Self – Awareness. **SWOT** – Meaning – Importance- Application – Components. **GOAL SETTING** Meaning- Importance – Effective goal setting – Principles of goal setting – Goal setting at the Right level.

UNIT – II

SELF MONITORING – Meaning – High self – monitor versus low self monitor – Advantages and Disadvantages self monitor- Self –monitoring and job performance. **PERCEPTION**- Definition- Factor influencing perception- Perception process –Errors in perception – Avoiding perceptual errors. **ATTITUDE** – Meaning- Formation of attitude – Types of attitude - Measurement of Attitudes – Barriers to attitude change – Methods to attitude change. **ASSERTIVENESS** - Meaning – Assertiveness in Communication – Assertiveness Techniques – Benefits of being Assertive – Improving Assertiveness.

UNIT – III

TEAM BUILDING – Meaning – Types of teams – Importance of Team building- Creating Effective Team. **LEADERSHIP** – Definition – Leadership style- Theories of leadership – Qualities of an Effect leader. **NEGOTIATION SKILLS** – Meaning – Principles of Negotiation – Types of Negotiation – The Negotiation Process – Common mistakes in Negotiation process. **CONFLICT MANAGEMENT** – Definition- Types of Conflict- Levels of Conflict – Conflict Resolution – Conflict management .

UNIT –IV

COMMUNICATION – Definition – Importance of communication – Process of communication - Communication Symbols – Communication network – Barriers in communication – Overcoming Communication Barriers. **TRANSACTIONAL ANALYSIS** – Meaning – EGO States – Types of Transactions – Johari Window- Life Positions. **EMOTIONAL INTELLIGENCE**- Meaning – Components of Emotional Intelligence- Significance of managing Emotional intelligence – How to develop Emotional Quotient. **STRESS MANAGEMENT** – Meaning – Sources of Stress – Symptoms of Stress – Consequences of Stress – Managing Stress

UNIT – V

SOCIAL GRACES – Meaning – Social Grace at Work – Acquiring Social Graces. **TABLE MANNERS** – Meaning – Table Etiquettes in Multicultural Environment- Do's and Don'ts of Table Etiquettes. **DRESS CODE** – Meaning- Dress Code for selected Occasions – Dress Code for an Interview. **GROUP DISCUSSION** – Meaning – Personality traits required for Group Discussion- Process of Group Discussion- Group Discusson Topics**. INTERVIEW** – Definition- Types of skills – Employer Expectations –Planning for the Interview – Interview Questions- Critical Interview Questions.

References :

1. Dr.S. Narayana Rajan, Dr. B. Rajasekaran, G. Venkadasalapthi, V. Vijuresh Nayaham and Herald M.Dhas, **Personality Development**, Publication Division, Manonmaniam Sundaranar University, Tirunelveli
2. Stephan P.Robbins, **Organisational Behaviour**, Tenth Edition, Prentice Hall of India Private Limited, New Delhi,2008
3. Jit S. Chandan, **Oragnisational Behaviour**, Third Edition, Vikas Publishing House Private Limited, 2008
4. Dr.K.K. Ramachandran and Dr.K.K. Karthick, **From Campus to Corporate**, Macmillan Publishers India Limited, New Delhi,2010.

MANONMANIAM SUNDARANAR UNIVERSITY, TIRUNELVELI

B.Sc.CHEMISTRY (Affiliated Colleges)

LEARNING OUTCOME BASED CURRICULUM

(For those who joined from 2021-2022 onwards)

VISION AND MISSION OF THE UNIVERSITY

VISION

" To provide quality education to reach the unreached "`

MISSION

- To conduct research, teaching and outreach programmes to improve conditions of human living

- To create an academic environment that honours women and men of all races, caste, creed, cultures and an atmosphere that values intellectual curiosity, pursuit of knowledge, academic freedom and integrity

- To offer a wide variety of off-campus educational and training programs, including the use of information technology, to individuals and groups.

- To develop partnership with industries and government so as to improve the quality of the workplace and to serve as catalyst for economic and cultural development

- To provide quality / inclusive education, especially for the rural and un-reached segments of economically downtrodden students including women, socially oppressed and differently abled

VISION AND MISSION OF DEPARTMENT

VISION

To make the students excel in the fields of education, fundamental and advanced research in Chemistry by providing quality education so that they can compete and contribute to the varying *technology.*

MISSION

1. To teach the students to analyze problems ranging from the basics of Chemistry to advanced level.

2. To give the students adequate hands on experience to work in applied fields.

3. To train the students to act as a useful member or effective leader of a team in multidisciplinary setting.

PREAMPLE

The B.Sc Chemistry programme is fundamental to the revolution taking place in Science and Technology. The aim of the programme is to impart basic skills and knowledge on the principles of all branches of Chemistry to cater to need of Society, Scientific Organization and Industries in the context of developing needs of our country by providing extensive coverage on the fundamental aspects of chemistry relating applications of chemistry to life systems. This course provides intensive practical training to develop associate and apply various aspects of chemistry in day to day life .The programme prepares the students to achieve success in competitive examinations and make developments of needs of their life.

Eligibility for the B.Sc Chemistry Programme

B.Sc Chemistry is a three year Undergraduate course which one can apply after completing 12th from science stream. Eligibility for the course says that the interested must have science with subjects as Physics, Chemistry, Mathematics, Biology or Computer Science as their main subjects from any recognized board.

PROGRAMME STRUCUTRE

SEM	Part	SUB. No	SUBJECT STATUS	SUBJECT TITLE	contact hrs /wk	L hrs /wk	P hrs /wk	credits
I	I	1	Language	Tamil/Other Languages	6	6	0	4
	II	2	Language	Communicative English – I	6	6	0	4
	III	3	Core I	Inorganic Chemistry – I	4	4	0	4
	III	4	Core II	Professional English for Physical Science –I	4	4	0	4
	III	5	Major Practical I	Inorganic quantitative (Volumetric) Analysis – I	2	0	2	2
	III	6	Allied Course I	Allied Chemistry – I	4	4	0	3
	III	7	Allied Practical I	Allied Chemistry Practical- I	2	0	2	2
	IV	8	Common	Environmental Studies	2	2	0	2
			SUB TOTAL		**30**	**26**	**4**	**25**
II	I	9	Language	Tamil/Other Languages	6	6	0	4
	II	10	Language	Communicative English – II	6	6	0	4
	III	11	Core III	Organic Chemistry – I	4	4	0	4
	III	12	Core IV	Professional English for Physical Science-II	4	4	0	4
	III	13	Major Practical II	Inorganic quantitative (Volumetric)Analysis – II	2	0	2	2
	III	14	Allied Course II	Allied Chemistry – II	4	4	0	3
	III	15	Allied Practical-II	Allied Chemistry Practical- II	2	0	2	2
	IV	16	Common	Social Value Education	2	2	0	2
			SUB TOTAL		**30**	**26**	**4**	**25**

III	I	17	Language	Tamil/Other Languages	6	6	0	4
	II	18	Language	English	6	6	0	4
	III	19	Core V	Physical Chemistry – I	4	4	0	4
	III	20	Major Practical III	Organic Preparation & Inorganic Qualitative Analysis - I	2	0	2	2
	III	21	Allied Course II	Allied Chemistry – I	4	4	0	3
	III	22	Allied Practical II	Allied Chemistry Practical- I	2	0	2	2
	III	23	Skilled Based Coursre I	Green Chemistry/Food Chemistry	4	4	0	4
	IV	24	Non-Major Elective I	Food Science /Water Management	2	2	0	2
	IV	25	Common	Yoga	2	2	0	2
				SUBTOTAL	**30+2**	**26+2**	**4**	**27**
IV	I	26	Language	Tamil/Other Languages	6	6	0	4
	II	27	Language	English	6	6	0	4
	III	28	Core VI	Inorganic Chemistry – II	4	4	0	4
	III	29	Major Practical IV	Inorganic Qualitative Analysis – II	2	0	2	2
	III	30	Allied Course II	Allied Chemistry – II	4	4	0	3
	III	31	Allied Practical II	Allied Chemistry Practical- II	2	0	2	2
	IV	32	Skilled Based Course II	Pharmaceutical chemistry/ Industrial Chemistry	4	4	0	4
	IV	33	Non-Major Elective II	Dairy Chemistry / Chemistry in Everyday life	2	2	0	2
	IV	34	Common	Computers for Digital Era	2	2	0	2
	V	35	Extension Activity	NCC/NSS/YRC/YWF	-	-	-	1
				SUBTOTAL	**30+2**	**26+2**	**4**	**28**
	III	36	Core VII	Organic Chemistry – II	6	6	0	4

V	III	37	Core VIII	Physical Chemistry – II	6	6	0	4
	III	38	Major Elective I	Polymer Chemistry / Bio Chemistry	4	4	0	4
	III	39	Major Elective II	Modern Instrumental Analytical Techniques/ Applied Chemistry	4	4	0	4
	III	40	Major Practical V	Organic Analysis & Physical Constant Determination	8	0	8	4
	III	41	Major Practical VI	Gravimetric Estimation & Inorganic Preparation				
	IV	42	Skill Based Common	Personality Development / Effective Communication / Youth Leadership	2	2	0	2
				SUBTOTAL	**30**	**22**	**08**	**22**
VI	III	43	Core IX	Inorganic Chemistry – III	5	5	0	4
	III	44	Core X	Organic Chemistry - III	5	5	0	4
	III	45	Core XI	Physical Chemistry – III	5	5	0	4
	III	46	Major Elective III	Textile Chemistry / Nano Chemistry	4	4	0	4
	III	47	Major Practical VII	Physical Chemistry Experiments	4	0	4	2
	III	48	Major Project	Major Project	7		7	7
				SUBTOTAL	**30**	**19**	**11**	**25**
				GRANDTOTAL	**180+4**	**145+4**	**35**	**152**

Skill Based Course

One among the two given course will be selected.

Non-Major Elective

One among the two given course will be selected.

Major Elective

One among the two given course will be selected.

Major Project

Group Project –Maximum of five students per group

Extension Program for the Department

Apart from the curriculum, to enrich the skill development of the students following courses in

MANONMANIAM SUNDARANAR UNIVERSITY, TIRUNELVELI

SYLLABUS FOR ENVIRONMENTAL STUDIES FOR

UNDER GRADUATE COURSES -

PART IV- COMPULSORY PAPER

UNIT I: THE MULTIDISCIPLINARY NATURE OF ENVIRONMENTAL STUDIES

Definition, scope and importance
Natural resources and associated problems:

a) Forest resources: Use and over-exploitation, deforestation, timber extraction, dams and their effects on forests and tribal people.
b) Water resources: Use and over-utilization of surface and ground water, floods, drought, dams-benefits and problems, water conservation and watershed management.
c) Mineral resources: Use and exploitation, environmental effects.
d)   Food resources: World food problems, changes, effects of modern agriculture, fertilizer-pesticide problems.
e) Energy resources: Growing energy needs, renewablesnd lnon renewable energy sources, alternate energy sources.
f)   Land resources: Land as a resource, land degradation, man-induced landslides, soil erosion and desertification.

UNIT II: ECOSYSTEMS

a) Forest Ecosystem
b) Grassland Ecosystem
c) Desert ecosystem
d) Aquatic Ecosystem (Ponds, rivers, oceans, estuaries)
Energy flow in the ecosystem
Ecological succession
Food Chains, Food Webs and Ecological Pyramids.

UNIT III: BIODIVERSITY AND ITS CONSERVATION

Introduction Definition: Genetic, species and ecosystem diversity.
Biogeographical classification of Jndia
Values of Biodiversity
Biodiversity at global, national and local levels
India as a mega-diversity nation
Hot-Spots of biodiversity
Threats to biodiversity
Endangered and endemic species of India
Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity.

UNIT IV: ENVIRONMENTAL POLLUTION

Definition- Causes, effects and control measures of:-

   a) Air Pollution
   b) Water Pollution
   c) Soil Pollution
   d) Marine Pollution
   e) Noise Pollution.
   f) Thermal Pollution

   Solid Waste Management
   Disaster Management: Floods, earthquake, cyclone and landslides.

UNIT V: SOCIAL ISSUES AND THE ENVIRONMENT

Climatic change, global warming, acid rain, ozone depletion.
Wasteland reclamation
Consumerism and Waste products, use and through plastics
Environment Protection Act
Air (Prevention and Control of Pollution) Act
Water (Prevention and Control of Pollution) Act
Wildlife Protection Act
Forest Conservation Act
Population Explosion — Family Welfare Programme
Human Rights

REFERENCES:

1. G.S. Vijayalakshmi, A.G. Murugesan and N. Sukumaran. 2006. Basics of Environmental Science, Manonmaniam Sundaranar University Publications, Tirunelveli , pp.160.

2. Agarwal. K.C. 2001. Environmental Biology, Nidi Publications Limited, Bikaner.
3. A.K.De. 1999. Environmental Chemistry, Wiley Eastern Limited, India.
4. Jadhav,H. and Bhosale, V.M.1995. Environmental Protection and Laws, Himalaya Publishing House, Delhi. pp284.
5. Odum, E.P.1971. Fundamentals of Ecology, W.B.Saunders Co., USA. pp.574.

MANONMANIAM SUNDARANAR UNIVERSITY
TIRUNELVELI

UG COURSES – AFFILIATED COLLEGES

Part IV

Value Based Education

Syllabus (For all UG Courses) w.e.f 2017-18

II Semester

Objective:
To enable the students to understand the social realities and to inculcate an essential value system towards building a health society.

Unit I: Social Justice
Definition – need – parameters of social justice – factors responsible for social injustice – caste and gender – contributions of social reformers.

Unit II : Human Rights and Marginalized People
Concept of Human Rights – Principles of human rights – human rights and Indian constitution – Rights of Women and children – violence against women – Rights of marginalized People – like women, children, dalits, minorities, physically challenged etc

Unit III: Social Issues and Communal Harmony
Social issues – causes and magnitude - alcoholism, drug addiction, poverty, unemployment etc – communal harmany –concept –religion and its place in public in public domain – separation of religion from politics –secularism role of civil society

Unit IV: Media Education and Globalized World Scenario
 Mass media –functions –characteristics –need and purpose of media literacy – effects and influence - - youth and children – media power – socio cultural and political consequences mass mediated culture - - consumeristic culture – Globalization – new media- prospects and challenges

Unit V: Values and Ethics
Personal values – family values – social values – cultural values – Professional values – and overall ethics – duties and responsibilities

(For all UG / Integ. P G Courses)
Semester - III
(For those who joined the course from the Academic year 2016-2017)
EXTENSION ACTIVITIES - YOGA

Course Credit: 2 (Two hours per week) - 50% theory and 50% practical

Assessment:

CIA   – 25 marks

Practical   – 25 marks

Theory Examination   – 50 marks (Objective type)

Total   - 100 marks

Objectives

The course aim at;

- Prevention of health problems and rehabilitation through Yoga
- Promoting positive health
- Promoting total personality development of students in Colleges and Universities
- Invoke positive attitude and spirit to channelize their energies in to creative and constructive endeavours.

Unit – I – Introduction to Human Body (3 hours)

Body Structure - Systems of Human Body – Body Function – Physical Health – Physical Fitness – meaning of wholesome development.

Unit – II – Yoga (3 hours)

Origin and development of Yoga - Meaning and importance of Yoga - Yoga as a Science - Principles of Yogic Practices, Yogic therapies and modern concept of Yoga – Balanced Diet.

Unit – III – Mental Health (3 hours)

Mind – Mental Health -Stages of Mind – Mental frequency – Mind training process – Methods of concentration – Brain and memory power.

Unit IV –Asanas and Kapalabhati (3 hours)

Importance of preparatory exercises - Meaning of Asana, its types, benefits and principles - Meaning of Kapalabhati, its types, benefits and principles.

Unit V – Pranayama and Meditation (3 hours)

Meaning of Pranayama, its types, benefits and principles - Meaning of Meditation, principles and its benefits

Practical (15 hours)

1. Simplified Exercises / Warm-up
2. Yogasana
   a. Standing - Tadasana, Vriksasana, pada hastasana, Ardha Cakrasana, Trikonasana
   b. Sitting - Bhadrasana, ardhaustrasana, sasankasana, vakrasana
   c. Prone - Bhujangasana, salabhasana, makarasana,
   d. Supine – Sethubandhasana, Pavanamutasana, savasana
3. Kapalabhati
4. Pranayama
5. Meditation and Relaxation.

References:

- Anatomy and Physiology of Yogic Practices - M.M Ghore, Kaivalyadhama, Lonavala, Pune. 4.
- Yoga for different ailments - series published by SVYASA, Bangalore and Bihar Yoga Bharati.
- Yoga therapy : by Swami Kuvalayanand, Kaivalaya dhama, Lonavala.
- Pranayama - B.K.S. Iyengar
- Asana, Pranayama, Mudra, Bandha - Swami Satyananda Saraswati, Bihar School of Yoga, Munger.
- Promotion of positive Health - published by SVYASA, Bangalore

Common Paper for UG and PG Integrated Programmes

COMPUTERS FOR DIGITAL ERA

L	T	P*	C
2	0	0	2

Syllabus (For all U.G Courses & Integrated P.G. Programmes) w.e.f 2017-18   (MANDATORY COURSE)

(For the IV Semester UG/ Integrated PG Students of Departments and Affiliated Colleges of Manonmaniam Sundaranar University with effect from the Academic Year 2017-18.)

Objectives:

1. To create the awareness about the digital India among the student community.

2. To make the student to understand the role of computer in the day to day living.

3. To create the awareness about the e-learning and security issues.

Unit I   **FUNDAMENTALS OF COMPUTERS**   **5 Hrs (3L + 2P)**

The role of computers in the modern society – Types of Computers and their specifications – Server – Desk Top Computers - Lap Top – Tablet – Smart Phones - Block diagram of Digital Computer –Working Principle of Computer, I/O Devices – Central Processing Unit – Types of Memory - Display – Port – UPS – Setting up and Maintenance of Computer.

Unit II   **TYPES OF SOFTWARE AND OFFICE AUTOMATION**   **6 Hrs (3L + 3P)**

Types of Software with examples – System Software – Application Software – Utility Software - Operating System – Basics on Windows – Introduction to Android –Application Software - Free Open source software – Database and its applications – Office Automation Software – applications of Microsoft Word – Microsoft Power Point – Microsoft Excel.

Unit III   **INTERNET AND MOBILE APPLICATIONS**   **7 Hrs (4L + 3P)**

Introduction to computer networks – LAN – WAN – MAN – Wired and wireless network – Wi Fi Networks - Network Devices – Modem – Switch – Router – Broad Band – Leased Lines- Internet – WWW – URL- Browser – e-mail – SMS – MMS - Client Server Computing - Cloud – Public and Private cloud – Mobile Applications.

Unit IV   **E – GOVERNANCE IN INDIA**   **7 Hrs (4L + 2P)**

E-Governance initiative by the Government – Digital India Platform – Agencies enabling Digital India - Electronic Payment and Receipt – Digital Locker – e-district service – electronic signature service – Digital AIIMS – India BPO Scheme – Integrated Nutrient Managment – GIS – Mobile Seva App Store- GARV- Grameen Vidyutikaran

Unit V   **E – LEARNING AND MOOC**   **5 Hrs (L)**

E – Learning – Digital Library – E- Journals – Introduction to MOOC – Edex – Course era etc - SWAYAM – NPTEL – Cyber Security – Virus – Malware – Network Security - Hacking – Big Data – Data Analytics – Social Networks – Social Media Analytics- Introduction to IT Act.

∗ **10 Hours Practical Sessions are to be allotted for Computer & Mobile Applications**

Suggested List of Exercises:

1. Setting up of computers – Connecting I/O device, UPS, CPU, Printers, Mouse, Key Boards, Pen Drives, etc. (Mandatory)
2. Minor fault findings.
3. Preparing a word Document and saving, copying files, deleting files, renaming files, etc. (Mandatory)
4. Preparing slides – Animation – Slide Transition – Back Ground Changing – Word Art , etc. (Mandatory)
5. Preparing Mark Sheet with Excel - Calculating First Class, second class, etc. (Mandatory)
6. Browsing – Searching for documents – e-mail id creation - Useful mobile apps – downloading. (Mandatory)
7. Data/Wi-Fi Connectivity and Exchanging of Data.
8. Electronic Payment – Online Application Processing
9. Browsing for NPTEL/ SWAYAM Courses
10. Browsing the useful e-learning sites

Learning Outcomes:

At the end of the course the students will be able to:

1. apply the computing technology in their day to day life

2. create awareness regarding digital India initiatives to their surroundings

3. identify the areas where he can extend the digital computing for their benefits.

Text Book:

1. E- Materials of Manonmaniam Sundaranar University on "Computer for Digital Era", http://msuniv.ac.in

References:

1. Andrew S. Tanenbaum, Computer Networks, 4th Edition, Eastern Economy Edition, PHI Private Ltd, New Delhi, 2003.

2. Gautam Shroff, Enterprise Cloud Computing, Technology, Architecture, Applications, Cambridge University Press, First Edition, 2010.

3. Reza B'Far, Mobile Computing Principles, Cambridge University Press, First Edition, 2005.

4. Charles P Pfleeger, Shari Lawrence Pfleeger, Security in Computing, I Edition, Pearson Education, 2003.

5. https://swayam.gov.in

6. http://www.digitalindia.gov.in/content/social-media-analytics

Scheme of Examination	
Internal – 25 Marks	**External – 75 Marks**
Internal Break Up - 15 for Continuous Assessment Test (CAT) + 5 for Assignment + 5 for Seminar. 3 CATs (Two tests on Theory and one on Practical)are to be conducted	

MANONMANIAM SUNDARANAR UNIVERSITY

TIRUNELVELI -12

COMMON SKILL BASED SUBJECT FOR U.G. PROGRAMME

Personality Development

UNIT -I

PERSONALITY - Definition – Determinants – Personality Traits –Theories of Personality – Importance of Personality Development. **SELF AWARENESS** – Meaning – Benefits of Self – Awareness – Developing Self – Awareness. **SWOT** – Meaning – Importance- Application – Components. **GOAL SETTING** Meaning- Importance – Effective goal setting – Principles of goal setting – Goal setting at the Right level.

UNIT – II

SELF MONITORING – Meaning – High self – monitor versus low self monitor – Advantages and Disadvantages self monitor- Self –monitoring and job performance. **PERCEPTION**-Definition- Factor influencing perception- Perception process –Errors in perception – Avoiding perceptual errors. **ATTITUDE** – Meaning- Formation of attitude – Types of attitude - Measurement of Attitudes – Barriers to attitude change – Methods to attitude change. **ASSERTIVENESS** - Meaning – Assertiveness in Communication – Assertiveness Techniques – Benefits of being Assertive – Improving Assertiveness.

UNIT – III

TEAM BUILDING – Meaning – Types of teams – Importance of Team building- Creating Effective Team. **LEADERSHIP** – Definition – Leadership style- Theories of leadership – Qualities of an Effect leader. **NEGOTIATION SKILLS** – Meaning – Principles of Negotiation – Types of Negotiation – The Negotiation Process – Common mistakes in Negotiation process. **CONFLICT MANAGEMENT** – Definition- Types of Conflict- Levels of Conflict – Conflict Resolution – Conflict management .

UNIT –IV

COMMUNICATION – Definition – Importance of communication – Process of communication - Communication Symbols – Communication network – Barriers in communication – Overcoming Communication Barriers. **TRANSACTIONAL ANALYSIS** – Meaning – EGO States – Types of Transactions – Johari Window- Life Positions. **EMOTIONAL INTELLIGENCE**- Meaning – Components of Emotional Intelligence- Significance of managing Emotional intelligence – How to develop Emotional Quotient. **STRESS MANAGEMENT** – Meaning – Sources of Stress – Symptoms of Stress – Consequences of Stress – Managing Stress

UNIT – V

SOCIAL GRACES – Meaning – Social Grace at Work – Acquiring Social Graces. **TABLE MANNERS** – Meaning – Table Etiquettes in Multicultural Environment- Do's and Don'ts of Table Etiquettes. **DRESS CODE** – Meaning- Dress Code for selected Occasions – Dress Code for an Interview. **GROUP DISCUSSION** – Meaning – Personality traits required for Group Discussion- Process of Group Discussion- Group Discusson Topics**. INTERVIEW** – Definition-Types of skills – Employer Expectations –Planning for the Interview – Interview Questions-Critical Interview Questions.

References :

1. Dr.S. Narayana Rajan, Dr. B. Rajasekaran, G. Venkadasalapthi, V. Vijuresh Nayaham and Herald M.Dhas, **Personality Development**, Publication Division, Manonmaniam Sundaranar University, Tirunelveli
2. Stephan P.Robbins, **Organisational Behaviour**, Tenth Edition, Prentice Hall of India Private Limited, New Delhi,2008
3. Jit S. Chandan,   **Oragnisational Behaviour**, Third Edition, Vikas Publishing House Private Limited, 2008
4. Dr.K.K. Ramachandran and Dr.K.K. Karthick, **From Campus to Corporate**, Macmillan Publishers India Limited, New Delhi,2010.

MANONMANIAM SUNDARANAR UNIVERSITY

TIRUNELVELI

UG COURSES – AFFILIATED COLLEGES
**Common Skill Based Courses
(For all UG Courses)
V Semester
Effective Communication**

(For those who joined the course from the Academic year 2008-2009)

General Objective :-

The paper aims to fulfill the long felt need to help the undergraduate students, who share a common dream of achieving career success to improve their communicative competence in English both in speaking and writing , by providing them with down-to –earth sensible and stimulating guidance .

Specific Objectives :-

The course will enable the students to
1. Cary on conversation in different communication contexts such as face to face communication, telephonic communication viva voce interview etc.,
2. Participate actively in group discussions and exchange ideas or attempt to reach a decision on shared problems.
3. Improve their ability to read fast with better understanding,
4. Express themselves clearly and concisely using right words inright places, as they will be enabled to add new words to their present vocabulary. (words, phrases and idioms)
5. Prepare well- organized curriculum vitae(resume/bio-data) Project report, long essay, and term paper
6. Write effective formal and informal, letters applications, memos, Emails and faxes.

II. The Structure of the paper

The paper consists of the following five units:

Unit One : Listening
Unit Two : Speaking
Unit Three: Reading
Unit Four : Writing
Unit Five : Vocabulary Building

III. Methods :

All four skills – listening, peaking , reading, writing – are developed through a wide – ranging tasks.

Unit I : Listening

Listening in to audio and videotapes of conversations and speeches, announcements, instructions and making notes.

Unit II : Speaking

Using correct expressions in given situations / Contexts.
Role-play narration of jokes, commentary on (important) events, festivals and matches, conducting quizzes, introducing VIPs and welcoming an audience, proposing vote of thanks, compeering college functions r youth festivals, sports events, miming radio/TV announcements making simple advertisements, conducting interviews presenting reports, group discussion.

Unit III : Reading :

- Providing exercises to test the students ability to read and comprehend.
- Tasks or passages to improve the students average reading speed. Extensive readers may be   included.
- Passages of different types –narrative, descriptive and explorative, may be used as class room   materials to train students in different types of reading.

Unit IV : Writing

- Tasks, assignments, exercises on various current topics may be provided.
- Report, Writing, Freparing agenda and writing minutes for meetings effective use of
    SMS, Applying for job, Resume and effective profiling.
- Emergency communication through print & Electronic media.

Unit V: Vocabulary

Traditional and innovative tasks may be devised.

Materials:

The following texts may be used by teachers.

- Leo Jone's **New International Business Entlish**
     (Cambridge University Press)
- B.Jean Naterop and Rod Revell's **Telephoning in English**
   (Cambridge)
- Reader's Digest **How to Write and Speak Better**
- Robert Barras's **Students Must Write (Routledge)**
- Norman Lewis's **Word Power Made Easy**
- Owen Webster's **Read Well and Remember (ELBS)**
- Dr. Francis soundararaj's **Teaching spoken English and Communication Skills (T.R. Publications)**

A course book may be prepared by experts in the University area

V. Testing and Evaluation

Scheme of Examination

The testing may be both internal and external
The distribution of marks 40: 60
Internal for written : 20, for oral :20
External :60
Total : 100

Internal -40 Marks

Oral Test – 20 Marks One test at the end of the Semester.

Note: Special focus on UNITS I & II
Unit I – 10 marks
Unit –II – 10 marks

Written Test: 20 Marks (2 tests per semester)
Test I –UNITS III & IV
Test II –UNITS IV & V

Summative Examination
- Section A –Multiple Choice 10 X 1 = 10 marks
- Section B – Answer in 100 words 4 X 5 = 20 Marks
        (with internal choice)
- Section C – **30 Marks**

1. Comprehension
2. All sub units in UNIT IV

MANONMANIAM SUNDARANAR UNIVERSITY
TIRUNELVELI
UG COURSES – AFFILIATED COLLEGES
Part IV
YOUTH LEADERSHIP

Syllabus (For all UG Courses) w.e.f 2016-17

V Semester

This course is offered with an objective to improve the personality of the undergraduate students by making them understand the importance of the youth in nation development and ways and means to enhance the contribution of youth and the schemes thereof.

Unit 01: Understanding Youth

Definition, Profile of youth, categories of youth – Issues, Challenges and Opportunities for youth – Youth as an agent of social change – Role of Youth Leadership – Meaning and types of leadership – Qualities and traits of good leaders – Importance of youth leadership

Unit 02: Health, Hygiene & Sanitation

Definition, needs and scope of health education – Food and Nutrition –Safe drinking water, water borne diseases and sanitation (Swachh Bharat Abhiyan) – National Health programme

Unit 03: Youth Health

Healthy Lifestyles – HIV AIDS, Drugs and Substance abuse – Home Nursing – First Aid – Reproductive health

Unit 04: Youth and Crime[

Sociological and Psychological Factors influencing Youth Crime – Peer Mentoring in preventing crimes – Awareness about Anti –Ragging –Cyber Crimes and its prevention – Juvenile Justice – Youth Development Programmes in India – Nation Youth Policy – Youth Development Programmes at the National Level, State Level and Voluntary Section – Youth Focused and youth –led organizations

Unit 05: Introduction and Basic Concepts of NSS

History, Philossophy, aims & objectives of NSS – Emblem, flag, motto, song, badge etc., - Organizational Structure, roles and responsibilities of various functionaries – Youth Programme / Schemes of GOI.

MANONMANIAM SUNDARANAR UNIVERSITY, TIRUNELVELI

UG COURSES – AFFILIATED COLLEGES

B.Sc . COMPUTER SCIENCE

Learning Outcome Based Curriculum
(With effect from the academic year 2021-2022 onwards)

Introduction

Outcome Based Education is incorporated into the curriculum based on the requirements of NAAC – UGC-Quality Mandate .To fulfill these requirements, the Program Educational Objectives(PEO's) ,Program Outcomes (POs) and Program Specific Outcomes(PSOs) and Course Outcomes(CO) were framed for all programs in alignment with the Vision and Mission of the respective departments and in-turn with the Vision and Mission and Educational Objectives of the University.

Vision Of the University

To provide quality education to reach the unreached

Mission Of the University

To conduct research ,teaching and outreach programs to improve conditions of human living

To create an academic environment that honours women and men of all races, caste, creed, cultures and an atmosphere

That values intellectual curiosity ,pursuit of knowledge ,academic freedom and integrity

To offer a wide variety of off campus educational and training programs, including the use of information technology, to individuals and groups

To develop partnership with industries and government so as to improve the quality of the workplace and to serve as

Catalyst for economic and cultural development

To provide quality /inclusive education ,especially for the rural and un-reached segments of economically downtrodden students including women, socially oppressed and differently abled.

Vision and Mission of Computer Science Department

Vision

Empower students to become independent life long learners with originality and high principles of character catering to the ever changing industrial demands and societal needs

Mission

To be the front runner in Computer Science and to foster the students into globally

Outcomes (CO) to be achieved at the end of the course. These Course outcomes are framed to achieve the POs/PSOs.

Surely, this curriculum will aid the student in the basic as well as the recent developments in computer science when the student completes the programme.

Eligibility Norms for Admission

Candidate should have passed the Higher Secondary Examination conducted by the Board of Higher Secondary Education , Government of Tamil Nadu or any other Examinations accepted by the syndicate as equivalent thereto with Mathematics / Computer Science as one of the subjects

Duration of the Course

The students shall undergo the prescribed course of study for a period of not less than three academic years (Six semesters) .

Program Structure B.Sc Computer Science 21-22

Sem	Part I/II/ III/ IV/ V	Subject No.	Subject Status	Subject Title	Contact Hrs/ Week	L	T	P	Credits
I	I	1	Language	Tamil/Other Language	6	6	0	0	4
	II	2	Language	Communicative English I	6	6	0	0	4
	III	3	Core	Programming in C	4	3	1	0	4
	III	4	Major Practical - I	Programming in C	4	0	0	4	2
	III	5	**Allied - I** a) For theB.Sc.(CS) Programme	a)Discrete Mathematics	4	4	0	0	3
			b) For other U.G. Programme*	b)Introduction to Computers	4	4	0	0	3
				MSOffice Practical	2	0	0	2	2
	III	6	Professional English for Physical Sciences I		4	4	0	0	4
	IV	7	Common	Environmental Studies	2	2	0	0	2
	Subtotal				**30**	**25**	**1**	**4**	**23**
	I	8	Language	Tamil/Other Language	6	6	0	0	4
	II	9	Language	Communicative English II	6	6	0	0	4
	III	10	Core	Programming in C++	4	3	1	0	4
	III	11	Major Practical - II	Programming in C++	4	0	0	4	2
	III	12	Professional English for Physical Sciences II		4	4	0	0	4

II	III	13	**Allied Practical – I** a)For the B.Sc.(CS) Programme	a) Linux	4	0	0	4	2
			b) For other U.G. Programme*	b) C Programming C programming lab Lab	*4* *2*	*4* *0*	*0* *0*	*0* *2*	*3* *2*
	IV	14	Common	Value Based Education	2	2	0	0	2
Subtotal					**30**	**21**	**1**	**8**	**22**
	I	15	Language	Tamil/Other Language	6	6	0	0	4
	II	16	Language	English	6	6	0	0	4
	III	17	Core-3	Java Programming	4	4	0	0	4
	III	18	Major Practical -3	Java Programming Lab	3	0	0	3	2
III	III	19	Allied II	Scripting Languages	3	3	0	0	3
	III	20	Allied Practical - II	Scripting Languages Lab	2	0	0	2	2
	III	21	Skill Based Core-I	Digital Design	4	4	0	0	4
	IV	22	Non- Major Elective	1. Fundamentals of Internet and Emerging Technologies 2. Basic Programming Design	2	2	0	0	2
		23	Common	Yoga*	2	2	0	0	2
Subtotal (excluding Yoga)					**30**	**25**	**0**	**5**	**25**
	I	24	Language	Tamil/Other Language	6	6	0	0	4
	II	25	Language	English	6	6	0	0	4
	III	26	Core-4	Data Structures	4	4	0	0	4
IV	III	27	Major Practical - IV	Data Structures lab	3	0	0	3	2
	III	28	Allied -II	Machine Learning Techniques	3	3	0	0	3
	IV	29	Allied II Practicals	PYTHON	2	0	0	2	2
	III	30	Skill Based – Core II	Computer Architecture	4	4	0	0	4

	IV	31	Non-Major Elective	1. HTML 2. Programming in C	2	2	0	0	2
		32	Common	Computers for Digital Era *	2	2	0	0	2
	V	33	Extension Activity	NCC, NSS, YRC, YWF	0	0	0	0	1
			Subtotal **(Excluding Computer for Digital Era)**		**30**	**25**	**0**	**5**	**28**
V	III	34	Core-5	Relational Database Management Systems	5	5	0	0	4
	III	35	Core-6	Data Communication and Computer networks	4	4	0	0	4
	III	36	Core-7	PHP and mySQL	4	4	0	0	4
	III	37	Major Practical - V	PHP	4	0	0	4	2
	III	38	Major Practicals VI	Machine Learning lab	4	0	0	4	2
	III	39	Major practicals - VII	Green Foot Lab	3	0	0	3	2
	III	40	Major Elective – I (Anyone)	1. Mobile application Development 2. Introduction to Security in Computing 3. Cloud Computing	4	4	0	0	4
	III	41	Skill Based Common	Personality Development/ Effective Communication/ Youth Development	2	2	0	*	2
	Subtotal				**30**	**19**	**0**	**11**	**24**
VI	III	42	Core-8	Operating System	4	4	0	0	4
	III	43	Core-9	Software Engineering and Testing	4	4	0	0	4
	III	44	Core-10	Computer Graphics and Visualization	4	3	1	0	4
	III	45	Major Practical - VIII	Computer Graphics Lab	4	0	0	4	2

MANONMANIAM SUNDARANAR UNIVERSITY, TIRUNELVELI

SYLLABUS FOR ENVIRONMENTAL STUDIES FOR

UNDERGRADUATE COURSES –

PART IV-COMPULSORY PAPER

UNIT I: THE MULTIDISCIPLINARY NATURE OF ENVIRONMENTAL STUDIES

Definition, scope and importance Natural resources and associated problems:

a) Forest resources: Use and over-exploitation, deforestation, timber extraction, dams and their effects on forests and tribal people.
b) Water resources: Use and over-utilization of surface and ground water, floods, drought, dams-benefits and problems, water conservation and watershed management.
c) Mineral resources: Use and exploitation, environmental effects.
d) Food resources: World food problems, changes, effects of modern agriculture, fertilizer-pesticide problems.
e) Energy resources: Growing energy needs, renewables and non-renewable energy sources, alternate energy sources.
f) Land resources: Land as a resource, land degradation, man-induced landslides, soilerosionand desertification.
g) Role of an individual in conservation of natural resources.
h) Equitable use of resources for sustainable lifestyles.

UNIT II: ECOSYSTEMS

a) Forest Ecosystem
b) Grassland Ecosystem
c) Desert ecosystem
d) Aquatic Ecosystem (Ponds rivers, oceans, estuaries) Food Chains, Food Webs and Ecological Pyramids Energy flow in the ecosystem Ecological succession
.

UNIT III : BIODIVERSITY AND ITS CONSERVATION

Introduction Definition: Genetic, species and ecosystem diversity.
Biogeographical classification of India Values of Biodiversity
Biodiversity at global, national and local levels India as a mega-diversity nation
Hot-Spots of biodiversity
Threats to biodiversity
Endangered and endemic species of India
Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity.

UNIT IV: ENVIRONMENTAL POLLUTION

Definition- Causes, effects and control measures of:-

   a) Air Pollution
   b) Water Pollution
   c) Soil Pollution
   d) Marine Pollution
   e) Noise Pollution.
   f) Thermal Pollution

Solid Waste Management
Disaster Management: Floods, earthquake, cyclone and landslides.

UNI TV: SOCIAL ISSUES AND THE ENVIRONMENT

Climatic change, global warming, acid rain, ozone depletion.
Wasteland reclamation
Consumerism and Waste products, use and through plastics
Environment Protection Act
Air (Prevention and Control of Pollution Act
Water (Prevention and Control of Pollution) Act
Wildlife Protection Act
Forest Conservation Act
Population Explosion — Family Welfare Programme
Human Rights

REFERENCES:

1. Vijayalakshmi, G. S.|, A. G. Murugesan and N. Sukumaran.2006. Basics
    of Environmental Science, Manonmaniam Sundaranar University
    Publications, Tirunelveli, pp.160

2. Agarwal. K. C.2001.Environmental Biology, Nidi Publications Limited, Bikaner.
3. A. K. De.1999. Environmental Chemistry, Wiley Eastern Limited, India.
4. Jadhav, H. and Bhosale,V.M.1995. Environmental Protection and
    Laws, Himalaya Publishing House, Delhi. pp284.
5.   O
     dum, E.P.1971. Fundamentals of Ecology, W.B.Saunders
     Co.,USA.pp.574.

MANONMANIAM SUNDARANAR UNIVERSITY TIRUNELVELI

U.G. PART IV - COURSES – AFFILIATED COLLEGES

(Choice Based Credit System)

(For those who joined from 2021- 2022 onwards)

Value Based Education
II Semester

L	T	P	C
2			2

a. Course Code:

b. Course Objectives:

The course will enable the student to:

1. state the meaning of social justice, human rights, Globalization, mass media and new media
2. enumerate the rights of women, children, Dalits, minorities and physically challenged as per Indian constitution
3. comprehend the social realities and issues and challenges in globalization and inculcate an essential value system towards building a healthy society

c. Course Prerequisites:

a. positive attitude towards social justice and communal harmony
b. aspiration to create a better world
c. respect for Indian constitution, humanity, ethics and value

d. Course Outcome (COs):

After completing the course the students will be able to:

CO1: Identify the contribution of social reformers and factors that influence social justice

CO2: Compare and list the legal rights provided to women, children, Dalits, minorities and physically challenged as per human rights and Indian constitution

CO3: Stay as a responsible citizen and raise voice for any violence against women

CO4: analyze the prospects and challenges in mass media role of media in

CO5: assess the influence of new media on children and youth and use them to inculcate communal harmony and social justice

CO6: frame their own personal values based on social ethics to moderate the social issues and lead a secular society

f. Course Outline:

The course inculcates value and ethics in individual for being a responsible citizen and build a nation with social justice and communal harmony.

Unit I: Social Justice   **Contact Hours: 7**
Social Justice: definition – need – parameters – influencing factors – caste and gender – contributions of social reformers.

Unit II: Human Rights and Marginalized People   **Contact Hours: 8**
Human Rights: concept – principles – human rights and Indian constitution – Rights of Women and children – violence against women – Rights of marginalized people, women, children, dalits, minorities and physically challenged.

Unit III: Social Issues and Communal Harmony   **Contact Hours: 8**
Social issues: causes and magnitude – alcoholism, drug addiction, poverty, unemployment – Communal harmony: concept – religion and its place in public in public domain – separation of region from politics – secularism role of civil society.

Unit IV: Media Education and Globalized World Scenario   **Contact Hours: 7**
Mass media: functions, characteristics, need and purpose – effects and influence – youth and children – media power – socio cultural and political consequences – mass mediated culture – consumeristic culture – Globalization – New media: prospects and challenges

Unit V: Values and Ethics   **Contact Hours: 6**
Personal values – family values – social values – cultural values – Professional values – and overall ethics – duties and responsibilities

Mapping of COs to POs and PSOs

	Course Outcome	PO Addressed	Correlation Level	PSO Addressed	Correlation Level	Cognitive Level
CO1		PO1 to PO8	L/M/H	PSO1 to PSO8	L/ M/ H	K_1 to K_6
CO2						
CO3						
CO4						
CO5						
CO6						

(L – Low, M – Medium, H – High; K_1 – Remember, K_2 – Understand, K_3 – Apply, K_4 – Analyze, K_5 – Evaluate, K_6 – Create)

Reference Books:
1. Francis, K. (1993). *Education reform for social justice (Vol. 2).* Discovery publishing house
2. Satvinder Juss. (2020). *Human rights in India*. Routledge
3. Smarak Swain, S. (2011). *Social issues of India*. New Vishal publications
4. Chakraborty, S. K., Chakraborty, D. (2006). *Human Values and Ethics*. ICFAI University Press
5. David Buckingham. (2013). *Media Education: Literacy, Learning & Contemporary culture*. Wiley Publishers.

MANONMANIAM SUNDARANAR UNIVERSITY, TIRUNELVELI - 12
UG COURSES – AFFILIATED COLLEGES
(For all UG / Integ. P G Courses)
Semester - III
(For those who joined the course from the Academic year 2016-2017)
EXTENSION ACTIVITIES - YOGA

Course Credit: 2 (Two hours per week) - 50% theory and 50% practical

Assessment:

CIA	– 25 marks
Practical	– 25 marks
Theory Examination	– 50 marks (Objective type)
Total	**- 100 marks**

Objectives

The course aim at;

- Prevention of health problems and rehabilitation through Yoga
- Promoting positive health
- Promoting total personality development of students in Colleges and Universities
- Invoke positive attitude and spirit to channelize their energies in to creative and constructive endeavours.

Unit – I – Introduction to Human Body (3 hours)

Body Structure - Systems of Human Body – Body Function – Physical Health – Physical Fitness – meaning of wholesome development.

Unit – II – Yoga (3 hours)

Origin and development of Yoga - Meaning and importance of Yoga - Yoga as a Science - Principles of Yogic Practices, Yogic therapies and modern concept of Yoga – Balanced Diet.

Unit – III – Mental Health (3 hours)

Mind – Mental Health -Stages of Mind – Mental frequency – Mind training process – Methods of concentration – Brain and memory power.

Unit IV –Asanas and Kapalabhati (3 hours)

Importance of preparatory exercises - Meaning of Asana, its types, benefits and principles - Meaning of Kapalabhati, its types, benefits and principles.

Unit V – Pranayama and Meditation (3 hours)

Meaning of Pranayama, its types, benefits and principles - Meaning of Meditation, principles and its benefits

Practical (15 hours)

1. Simplified Exercises / Warm-up
2. Yogasana
   a. Standing - Tadasana, Vriksasana, pada hastasana, Ardha Cakrasana, Trikonasana
   b. Sitting - Bhadrasana, ardhaustrasana, sasankasana, vakrasana
   c. Prone - Bhujangasana, salabhasana, makarasana,
   d. Supine – Sethubandhasana, Pavanamutasana, savasana
3. Kapalabhati
4. Pranayama
5. Meditation and Relaxation.

References:

- Anatomy and Physiology of Yogic Practices - M.M Ghore, Kaivalyadhama, Lonavala, Pune. 4.
- Yoga for different ailments - series published by SVYASA, Bangalore and Bihar Yoga Bharati.
- Yoga therapy : by Swami Kuvalayanand, Kaivalaya dhama, Lonavala.
- Pranayama - B.K.S. Iyengar
- Asana, Pranayama, Mudra, Bandha - Swami Satyananda Saraswati, Bihar School of Yoga, Munger.
- Promotion of positive Health - published by SVYASA, Bangalore

Common Paper for UG and PG Integrated Programmes

COMPUTERS FOR DIGITAL ERA

L	T	P*	C
2	0	0	2

Syllabus (For all U.G Courses & Integrated P.G. Programmes) w.e.f 2017-18   (MANDATORY COURSE)

(For the IV Semester UG/ Integrated PG Students of Departments and Affiliated Colleges of Manonmaniam Sundaranar University with effect from the Academic Year 2017-18.)

Objectives:

1. To create the awareness about the digital India among the student community.

2. To make the student to understand the role of computer in the day to day living.

3. To create the awareness about the e-learning and security issues.

Unit I   **FUNDAMENTALS OF COMPUTERS**   **5 Hrs (3L + 2P)**

The role of computers in the modern society – Types of Computers and their specifications – Server – Desk Top Computers - Lap Top – Tablet – Smart Phones - Block diagram of Digital Computer –Working Principle of Computer, I/O Devices – Central Processing Unit – Types of Memory - Display – Port – UPS – Setting up and Maintenance of Computer.

Unit II   **TYPES OF SOFTWARE AND OFFICE AUTOMATION**   **6 Hrs (3L + 3P)**

Types of Software with examples – System Software – Application Software – Utility Software - Operating System – Basics on Windows – Introduction to Android –Application Software - Free Open source software – Database and its applications – Office Automation Software – applications of Microsoft Word – Microsoft Power Point – Microsoft Excel.

Unit III   **INTERNET AND MOBILE APPLICATIONS**   **7 Hrs (4L + 3P)**

Introduction to computer networks – LAN – WAN – MAN – Wired and wireless network – Wi Fi Networks - Network Devices – Modem – Switch – Router – Broad Band – Leased Lines- Internet – WWW – URL- Browser – e-mail – SMS – MMS - Client Server Computing - Cloud – Public and Private cloud – Mobile Applications.

Unit IV   **E – GOVERNANCE IN INDIA**   **7 Hrs (4L + 2P)**

E-Governance initiative by the Government – Digital India Platform – Agencies enabling Digital India - Electronic Payment and Receipt – Digital Locker – e-district service – electronic signature service – Digital AIIMS – India BPO Scheme – Integrated Nutrient Managment – GIS – Mobile Seva App Store- GARV- Grameen Vidyutikaran

Unit V   **E – LEARNING AND MOOC**   **5 Hrs (L)**

E – Learning – Digital Library – E- Journals – Introduction to MOOC – Edex – Course era etc - SWAYAM – NPTEL – Cyber Security – Virus – Malware – Network Security - Hacking – Big Data – Data Analytics – Social Networks – Social Media Analytics- Introduction to IT Act.

∗ **10 Hours Practical Sessions are to be allotted for Computer & Mobile Applications**

Suggested List of Exercises:

1. Setting up of computers – Connecting I/O device, UPS, CPU, Printers, Mouse, Key Boards, Pen Drives, etc. (Mandatory)
2. Minor fault findings.
3. Preparing a word Document and saving, copying files, deleting files, renaming files, etc. (Mandatory)
4. Preparing slides – Animation – Slide Transition – Back Ground Changing – Word Art , etc. (Mandatory)
5. Preparing Mark Sheet with Excel - Calculating First Class, second class, etc. (Mandatory)
6. Browsing – Searching for documents – e-mail id creation - Useful mobile apps – downloading. (Mandatory)
7. Data/Wi-Fi Connectivity and Exchanging of Data.
8. Electronic Payment – Online Application Processing
9. Browsing for NPTEL/ SWAYAM Courses
10. Browsing the useful e-learning sites

Learning Outcomes:

At the end of the course the students will be able to:

1. apply the computing technology in their day to day life

2. create awareness regarding digital India initiatives to their surroundings

3. identify the areas where he can extend the digital computing for their benefits.

Text Book:

1. E- Materials of Manonmaniam Sundaranar University on "Computer for Digital Era", http://msuniv.ac.in

References:

1. Andrew S. Tanenbaum, Computer Networks, 4th Edition, Eastern Economy Edition, PHI Private Ltd, New Delhi, 2003.

2. Gautam Shroff, Enterprise Cloud Computing, Technology, Architecture, Applications, Cambridge University Press, First Edition, 2010.

3. Reza B'Far, Mobile Computing Principles, Cambridge University Press, First Edition, 2005.

4. Charles P Pfleeger, Shari Lawrence Pfleeger, Security in Computing, I Edition, Pearson Education, 2003.

5. https://swayam.gov.in

6. http://www.digitalindia.gov.in/content/social-media-analytics

Scheme of Examination	
Internal – 25 Marks	**External – 75 Marks**
Internal Break Up - 15 for Continuous Assessment Test (CAT) + 5 for Assignment + 5 for Seminar. 3 CATs (Two tests on Theory and one on Practical)are to be conducted	

MANONMANIAM SUNDARANAR UNIVERSITY

TIRUNELVELI -12

COMMON SKILL BASED SUBJECT FOR U.G. PROGRAMME

Personality Development

UNIT -I

PERSONALITY - Definition – Determinants – Personality Traits –Theories of Personality – Importance of Personality Development. **SELF AWARENESS** – Meaning – Benefits of Self – Awareness – Developing Self – Awareness. **SWOT** – Meaning – Importance- Application – Components. **GOAL SETTING** Meaning- Importance – Effective goal setting – Principles of goal setting – Goal setting at the Right level.

UNIT – II

SELF MONITORING – Meaning – High self – monitor versus low self monitor – Advantages and Disadvantages self monitor- Self –monitoring and job performance. **PERCEPTION**- Definition- Factor influencing perception- Perception process –Errors in perception – Avoiding perceptual errors. **ATTITUDE** – Meaning- Formation of attitude – Types of attitude - Measurement of Attitudes – Barriers to attitude change – Methods to attitude change. **ASSERTIVENESS** - Meaning – Assertiveness in Communication – Assertiveness Techniques – Benefits of being Assertive – Improving Assertiveness.

UNIT – III

TEAM BUILDING – Meaning – Types of teams – Importance of Team building- Creating Effective Team. **LEADERSHIP** – Definition – Leadership style- Theories of leadership – Qualities of an Effect leader. **NEGOTIATION SKILLS** – Meaning – Principles of Negotiation – Types of Negotiation – The Negotiation Process – Common mistakes in Negotiation process. **CONFLICT MANAGEMENT** – Definition- Types of Conflict- Levels of Conflict – Conflict Resolution – Conflict management .

UNIT –IV

COMMUNICATION – Definition – Importance of communication – Process of communication - Communication Symbols – Communication network – Barriers in communication – Overcoming Communication Barriers. **TRANSACTIONAL ANALYSIS** – Meaning – EGO States – Types of Transactions – Johari Window- Life Positions. **EMOTIONAL INTELLIGENCE**- Meaning – Components of Emotional Intelligence- Significance of managing Emotional intelligence – How to develop Emotional Quotient. **STRESS MANAGEMENT** – Meaning – Sources of Stress – Symptoms of Stress – Consequences of Stress – Managing Stress

UNIT – V

SOCIAL GRACES – Meaning – Social Grace at Work – Acquiring Social Graces. **TABLE MANNERS** – Meaning – Table Etiquettes in Multicultural Environment- Do's and Don'ts of Table Etiquettes. **DRESS CODE** – Meaning- Dress Code for selected Occasions – Dress Code for an Interview. **GROUP DISCUSSION** – Meaning – Personality traits required for Group Discussion- Process of Group Discussion- Group Discusson Topics**. INTERVIEW** – Definition-Types of skills – Employer Expectations –Planning for the Interview – Interview Questions-Critical Interview Questions.

References :

1. Dr.S. Narayana Rajan, Dr. B. Rajasekaran, G. Venkadasalapthi, V. Vijuresh Nayaham and Herald M.Dhas, **Personality Development**, Publication Division, Manonmaniam Sundaranar University, Tirunelveli
2. Stephan P.Robbins, **Organisational Behaviour**, Tenth Edition, Prentice Hall of India Private Limited, New Delhi,2008
3. Jit S. Chandan, **Oragnisational Behaviour**, Third Edition, Vikas Publishing House Private Limited, 2008
4. Dr.K.K. Ramachandran and Dr.K.K. Karthick, **From Campus to Corporate**, Macmillan Publishers India Limited, New Delhi,2010.

Common Course Structure for other UG Degree programmers in Science

B.Sc Zoology Major

III	I	Language	Tamil/Other Language	1	6	4	25	75	100	30	40
	II	Language	English	1	6	4	25	75	100	30	40
	III	Core	Developmental Zoology	1	4	4	25	75	100	30	40
	III	Major Practical- III	Developmental Zoology	1	2	1	25	75	100	30	40
	III	II-Allied-I	Cell Biology, Genetics and Biotechnology / Industrial Fish and Fisheries-Biology of Fish	1	4	3	25	75	100	30	40
	III	II-Allied Practical- I	Cell Biology, Genetics and Biotechnology / Industrial Fish and Fisheries-Biology of Fish	1	2	1	50	50	100	20	40
	III	Skill Based-Core	(Any one) 1. Home Aquarium 2. Nutrition and Dietetics	1	4	4	25	75	100	30	40
	IV	Non- Major Elective	(Any one) 1. Bee Keeping 2. Clinical Biology	1	2	2	25	75	100	30	40
	IV	Common	YOGA*		2	2	25	75	100	30	40
			Sub total	**8**	**30**	**25**					
IV	I	Language	Tamil/Other Language	1	6	4	25	75	100	30	40
	II	Language	English	1	6	4	25	75	100	30	40
	III	Core	Cell and Molecular Biology	1	4	4	25	75	100	30	40
	III	Major Practical- IV	Cell and Molecular Biology	1	2	1	50	50	100	20	40
	III	II-Allied-II	Developmental Zoology, Ecology, Animal Physiology and Evolution / Industrial	1	4	3	25	75	100	30	40

		Fish and Fisheries-Capture Fisheries								
III	II-Allied Practical- II	Developmental Zoology, Ecology, Animal Physiology and Evolution / Industrial Fish and Fisheries-Capture Fisheries	1	2	1	50	50	100	20	40
III	Skill Based -Core	(Any one) 1.Biophysics and Bioinstrumentation 2.Vermitechnology	1	4	4	25	75	100	30	40
IV	Non- Major Elective	(Any one) 1. Public Health and Hygiene 2.Community and Social Preventive Medicine.	1	2	2	25	75	100	30	40
V	Extension Activity	NCC/NSS/YRC/YW/PE			1	25	75	100	30	40
IV	Common	Computer for Digital Era*			2	25	75	100	30	40
		Sub total	**8**	**30**	**26**					
V	III	Core	Ecology and Toxicology	1	5	4	25	75	100	30	40
	III	Core	Genetics	1	5	4	25	75	100	30	40
	III	Core	Animal Physiology and Biochemistry	1	5	4	25	75	100	30	40
	III	Core	Immunology and Microbiology	1	5	4	25	75	100	30	40
	III	Major Practical- V	Ecology and Toxicology and Genetics	1	3		50	50	100	20	40
	III	Major Practical- VI	Animal Physiology and Biochemistry	1	3	4	50	50	100	20	40
	III	Major Practical-VII	Immunology and Microbiology	1	2		50	50	100	20	40
	IV	Skill Based Common	Personality Development/ Effective Communication/ Youth	1	2	2	25	75	100	30	40

Common Course Structure for other UG Degree programmers in Science

B.Sc Zoology Major

			Leadership								
			Sub total	**8**	**30**	**22**					
VI	III	Core	Evolution	1	5	4	25	75	100	30	40
	III	Core	Animal Biotechnology	1	5	4	25	75	100	30	40
	III	Core	Biostatistics, Computer Applications & Bioinformatics	1	5	4	25	75	100	30	40
	III	Major Elective	Group A (Any one) 1. Sericulture 2. Economic Entomology 3. Dairy farming	1	5	4	25	75	100	30	40
	III	Major Elective	Group B (Any one) 1. Apiculture 2. Food and Food Processing Technology 3. Poultry Science	1	4	4	25	75	100	30	40
	III	Major Practical- VIII	Evolution and Animal Biotechnology	1	2		50	50	100	20	40
	III	Major Practical- IX	Biostatistics, Computer Applications & Bioinformatics	1	2	4	50	50	100	20	40
	III	Major Elective Practical- X	Corresponding Major Electives	1	2		50	50	100	20	40
			Sub total	8	**30**	**24**					

(For all UG / Integ. P G Courses)
Semester - III

EXTENSION ACTIVITIES - YOGA

Course Credit: 2 (Two hours per week) - 50% theory and 50% practical

Assessment:

CIA	– 25 marks
Practical	– 25 marks
Theory Examination	– 50 marks (Objective type)
Total	**- 100 marks**

Objectives

The course aim at;

- Prevention of health problems and rehabilitation through Yoga
- Promoting positive health
- Promoting total personality development of students in Colleges and Universities
- Invoke positive attitude and spirit to channelize their energies in to creative and constructive endeavours.

Unit – I – Introduction to Human Body (3 hours)

Body Structure - Systems of Human Body – Body Function – Physical Health – Physical Fitness – meaning of wholesome development.

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Origin and development of Yoga - Meaning and importance of Yoga - Yoga as a Science - Principles of Yogic Practices, Yogic therapies and modern concept of Yoga – Balanced Diet.

Unit – III – Mental Health (3 hours)

Mind – Mental Health -Stages of Mind – Mental frequency – Mind training process – Methods of concentration – Brain and memory power.

Unit IV –Asanas and Kapalabhati (3 hours)

Importance of preparatory exercises - Meaning of Asana, its types, benefits and principles - Meaning of Kapalabhati, its types, benefits and principles.

Unit V – Pranayama and Meditation (3 hours)

Meaning of Pranayama, its types, benefits and principles - Meaning of Meditation, principles and its benefits

Practical (15 hours)

1. Simplified Exercises / Warm-up
2. Yogasana
   a. Standing - Tadasana, Vriksasana, pada hastasana, Ardha Cakrasana, Trikonasana
   b. Sitting - Bhadrasana, ardhaustrasana, sasankasana, vakrasana
   c. Prone - Bhujangasana, salabhasana, makarasana,
   d. Supine – Sethubandhasana, Pavanamutasana, savasana
3. Kapalabhati
4. Pranayama
5. Meditation and Relaxation.

References:

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- Yoga therapy : by Swami Kuvalayanand, Kaivalaya dhama, Lonavala.
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- Asana, Pranayama, Mudra, Bandha - Swami Satyananda Saraswati, Bihar School of Yoga, Munger.
- Promotion of positive Health - published by SVYASA, Bangalore

Common Paper for UG and PG Integrated Programmes

COMPUTERS FOR DIGITAL ERA

L	T	P*	C
2	0	0	2

Syllabus (For all U.G Courses & Integrated P.G. Programmes)   **(MANDATORY COURSE)**

(For the IV Semester UG/ Integrated PG Students of Departments and Affiliated Colleges of Manonmaniam Sundaranar University with effect from the Academic Year 2017-18.)

Objectives:

1. To create the awareness about the digital India among the student community.

2. To make the student to understand the role of computer in the day to day living.

3. To create the awareness about the e-learning and security issues.

Unit I   **FUNDAMENTALS OF COMPUTERS**   **5 Hrs (3L + 2P)**

The role of computers in the modern society – Types of Computers and their specifications – Server – Desk Top Computers - Lap Top – Tablet – Smart Phones - Block diagram of Digital Computer –Working Principle of Computer, I/O Devices – Central Processing Unit – Types of Memory - Display – Port – UPS – Setting up and Maintenance of Computer.

Unit II   **TYPES OF SOFTWARE AND OFFICE AUTOMATION**   **6 Hrs (3L + 3P)**

Types of Software with examples – System Software – Application Software – Utility Software - Operating System – Basics on Windows – Introduction to Android –Application Software - Free Open source software – Database and its applications – Office Automation Software – applications of Microsoft Word – Microsoft Power Point – Microsoft Excel.

Unit III   **INTERNET AND MOBILE APPLICATIONS**   **7 Hrs (4L + 3P)**

Introduction to computer networks – LAN – WAN – MAN – Wired and wireless network – Wi Fi Networks - Network Devices – Modem – Switch – Router – Broad Band – Leased Lines- Internet – WWW – URL- Browser – e-mail – SMS – MMS - Client Server Computing - Cloud – Public and Private cloud – Mobile Applications.

Unit IV   **E – GOVERNANCE IN INDIA**   **7 Hrs (4L + 2P)**

E-Governance initiative by the Government – Digital India Platform – Agencies enabling Digital India - Electronic Payment and Receipt – Digital Locker – e-district service – electronic signature service – Digital AIIMS – India BPO Scheme – Integrated Nutrient Managment – GIS – Mobile Seva App Store- GARV- Grameen Vidyutikaran

Unit V   **E – LEARNING AND MOOC**   **5 Hrs (L)**

E – Learning – Digital Library – E- Journals – Introduction to MOOC – Edex – Course era etc - SWAYAM – NPTEL – Cyber Security – Virus – Malware – Network Security - Hacking – Big Data – Data Analytics – Social Networks – Social Media Analytics- Introduction to IT Act.

∗   **10 Hours Practical Sessions are to be allotted for Computer & Mobile Applications**

Suggested List of Exercises:

1. Setting up of computers – Connecting I/O device, UPS, CPU, Printers, Mouse, Key Boards, Pen Drives, etc. (Mandatory)
2. Minor fault findings.
3. Preparing a word Document and saving, copying files, deleting files, renaming files, etc. (Mandatory)
4. Preparing slides – Animation – Slide Transition – Back Ground Changing – Word Art , etc. (Mandatory)
5. Preparing Mark Sheet with Excel - Calculating First Class, second class, etc. (Mandatory)
6. Browsing – Searching for documents – e-mail id creation - Useful mobile apps – downloading. (Mandatory)
7. Data/Wi-Fi Connectivity and Exchanging of Data.
8. Electronic Payment – Online Application Processing
9. Browsing for NPTEL/ SWAYAM Courses
10. Browsing the useful e-learning sites

Learning Outcomes:

At the end of the course the students will be able to:

1. apply the computing technology in their day to day life

2. create awareness regarding digital India initiatives to their surroundings

3. identify the areas where he can extend the digital computing for their benefits.

Text Book:

1. E- Materials of Manonmaniam Sundaranar University on "Computer for Digital Era", http://msuniv.ac.in

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1. Andrew S. Tanenbaum, Computer Networks, 4th Edition, Eastern Economy Edition, PHI Private Ltd, New Delhi, 2003.

2. Gautam Shroff, Enterprise Cloud Computing, Technology, Architecture, Applications, Cambridge University Press, First Edition, 2010.

3. Reza B'Far, Mobile Computing Principles, Cambridge University Press, First Edition, 2005.

4. Charles P Pfleeger, Shari Lawrence Pfleeger, Security in Computing, I Edition, Pearson Education, 2003.

5. https://swayam.gov.in

6. http://www.digitalindia.gov.in/content/social-media-analytics

Scheme of Examination	
Internal – 25 Marks	**External – 75 Marks**
Internal Break Up - 15 for Continuous Assessment Test (CAT) + 5 for Assignment + 5 for Seminar. 3 CATs (Two tests on Theory and one on Practical)are to be conducted	

Personality Development

UNIT -I

PERSONALITY - Definition – Determinants – Personality Traits –Theories of Personality – Importance of Personality Development. **SELF AWARENESS** – Meaning – Benefits of Self – Awareness – Developing Self – Awareness. **SWOT** – Meaning – Importance- Application – Components. **GOAL SETTING** Meaning- Importance – Effective goal setting – Principles of goal setting – Goal setting at the Right level.

UNIT – II

SELF MONITORING – Meaning – High self – monitor versus low self monitor – Advantages and Disadvantages self monitor- Self –monitoring and job performance. **PERCEPTION**-Definition- Factor influencing perception- Perception process –Errors in perception – Avoiding perceptual errors. **ATTITUDE** – Meaning- Formation of attitude – Types of attitude - Measurement of Attitudes – Barriers to attitude change – Methods to attitude change. **ASSERTIVENESS** - Meaning – Assertiveness in Communication – Assertiveness Techniques – Benefits of being Assertive – Improving Assertiveness.

UNIT – III

TEAM BUILDING – Meaning – Types of teams – Importance of Team building- Creating Effective Team. **LEADERSHIP** – Definition – Leadership style- Theories of leadership – Qualities of an Effect leader. **NEGOTIATION SKILLS** – Meaning – Principles of Negotiation – Types of Negotiation – The Negotiation Process – Common mistakes in Negotiation process. **CONFLICT MANAGEMENT** – Definition- Types of Conflict- Levels of Conflict – Conflict Resolution – Conflict management .

UNIT –IV

COMMUNICATION – Definition – Importance of communication – Process of communication - Communication Symbols – Communication network – Barriers in communication – Overcoming Communication Barriers. **TRANSACTIONAL ANALYSIS** – Meaning – EGO States – Types of Transactions – Johari Window- Life Positions. **EMOTIONAL INTELLIGENCE**- Meaning – Components of Emotional Intelligence-Significance of managing Emotional intelligence – How to develop Emotional Quotient. **STRESS MANAGEMENT** – Meaning – Sources of Stress – Symptoms of Stress – Consequences of Stress – Managing Stress

UNIT – V

SOCIAL GRACES – Meaning – Social Grace at Work – Acquiring Social Graces. **TABLE MANNERS** – Meaning – Table Etiquettes in Multicultural Environment- Do's and Don'ts of Table Etiquettes. **DRESS CODE** – Meaning- Dress Code for selected Occasions – Dress Code for an Interview. **GROUP DISCUSSION** – Meaning – Personality traits required for Group Discussion- Process of Group Discussion- Group Discusson Topics**. INTERVIEW** – Definition- Types of skills – Employer Expectations –Planning for the Interview – Interview Questions- Critical Interview Questions.

References :

1. Dr.S. Narayana Rajan, Dr. B. Rajasekaran, G. Venkadasalapthi, V. Vijuresh Nayaham and Herald M.Dhas, **Personality Development**, Publication Division, Manonmaniam Sundaranar University, Tirunelveli
2. Stephan P.Robbins, **Organisational Behaviour**, Tenth Edition, Prentice Hall of India Private Limited, New Delhi,2008
3. Jit S. Chandan, **Oragnisational Behaviour**, Third Edition, Vikas Publishing House Private Limited, 2008
4. Dr.K.K. Ramachandran and Dr.K.K. Karthick, **From Campus to Corporate**, Macmillan Publishers India Limited, New Delhi,2010.

Vision of the University

To provide quality education to reach the un-reached

Mission of the University

To conduct research, teaching and outreach programmes to improve conditions of human living.

To create an academic environment that honours women and men of all races, caste, creed, cultures and an atmosphere that values intellectual curiosity, pursuit of knowledge, academic freedom and integrity.

To offer a wide variety of off-campus educational and training programs, including the use of information technology, to individuals and groups.

To develop partnership with industries and government so as to improve the quality of the workplace and to serve as catalyst for economic and cultural development.

To provide quality / inclusive education, especially for the rural and un-reached segments of economically downtrodden students including women, socially oppressed and differently abled.

Vision of the Department

Creating a sporty and fit nation through Physical Education and Sports

Mission of the Department

To conduct research, teaching and outreach programmes to improve health conditions and sports performance of human being.

To collaborate with stakeholders to improve the standard of living and to serve as catalyst for fitness and wellness.

To provide quality / inclusive physical education.

To provide opportunities to develop the knowledge, skills, and personalities necessary to meet their personal and professional goals.

To move towards a more physically active lifestyle by changing behavioural patterns.

To create the sports culture at the grass-root level.

Preamble

Physical Education is a form of one of the most effective means of education imparted through physical exercises, recreational activities and sports. It is an integral part of education. Which by mere participation in it gives the outcomes. These outcomes are both instant as well as have strong carry over values in the life. The children as well as the adults and the old enjoy physical activities & sports and gets benefit in the form of stronger muscles and bones, increased energy, coordination level and most importantly the decreased risk of developing chronic diseases.

The UNESCO in its General Conference in 1978 was convinced that, everyone should be free to develop and preserve his or her physical, intellectual and moral powers. Physical Education, Health Education and Sports should consequently be assured and guaranteed for all human beings. Physical Education is now a regular feature in the primary and secondary schools as well as it is gaining popularity in the higher education. The course opted for this is elective as well as the core at the college and the university level in India.

The graduate level course in Physical Education, Health Education and Sports contains subjects varying from foundation of Physical Education to Anatomy, Physiology, Kinesiology, Test & Measurement, Nutrition, Rehabilitation, Psychology, Sports Training, Sports Biomechanics, Methods of Teachings etc. which are aimed to give thorough knowledge and skills to the students. Students perusing physical education courses are fit to join the jobs as physical trainers, coaches, game officials, referees, umpires, curators, gym trainers, life guards, personal trainers etc. During their course of education the students also develops the expertise to establish their own business as entrepreneurs in the field of sports, fitness, recreation, adventure sports, camping, event management etc.

Learning Outcomes-Based Curriculum Framework
The learning outcomes-based curriculum framework for a B.Sc degree in Physical Education is intended to provide a broad framework within which Physical Education programme responds to the needs of students and requirements. The framework is expected to assist in the maintenance of standard and uniformity of Physical Education degrees across the country. This will also help in periodic programme review within a broad framework of agreed expected graduate attributes, qualification descriptors, programme learning outcomes and course-level learning outcomes. The framework does seek to bring about uniformity in syllabi for a programme of study in Physical Education, teaching-learning process as well as learning assessment procedures. However, the framework is also intended to allow flexibility and innovation in programme design.

Nature and extent of the B.Sc. degree programme
Physical Education is normally referred to as the science that aims to developall-inclusive aspects of human personality through physical and sports activities. Physical education is a multidisciplinary subject that cannot be studied in seclusion under the scope of one or two subjects. The scope of Physical Education as a subject is very broad. It caters to the need for developing capability of the students on physical, mental and social aspects. Physical education also aims to develop activity as an alternate and prophylactic medicine. The key areas of study within the Physical Education are *'Exercise Physiology, Sports Psychology, Sports Sociology, Sports Management, Sports Journalism, Kinesiology- Biomechanics, Sports Training, Sports Medicine, Kinanthropometry* etc.

Degree program in Physical Education covers topics that overlap with the areas outlined above and that address the interfaces of Physical Education with other subjects such as Physiology, Bio-Chemistry, Physics, Physiotherapy, Psychology, Management, Sociology along with training pedagogy employed for enhancing the functional status of individuals with varied needs. As a part of the effort, to enhance the employability of graduates of Physical Education, programs include learning experiences that offer opportunities in various spheres of human existence.

Program SpecificOutcomes (PSOs)
This would lead the students to understand historical concept of physical education and relationship between Philosophy, Education and Physical Education. The student would further understand the theoretical implications of philosophies of physical education with modern development and social aspects of Physical Education.

1. The curriculum would enable the pass out to select the inherited talented children for various sports activities.
2. The pass out shall be able to orient children in schools with the fundamental skills of selected sports as per their inherited potential.
3. The pass out shall be able to devise training program for athletes engaged in different sports activities
4. The curriculum shall enable them to officiate, supervise various sports tournaments and orient them in organizing sports events at all levels.
A. The curriculum would enable the pass out students to be entrepreneur (to start their own fitness centre, gym, spa etc) and device appropriate fitness program for different genders and age groups of people.
5. The curriculum would enable the pass out to devise training program for physically challenged peoples.

Eligibility for Admission to the programme B.Sc Physical Education, Health Education and Sports (3 Years)
A. Applicants should have passed the +2 examination of the Government of Tamil Nadu or any other equivalent examination recognized by the Government of Tam I Nadu or approved by the concerned University.
B. School representation in any game or sports is preferred for the applicants. The procedure followed for the selection of B.P.Ed degree should be followed for B Sc., Physical Education, Health Education and Sports Degree candidates.
C. The candidates should not have completed 21 years of age as on 1st July. However, relaxation of 3 years may be given for SC/ST.

Admission shall be made on the basis of ranking for a total of 150 marks as detailed below

1.	Qualifying Examination	25 marks
2.	Participation in Sports and Games	25 marks
3.	Games skill test	50 marks
4.	Track and Field Skill test	50 marks

Games and Sports participation: **(Maximum Marks:25)**

1.	Representation for the Country/National placing	25 marks
2.	State Representation (Form II/IV in games/Sports)	20 marks
3.	Inter Division (Participation) BDS/RDS	15 marks
	Inter District (Participation)/CBSC CLUSTER	
4.	District (BDS/RDS)	10 marks
5.	Inter-School Representation	05 marks

All other quota system and rule of reservation of the Government of Tamil Nadu shall be followed.

Course-level learning outcomes
The undergraduate degree program of Physical education will be of three years with six semesters. The Course-level learning outcomes for each course within B.Sc degree programme in Physical Education are given below with content matter (detail syllabus of five units) to be taught in each unit and semester for three years

Scheme of Examination 2021-22(Semester I-VI)

SEMESTER I

PART	Core/Allied	Title	Hours	Credits
Part I	Language	Tamil	6	4
Part II	Language	English	6	4
Part III	Core I	Foundation of Physical Education and Gymnastics	5	4
Part III	Core II	Professional English	4	4
Part III	Major Practical-I	Gymnastics	2	2
Part III	Allied I	Basic Anatomy and Physiology	3	3
Part III	Allied Practical - I	Kinanthropometry	2	2
Part IV		Environmental Studies	2	2
		Total	**30**	**25**

SEMESTER II

PART	Core/Allied	Title	Hours	Credits
Part I	Language	Tamil	6	4
Part II	Language	English	6	4
Part III	Core III	Theories of Games-I (Kabaddi, Kho-Kho, Handball)	5	4
Part III	Core IV	Professional English	4	4
Part III	Major Practical II	Kabaddi, Kho-Kho & Handball	4	2
Part III	Allied II	Health Education, Safety Education and First aid	3	3
Part IV		Value Based Education	2	2
		Total	**30**	**23**

SEMESTER III

PART	Core/Allied	Title	Hrs	Credits
Part I	Language	Tamil	6	4
Part II	Language	English	6	4
Part III	Core V	Methods in Physical Education	5	4
Part III	Allied III	Theories of Games-II (Badminton, Ball Badminton & Tennis)	3	3
Part III	Skill Based Core I	Principles of Sports Training	4	4
Part III	Core Practical III	Badminton, Ball Badminton & Tennis	4	2
Part IV	Non Major Elective I	Principles of Physical Literacy	2	2
Part IV	Common	Yoga	2	2
		Total	**32**	**25**

SEMESTER IV

PART	Core/Allied	Title	Hrs	Credits
Part I	Language	Tamil	6	4
Part II	Language	English	6	4
Part III	Core VI	Organization and Administration in Physical Education	5	4

Part III	Core Practical IV	Teaching Practice	4	2
Part III	Non Major Elective II	Fitness and Wellness	2	2
Part III	Skill Based Core II	Sports Psychology and Sociology	4	4
Part III	Allied IV	Sports Biomechanics and Kinesiology	3	3
Part IV	Common	Computers for Digital era	2	2
Part V	Extension Activity	NSS/NCC/YRC/YWF/PE	0	1
		Total	**32**	**26**

SEMESTER V

PART	Core/Allied	Title	Hrs	Credits
Part III	Core VII	Exercise Physiology	5	4
	Core VIII	Test, Measurement and Evaluation in Physical Education and Sports	5	4
Part III	Core IX	Theories of Track and Field	5	4
Part III	Core Elective I	a. Principles of Motor Development	5	4
		b. Adapted Physical Education		
Part III	Core Practical V	Track and Field Events	4	2
Part III	Core Practical VI	Measurement and Evaluation in Human Performance	4	2
Part IV	Skill Based Common	Personality Development / Effective Communication / Youth Leadership	2	2
		Total	**30**	**22**

SEMESTER VI

PART	Core/Allied	Title	Hrs	Credits
Part III	Core X	Athletic Care, Sports Injuries and Rehabilitation	5	4
Part III	Core XI	Theory of Games – III (Basketball, Football, Hockey, Cricket, Volleyball)	5	4
Part III	Core XII	Elementary Statistics in Physical Education	5	4
Part III	Core Elective II	a. Sports Nutrition	5	4
		b. Sports Journalism		
Part III	Project & Viva	Project & Viva - State/National Level Tournament (Or) Study Tour	5	2
Part III	Core Practical VII	Games of Specialization (Basketball, Football, Hockey, Cricket, Volleyball)	5	2
	Total		**30**	**20**

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MANONMANIAM SUNDARANAR UNIVERSITY, TIRUNELVELI

SYLLABUS FOR ENVIRONMENTAL STUDIES FOR

UNDER GRADUATE COURSES -

PART IV- COMPULSORY PAPER

UNIT I: THE MULTIDISCIPLINARY NATURE OF ENVIRONMENTAL STUDIES

Definition, scope and importance
Natural resources and associated problems:

a) Forest resources: Use and over-exploitation, deforestation, timber extraction, dams and their effects on forests and tribal people.
b) Water resources: Use and over-utilization of surface and ground water, floods, drought, dams-benefits and problems, water conservation and watershed management.
c) Mineral resources: Use and exploitation, environmental effects.
d)   Food resources: World food problems, changes, effects of modern agriculture, fertilizer-pesticide problems.
e) Energy resources: Growing energy needs, renewablesnd lnon renewable energy sources, alternate energy sources.
f)   Land resources: Land as a resource, land degradation, man-induced landslides, soil erosion and desertification.

UNIT II: ECOSYSTEMS

a) Forest Ecosystem
b) Grassland Ecosystem
c) Desert ecosystem
d) Aquatic Ecosystem (Ponds, rivers, oceans, estuaries)
   Energy flow in the ecosystem
   Ecological succession
   Food Chains, Food Webs and Ecological Pyramids.

UNIT III: BIODIVERSITY AND ITS CONSERVATION

Introduction Definition: Genetic, species and ecosystem diversity.
Biogeographical classification of Jndia
Values of Biodiversity
Biodiversity at global, national and local levels
India as a mega-diversity nation
Hot-Spots of biodiversity
Threats to biodiversity
Endangered and endemic species of India
Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity.

UNIT IV: ENVIRONMENTAL POLLUTION

Definition- Causes, effects and control measures of:-

a) Air Pollution
b) Water Pollution
c) Soil Pollution
d) Marine Pollution
e) Noise Pollution.
f) Thermal Pollution

Solid Waste Management
Disaster Management: Floods, earthquake, cyclone and landslides.

UNIT V: SOCIAL ISSUES AND THE ENVIRONMENT

Climatic change, global warming, acid rain, ozone depletion.
Wasteland reclamation
Consumerism and Waste products, use and through plastics
Environment Protection Act
Air (Prevention and Control of Pollution) Act
Water (Prevention and Control of Pollution) Act
Wildlife Protection Act
Forest Conservation Act
Population Explosion — Family Welfare Programme
Human Rights

REFERENCES:

1. G.S. Vijayalakshmi, A.G. Murugesan and N. Sukumaran. 2006. Basics of Environmental Science, Manonmaniam Sundaranar University Publications, Tirunelveli , pp.160.

2. Agarwal. K.C. 2001. Environmental Biology, Nidi Publications Limited, Bikaner.
3. A.K.De. 1999. Environmental Chemistry, Wiley Eastern Limited, India.
4. Jadhav,H. and Bhosale, V.M.1995. Environmental Protection and Laws, Himalaya Publishing House, Delhi. pp284.
5. Odum, E.P.1971. Fundamentals of Ecology, W.B.Saunders Co., USA. pp.574.

Value Based Education
II Semester

L	T	P	C
2			2

a. Course Code:

b. Course Objectives:

The course will enable the student to:

1. state the meaning of social justice, human rights, Globalization, mass media and new media
2. enumerate the rights of women, children, Dalits, minorities and physically challenged as per Indian constitution
3. comprehend the social realities and issues and challenges in globalization and inculcate an essential value system towards building a healthy society

c. Course Prerequisites:

a. positive attitude towards social justice and communal harmony
b. aspiration to create a better world
c. respect for Indian constitution, humanity, ethics and value

d. Course Outcome (COs):

After completing the course the students will be able to:

CO1: Identify the contribution of social reformers and factors that influence social justice

CO2: Compare and list the legal rights provided to women, children, Dalits, minorities and physically challenged as per human rights and Indian constitution

CO3: Stay as a responsible citizen and raise voice for any violence against women

CO4: analyze the prospects and challenges in mass media role of media in

CO5: assess the influence of new media on children and youth and use them to inculcate communal harmony and social justice

CO6: frame their own personal values based on social ethics to moderate the social issues and lead a secular society

f. Course Outline:

The course inculcates value and ethics in individual for being a responsible citizen and build a nation with social justice and communal harmony.

Unit I: Social Justice   **Contact Hours: 7**
Social Justice: definition – need – parameters – influencing factors – caste and gender – contributions of social reformers.

Unit II: Human Rights and Marginalized People   **Contact Hours: 8**
Human Rights: concept – principles – human rights and Indian constitution – Rights of Women and children – violence against women – Rights of marginalized people, women, children, dalits, minorities and physically challenged.

Unit III: Social Issues and Communal Harmony   **Contact Hours: 8**
Social issues: causes and magnitude – alcoholism, drug addiction, poverty, unemployment – Communal harmony: concept – religion and its place in public in public domain – separation of region from politics – secularism role of civil society.

Unit IV: Media Education and Globalized World Scenario   **Contact Hours: 7**
Mass media: functions, characteristics, need and purpose – effects and influence – youth and children – media power – socio cultural and political consequences – mass mediated culture – consumeristic culture – Globalization – New media: prospects and challenges

Unit V: Values and Ethics   **Contact Hours: 6**
Personal values – family values – social values – cultural values – Professional values – and overall ethics – duties and responsibilities

Mapping of COs to POs and PSOs

	Course Outcome	PO Addressed	Correlation Level	PSO Addressed	Correlation Level	Cognitive Level
CO1		PO1 to PO8	L/M/H	PSO1 to PSO8	L/ M/ H	K_1 to K_6
CO2						
CO3						
CO4						
CO5						
CO6						

(L – Low, M – Medium, H – High; K_1 – Remember, K_2 – Understand, K_3 – Apply, K_4 – Analyze, K_5 – Evaluate, K_6 – Create)

Reference Books:

1. Francis, K. (1993). *Education reform for social justice (Vol. 2).* Discovery publishing house
2. Satvinder Juss. (2020). *Human rights in India*. Routledge
3. Smarak Swain, S. (2011). *Social issues of India*. New Vishal publications
4. Chakraborty, S. K., Chakraborty, D. (2006). *Human Values and Ethics*. ICFAI University Press
5. David Buckingham. (2013). *Media Education: Literacy, Learning & Contemporary culture*. Wiley Publishers.

MANONMANIAM SUNDARANAR UNIVERSITY
TIRUNELVELI 627012, TAMIL NADU

MANDATORY COURSE (2 Credits)
FOR All UG PROGRAMMES

SYOG3A - YOGA
(From the academic year 2018-19)

Contents

Unit – I – Introduction to Human Body

> Body Structure
>
> Systems of Human Body
>
> Body Function
>
> Physical Health
>
> Physical Fitness
>
> Meaning of Wholesome development

Unit – II – Yoga

> Origin and development of Yoga
>
> Meaning and importance of Yoga
>
> Yoga as a Science
>
> Principles of Yogic Practices,
>
> Yogic therapies and modern concept of Yoga
>
> Balanced Diet

Unit – III – Mental Health

> Mind
>
> Mental Health
>
> Stages of Mind
>
> Mental frequency
>
> Mind training process
>
> Methods of concentration
>
> Brain and memory power

Unit IV –Asanas and Kapalabhati

> Importance of preparatory exercises
>
> Meaning of Asana, its types, benefits and principles
>
> Meaning of Kapalabhati, its types, benefits and principles

Unit V – Pranayama and Meditation

> Meaning of Pranayama, its types, benefits and principles
>
> Meaning of Meditation, principles and its benefits

Practical

1. Simplified Exercises / Warm-up
2. Yogasana
   a. Standing - Tadasana, Vriksasana, pada hastasana, Ardha Cakrasana, Trikonasana
   b. Sitting - Bhadrasana, ardhaustrasana, sasankasana, vakrasana
   c. Prone - Bhujangasana, salabhasana, makarasana,
   d. Supine – Sethubandhasana, Pavanamutasana, savasana
3. Kapalabhati
4. Pranayama
5. Meditation and Relaxation.

COMPUTERS FOR DIGITAL ERA

L	T	P*	C
2	0	0	2

Syllabus (For all U.G Courses & Integrated P.G. Programmes) w.e.f 2017-18   (MANDATORY COURSE)

(For the IV Semester UG/ Integrated PG Students of Departments and Affiliated Colleges of Manonmaniam Sundaranar University with effect from the Academic Year 2017-18.)

Objectives:

1. To create the awareness about the digital India among the student community.

2. To make the student to understand the role of computer in the day to day living.

3. To create the awareness about the e-learning and security issues.

Unit I　　　　　　　**FUNDAMENTALS OF COMPUTERS**　　　　**5 Hrs (3L + 2P)**

The role of computers in the modern society – Types of Computers and their specifications – Server – Desk Top Computers - Lap Top – Tablet – Smart Phones - Block diagram of Digital Computer –Working Principle of Computer, I/O Devices – Central Processing Unit – Types of Memory - Display – Port – UPS – Setting up and Maintenance of Computer.

Unit II　　　　　　**TYPES OF SOFTWARE AND OFFICE AUTOMATION**　　**6 Hrs (3L + 3P)**

Types of Software with examples – System Software – Application Software – Utility Software - Operating System – Basics on Windows – Introduction to Android –Application Software - Free Open source software – Database and its applications – Office Automation Software – applications of Microsoft Word – Microsoft Power Point – Microsoft Excel.

Unit III　　　　　　**INTERNET AND MOBILE APPLICATIONS**　　　**7 Hrs (4L + 3P)**

Introduction to computer networks – LAN – WAN – MAN – Wired and wireless network – Wi Fi Networks - Network Devices – Modem – Switch – Router – Broad Band – Leased Lines- Internet – WWW – URL- Browser – e-mail – SMS – MMS - Client Server Computing - Cloud – Public and Private cloud – Mobile Applications.

Unit IV　　　　　　　**E – GOVERNANCE IN INDIA**　　　　　**7 Hrs (4L + 2P)**

E-Governance initiative by the Government – Digital India Platform – Agencies enabling Digital India - Electronic Payment and Receipt – Digital Locker – e-district service – electronic signature service – Digital AIIMS – India BPO Scheme – Integrated Nutrient Managment – GIS – Mobile Seva App Store- GARV- Grameen Vidyutikaran

Unit V　　　　　　　　**E – LEARNING AND MOOC**　　　　　**5 Hrs (L)**

E – Learning – Digital Library – E- Journals – Introduction to MOOC – Edex – Course era etc - SWAYAM – NPTEL – Cyber Security – Virus – Malware – Network Security - Hacking – Big Data – Data Analytics – Social Networks – Social Media Analytics- Introduction to IT Act.

* **10 Hours Practical Sessions are to be allotted for Computer & Mobile Applications**

Suggested List of Exercises:

1. Setting up of computers – Connecting I/O device, UPS, CPU, Printers, Mouse, Key Boards, Pen Drives, etc. (Mandatory)
2. Minor fault findings.
3. Preparing a word Document and saving, copying files, deleting files, renaming files, etc. (Mandatory)
4. Preparing slides – Animation – Slide Transition – Back Ground Changing – Word Art , etc. (Mandatory)
5. Preparing Mark Sheet with Excel - Calculating First Class, second class, etc. (Mandatory)
6. Browsing – Searching for documents – e-mail id creation - Useful mobile apps – downloading. (Mandatory)
7. Data/Wi-Fi Connectivity and Exchanging of Data.
8. Electronic Payment – Online Application Processing
9. Browsing for NPTEL/ SWAYAM Courses
10. Browsing the useful e-learning sites

Learning Outcomes:

At the end of the course the students will be able to:

1. apply the computing technology in their day to day life

2. create awareness regarding digital India initiatives to their surroundings

3. identify the areas where he can extend the digital computing for their benefits.

Text Book:

1. E- Materials of Manonmaniam Sundaranar University on "Computer for Digital Era", http://msuniv.ac.in

References:

1. Andrew S. Tanenbaum, Computer Networks, 4th Edition, Eastern Economy Edition, PHI Private Ltd, New Delhi, 2003.

2. Gautam Shroff, Enterprise Cloud Computing, Technology, Architecture, Applications, Cambridge University Press, First Edition, 2010.

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MANONMANIAM SUNDARANAR UNIVERSITY

TIRUNELVELI -12

COMMON SKILL BASED SUBJECT FOR U.G. PROGRAMME

Personality Development

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References :

1. Dr.S. Narayana Rajan, Dr. B. Rajasekaran, G. Venkadasalapthi, V. Vijuresh Nayaham and Herald M.Dhas, **Personality Development**, Publication Division, Manonmaniam Sundaranar University, Tirunelveli
2. Stephan P.Robbins, **Organisational Behaviour**, Tenth Edition, Prentice Hall of India Private Limited, New Delhi,2008
3. Jit S. Chandan, **Oragnisational Behaviour**, Third Edition, Vikas Publishing House Private Limited, 2008
4. Dr.K.K. Ramachandran and Dr.K.K. Karthick, **From Campus to Corporate**, Macmillan Publishers India Limited, New Delhi,2010.

MANONMANIAM SUNDARANAR UNIVERSITY,
TIRUNELVELI - 627012.

VISION OF THE UNIVERSITY
To provide quality education to reach the un-reached

MISSION OF THE UNIVERSITY
➢ To conduct research, teaching and out reachprogrammes to improve conditions of human living
➢ To create an academic environment that honours women and men of all races, caste, creed, cultures, and an atmosphere that values intellectual curiosity, pursuit of knowledge, academic freedom and integrity
➢ To offer a wide variety of Off-campus educational and training programs, includingthe use of information technology to individuals and groups
➢ To develop partnership with industries and government so as to improve the quality of the workplace and to serve as catalyst for economic and cultural development
➢ To provide quality/ inclusive education, especially for the rural and un-reached segments of economically downtrodden students including women,s11ocially oppressed and differently abled

CHOICE BASED CREDIT SYSTEM

BACHELOR OF BUSINESS ADMINISTRATION
(With effect from the Academic Year 2022-2023 onwards)
A bachelor degree programme in Business Administration to provide courses which enable students to pursue professional careers. The Programme aims to prepare the students for positions in management of complex and diversified organizations by providing them with a broad, fundamental and specialized education, thereby enabling them to perform successfully, ethically, and professionally in a rapidly changing, interdependent, competitive business globe.

Departmental Vision:
To help students achieve pinnacle of success and groom them to become successful management professionals and entrepreneurs through imparting continuous learning and attitude development.

Departmental Mission:
To impart quality education in diverse management domain, reinforce business ethics and social values among students, fine tune the students to be dynamic to the changing world and provide the platform to have smooth take-off to the corporate world.

Bachelor of Business Administration is one of the most popular bachelor degree program after class XII. The BBA course is the gateway to numerous job opportunities in a plethora of sectors like Marketing, Education, Finance, Sales, and Government. The 3-year undergraduate course in Business Administration is open to students

from all the three streams of education namely Commerce, Arts and Science. The BBA course offers knowledge and training in management and leadership skills to prepare them for managerial roles and entrepreneurship. During the tenure of the course, candidates learn various aspects of business administration and management through class room lectures, Games, Seminars and practical projects. The overall objectives of this academic Bachelor's program is to develop the students' intellectual capacity, executive personality, and managerial skills in a way that enables them assume entry-level managerial positions in business and industry, public sector organizations, consultancy companies and other organizations. Graduates of the program may also choose to start their own entrepreneurial business ventures

ELIGIBILITY FOR Any candidate who has passed the Plus Two of the Higher Secondary Board of Tamilnadu or that of any other university or Board of Examinations in any state recognized as equivalent to the Plus Two of the Higher Secondary Board in Tamilnadu.

DURATION OF THE COURSE The duration of the course shall be three academic years comprising **six semesters** into with two semesters for each academic year. There shall be at least 90 working days in a semester and a minimum 450 hours of instructions in a semester.

REGISTRATION Each student shall register for the courses in the prescribed registration form in consultation with the Faculty Advisor within two weeks from the commencement of each semester.

Revised Programme Structure
(With effect from September 2022)

Sem (1)	Part I/ II/III/IV (2)	Subject number (3)	Subject Status(4)	Subject Title (5)	L	T	P	T	C	Maximum Marks		
										Internal	External	Total
I	I	1	Language	Tamil/other language				6	4	25	75	100
	II	2	Language	Communicative English -I				6	4	25	75	100
	III	3	Core-1	Professional English for Commerce and Management-I	3	0	2	5	4	25	75	100
	III	4	Core-2	Principles of Management	3	2	0	5	4	25	75	100
	III	5	Allied -1	Business Statistics	2	2	2	6	3	25	75	100
	IV	6	Common	Environmental Studies	2	0	0	2	2	25	75	100
	Sub Total							30	21			
II	I	7	Language	Tamil / Other language				6	4	25	75	100
	II	8	Language	Communicative English -II				6	4	25	75	100
	III	9	Core-3	Professional English for Commerce and Management-II	3	0	2	5	4	25	75	100
	III	10	Core-4	Managerial Economics	3	2	0	5	4	25	75	100
	III	11	Allied-2	Business Mathematics	2	2	2	6	3	25	75	100
	IV	12	Common	Value Based Education / Mana VazharKalai	2	0	0	2	2	25	75	100
	Sub Total							30	21			
III	I	13	Language	Tamil / Other language				6	4	25	75	100
	II	14	Language	Communicative English -III				6	4	25	75	100

					L	T	P	T	C			
	III	15	Core-5	Financial Accounting	4	0	0	4	4	25	75	100
	III	16	Core-6	Organizational Behaviour	4	0	0	4	4	25	75	100
	III	17	Allied-3	Business Law	2	2	0	4	3	25	75	100
	IV	18	Skill based Practical -I	Computer Applications in Business-I	0	0	4	4	2	50	50	100
	V	19	Non-Major Elective-I	Advertising	2	0	0	2	2	25	75	100
		20	Common	Yoga	2	0	0	2	2	50	50	100
	Sub Total							30+2	25			
IV	I	21	Language	Tamil / Other language				6	4	25	75	100
	II	22	Language	Communicative English -IV				6	4	25	75	100
	III	23	Core-7	Cost Accounting	4	0	0	4	4	25	75	100
	III	24	Core-8	Marketing Management	4	0	0	4	4	25	75	100
	III	25	Allied-4	Human Resource Management	2	2	0	4	3	25	75	100
	IV	26	Skill based Practical -II	Computer Applications in Business-II	0	0	4	4	2	50	50	100
	IV	27	Non-Major Elective-II	Consumer behavior	2	0	0	2	2	25	75	100
		28	Common	Computer for Digital Era	2	0	0	2	2	50	50	100
	V	29	Extension Activity	NSS/NCC/YRC/Physical Education	-	-	-	-	1	-	100	100
	Sub Total							30+2	26			
V	III	30	Core-9	Management Accounting	4	0	0	4	4	25	75	100
	III	31	Core-10	Research methodology	4	0	0	4	4	25	75	100
	III	32	Core-11	Production and Operations management	4	0	0	4	4	25	75	100
	III	33	Core-12	Banking and Insurance	4	0	0	4	4	25	75	100
	III	34	Major Elective -I	Retail Management/ Services Marketing	4	0	0	4	4	25	75	100
	IV	35	Major elective-I1 (Practical)	Effective Employability Skills-I	0	0	4	4	2	50	50	100
	IV	36	Skill based Subject Common	Personality Development	2	0	0	2	2	25	75	100
	III	37		Field Study	0	0	4	4	2	50	50	100
	Sub Total				22	0	8	30	26			
VI	III	38	Core-13	Financial management	4	0	0	4	4	25	75	100
	III	39	Core-14	Strategic Management	4	0	0	4	4	25	75	100
	III	40	Core-15	Entrepreneurship Development	4	0	0	4	4	25	75	100
	III	41	Major Elective-III	Training and Development/ Financial Services	4	0	0	4	4	25	75	100
	IV	42	Major elective-IV(Practical)	Effective Employability Skills- II	0	0	4	4	2	50	50	100
	III	43		Major Project	0	0	10	10	5	50	50	100
	Sub Total				16	0	14	10	23			

L-Lecture Hours T-Tutorial Hours P-PracticalHours T- Total hours / week C- Credit
Allocationofquestionsforproblemorientedsubjects:40%theoryand60%problems

(For all UG / Integ. P G Courses)
Semester - III
(For those who joined the course from the Academic year 2016-2017)

EXTENSION ACTIVITIES - YOGA

Course Credit: 2 (Two hours per week) - 50% theory and 50% practical

Assessment:

CIA	– 25 marks
Practical	– 25 marks
Theory Examination	– 50 marks (Objective type)

Total   - 100 marks

Objectives

The course aim at;

- Prevention of health problems and rehabilitation through Yoga
- Promoting positive health
- Promoting total personality development of students in Colleges and Universities
- Invoke positive attitude and spirit to channelize their energies in to creative and constructive endeavours.

Unit – I – Introduction to Human Body (3 hours)

Body Structure - Systems of Human Body – Body Function – Physical Health – Physical Fitness – meaning of wholesome development.

Unit – II – Yoga (3 hours)

Origin and development of Yoga - Meaning and importance of Yoga - Yoga as a Science - Principles of Yogic Practices, Yogic therapies and modern concept of Yoga – Balanced Diet.

Unit – III – Mental Health (3 hours)

Mind – Mental Health -Stages of Mind – Mental frequency – Mind training process – Methods of concentration – Brain and memory power.

Unit IV –Asanas and Kapalabhati (3 hours)

Importance of preparatory exercises - Meaning of Asana, its types, benefits and principles - Meaning of Kapalabhati, its types, benefits and principles.

Unit V – Pranayama and Meditation (3 hours)

Meaning of Pranayama, its types, benefits and principles - Meaning of Meditation, principles and its benefits

Practical (15 hours)

1. Simplified Exercises / Warm-up
2. Yogasana
   a. Standing - Tadasana, Vriksasana, pada hastasana, Ardha Cakrasana, Trikonasana
   b. Sitting - Bhadrasana, ardhaustrasana, sasankasana, vakrasana
   c. Prone - Bhujangasana, salabhasana, makarasana,
   d. Supine – Sethubandhasana, Pavanamutasana, savasana
3. Kapalabhati
4. Pranayama
5. Meditation and Relaxation.

References:

- Anatomy and Physiology of Yogic Practices - M.M Ghore, Kaivalyadhama, Lonavala, Pune. 4.
- Yoga for different ailments - series published by SVYASA, Bangalore and Bihar Yoga Bharati.
- Yoga therapy : by Swami Kuvalayanand, Kaivalaya dhama, Lonavala.
- Pranayama - B.K.S. Iyengar
- Asana, Pranayama, Mudra, Bandha - Swami Satyananda Saraswati, Bihar School of Yoga, Munger.
- Promotion of positive Health - published by SVYASA, Bangalore

Common Paper for UG and PG Integrated Programmes

COMPUTERS FOR DIGITAL ERA

L	T	P*	C
2	0	0	2

Syllabus (For all U.G Courses & Integrated P.G. Programmes) w.e.f 2017-18   (MANDATORY COURSE)

(For the IV Semester UG/ Integrated PG Students of Departments and Affiliated Colleges of Manonmaniam Sundaranar University with effect from the Academic Year 2017-18.)

Objectives:

1. To create the awareness about the digital India among the student community.

2. To make the student to understand the role of computer in the day to day living.

3. To create the awareness about the e-learning and security issues.

Unit I   FUNDAMENTALS OF COMPUTERS   5 Hrs (3L + 2P)

The role of computers in the modern society – Types of Computers and their specifications – Server – Desk Top Computers - Lap Top – Tablet – Smart Phones - Block diagram of Digital Computer –Working Principle of Computer, I/O Devices – Central Processing Unit – Types of Memory - Display – Port – UPS – Setting up and Maintenance of Computer.

Unit II   TYPES OF SOFTWARE AND OFFICE AUTOMATION   6 Hrs (3L + 3P)

Types of Software with examples – System Software – Application Software – Utility Software - Operating System – Basics on Windows – Introduction to Android –Application Software - Free Open source software – Database and its applications – Office Automation Software – applications of Microsoft Word – Microsoft Power Point – Microsoft Excel.

Unit III   INTERNET AND MOBILE APPLICATIONS   7 Hrs (4L + 3P)

Introduction to computer networks – LAN – WAN – MAN – Wired and wireless network – Wi Fi Networks - Network Devices – Modem – Switch – Router – Broad Band – Leased Lines- Internet – WWW – URL- Browser – e-mail – SMS – MMS - Client Server Computing - Cloud – Public and Private cloud – Mobile Applications.

Unit IV   E – GOVERNANCE IN INDIA   7 Hrs (4L + 2P)

E-Governance initiative by the Government – Digital India Platform – Agencies enabling Digital India - Electronic Payment and Receipt – Digital Locker – e-district service – electronic signature service – Digital AIIMS – India BPO Scheme – Integrated Nutrient Managment – GIS – Mobile Seva App Store- GARV- Grameen Vidyutikaran

Unit V   E – LEARNING AND MOOC   5 Hrs (L)

E – Learning – Digital Library – E- Journals – Introduction to MOOC – Edex – Course era etc - SWAYAM – NPTEL – Cyber Security – Virus – Malware – Network Security - Hacking – Big Data – Data Analytics – Social Networks – Social Media Analytics- Introduction to IT Act.

∗ **10 Hours Practical Sessions are to be allotted for Computer & Mobile Applications**

Suggested List of Exercises:

1. Setting up of computers – Connecting I/O device, UPS, CPU, Printers, Mouse, Key Boards, Pen Drives, etc. (Mandatory)
2. Minor fault findings.
3. Preparing a word Document and saving, copying files, deleting files, renaming files, etc. (Mandatory)
4. Preparing slides – Animation – Slide Transition – Back Ground Changing – Word Art , etc. (Mandatory)
5. Preparing Mark Sheet with Excel - Calculating First Class, second class, etc. (Mandatory)
6. Browsing – Searching for documents – e-mail id creation - Useful mobile apps – downloading. (Mandatory)
7. Data/Wi-Fi Connectivity and Exchanging of Data.
8. Electronic Payment – Online Application Processing
9. Browsing for NPTEL/ SWAYAM Courses
10. Browsing the useful e-learning sites

Learning Outcomes:

At the end of the course the students will be able to:

1. apply the computing technology in their day to day life

2. create awareness regarding digital India initiatives to their surroundings

3. identify the areas where he can extend the digital computing for their benefits.

Text Book:

1. E- Materials of Manonmaniam Sundaranar University on "Computer for Digital Era", http://msuniv.ac.in

References:

1. Andrew S. Tanenbaum, Computer Networks, 4th Edition, Eastern Economy Edition, PHI Private Ltd, New Delhi, 2003.

2. Gautam Shroff, Enterprise Cloud Computing, Technology, Architecture, Applications, Cambridge University Press, First Edition, 2010.

3. Reza B'Far, Mobile Computing Principles, Cambridge University Press, First Edition, 2005.

4. Charles P Pfleeger, Shari Lawrence Pfleeger, Security in Computing, I Edition, Pearson Education, 2003.

5. https://swayam.gov.in

6. http://www.digitalindia.gov.in/content/social-media-analytics

Scheme of Examination	
Internal – 25 Marks	**External – 75 Marks**
Internal Break Up - 15 for Continuous Assessment Test (CAT) + 5 for Assignment + 5 for Seminar. 3 CATs (Two tests on Theory and one on Practical)are to be conducted	

MANONMANIAM SUNDARANAR UNIVERSITY

TIRUNELVELI -12

COMMON SKILL BASED SUBJECT FOR U.G. PROGRAMME

Personality Development

UNIT -I

PERSONALITY - Definition – Determinants – Personality Traits –Theories of Personality – Importance of Personality Development. **SELF AWARENESS** – Meaning – Benefits of Self – Awareness – Developing Self – Awareness. **SWOT** – Meaning – Importance- Application – Components. **GOAL SETTING** Meaning- Importance – Effective goal setting – Principles of goal setting – Goal setting at the Right level.

UNIT – II

SELF MONITORING – Meaning – High self – monitor versus low self monitor – Advantages and Disadvantages self monitor- Self –monitoring and job performance. **PERCEPTION**- Definition- Factor influencing perception- Perception process –Errors in perception – Avoiding perceptual errors. **ATTITUDE** – Meaning- Formation of attitude – Types of attitude - Measurement of Attitudes – Barriers to attitude change – Methods to attitude change. **ASSERTIVENESS** - Meaning – Assertiveness in Communication – Assertiveness Techniques – Benefits of being Assertive – Improving Assertiveness.

UNIT – III

TEAM BUILDING – Meaning – Types of teams – Importance of Team building- Creating Effective Team. **LEADERSHIP** – Definition – Leadership style- Theories of leadership – Qualities of an Effect leader. **NEGOTIATION SKILLS** – Meaning – Principles of Negotiation – Types of Negotiation – The Negotiation Process – Common mistakes in Negotiation process. **CONFLICT MANAGEMENT** – Definition- Types of Conflict- Levels of Conflict – Conflict Resolution – Conflict management .

UNIT –IV

COMMUNICATION – Definition – Importance of communication – Process of communication - Communication Symbols – Communication network – Barriers in communication – Overcoming Communication Barriers. **TRANSACTIONAL ANALYSIS** – Meaning – EGO States – Types of Transactions – Johari Window- Life Positions. **EMOTIONAL INTELLIGENCE**- Meaning – Components of Emotional Intelligence- Significance of managing Emotional intelligence – How to develop Emotional Quotient. **STRESS MANAGEMENT** – Meaning – Sources of Stress – Symptoms of Stress – Consequences of Stress – Managing Stress

UNIT – V

SOCIAL GRACES – Meaning – Social Grace at Work – Acquiring Social Graces. **TABLE MANNERS** – Meaning – Table Etiquettes in Multicultural Environment- Do's and Don'ts of Table Etiquettes. **DRESS CODE** – Meaning- Dress Code for selected Occasions – Dress Code for an Interview. **GROUP DISCUSSION** – Meaning – Personality traits required for Group Discussion- Process of Group Discussion- Group Discusson Topics**. INTERVIEW** – Definition-Types of skills – Employer Expectations –Planning for the Interview – Interview Questions-Critical Interview Questions.

References :

1. Dr.S. Narayana Rajan, Dr. B. Rajasekaran, G. Venkadasalapthi, V. Vijuresh Nayaham and Herald M.Dhas, **Personality Development**, Publication Division, Manonmaniam Sundaranar University, Tirunelveli
2. Stephan P.Robbins, **Organisational Behaviour**, Tenth Edition, Prentice Hall of India Private Limited, New Delhi,2008
3. Jit S. Chandan, **Oragnisational Behaviour**, Third Edition, Vikas Publishing House Private Limited, 2008
4. Dr.K.K. Ramachandran and Dr.K.K. Karthick, **From Campus to Corporate**, Macmillan Publishers India Limited, New Delhi,2010.

MANONMANIAM SUNDARANAR UNIVERSITY, TIRUNELVELI
CHOICE BASED CREDIT SYSTEM
B.Com – AFFILIATED COLLEGES
(with effect from the academic year 2021-2022 onwards)

PREAMBLE

The B.Com programme is structured to equip students with knowledge, skills and attitude to meet the challenges of the modern day business world. By the end of the programme, students gain an in-depth knowledge on core subjects like Accounting, Banking, Law, Statistics, Finance, Logistics and Marketing. Professional courses like Chartered Accountant, Company Secretary, Cost and Management Accountant and Master of Business Administration can be pursued along with B.Com, because the courses are interrelated.

VISION

- To provide excellent and value based Commerce education.

MISSION

- To provide the students with a basic as well as in-depth knowledge of the various fields of commerce and give them awareness about the prevailing business environment.
- To enable them to seek higher education in commerce and professional courses like CA,ICWA,ACS,M.B.A. etc.,
- To train the students with required levels of competence for employment in both domestic and global market.

PROGRAMME OUTCOMES:

Students at the time of graduation will be able to

PO1: To gain thorough systematic and subject skills within various disciplines of finance, auditing and taxation, accounting, management, communication and computer.

PO2: To acquire practical knowledge to take up the task of accounting professionals.

PO3: To serve as a launch pad for professional programmes like CA, CMA and ACS.

PO4: To demonstrate progressive learning of various financial issues related to individuals and businessmen to setting up their own business start-up.

PO5: To do their higher education and can build their career as business professionals.

Manonmaniam Sundaranar University
Tirunelveli
Choice Based Credit System
Course Structure for B.Com – Affiliated Colleges
(With effect from the Academic Year 2021-2022 onwards)
I B.Com Semester - I

Semester	Part I/II/ III/ IV/V	Subject No.	Subject Status	Subject Title	Contact Hours Per week	Credit
I	I	1	Language	Tamil/other language	6	4
	II	2	Language	Communicative English – I	6	4
	III	3	Major Core 1	Financial Accounting – I	5	4
	III	4	Major Core 2	Business Organisation & Management	4	4
	III	5	Add on Major (compulsory)	Professional English for Commerce & Management – I	4	4
	III	6	Allied- I	Business Economics	3	3
	IV	7	Common	Environmental Studies	2	2
				Sub Total	30	25

I B.Com Semester - II

Semester	Part I/II/ III/ IV/V	Subject No.	Subject Status	Subject Title	Contact Hours Per week	Credit
II	I	8	Language	Tamil/other language	6	4
	II	9	Language	Communicative English – II	6	4
	III	10	Major Core 3	Financial Accounting – II	5	4
	III	11	Major Core 4	Principles of Insurance	4	4
	III	12	Add on Major (compulsory)	Professional English for Commerce & Management – II	4	4
	III	13	Allied- II	Marketing	3	3
	IV	14	Common	Value Based Education/Social Harmony	2	2
				Sub Total	30	25

ManonmaniamSundaranar University
Tirunelveli
Choice Based Credit System
Course Structure for B.Com – Affiliated Colleges
(With effect from the Academic Year 2021-2022 onwards)
II B.Com Semester - III

Semester	Part I/II/III/IV/V	Subject No.	Subject Status	Subject Title	Contact Hours Per week	Credit
III	III	15	Language	Tamil-III/Other Language	6	4
	III	16	Language	English-III	6	4
	III	17	Major Core 5	Advanced Financial Accounting	5	4
	III	18	Major Core 6	Banking Theory Law & Practice	4	4
	III	19	Allied- III	Computer Applications in Business	3	3
	IV	20	Non Major Elective I (Any one)	1. Introduction to Accountancy 2. Consumer Protection	2	2
	III	21	Skill Based I – Core	Business Communication	4	4
	IV	22	Common	Yoga	2	2
				Sub Total	30*	25*

* Excluding the hours and Credit for Yoga

II B.Com Semester - IV

Semester	Part I/II/III/IV/V	Subject No.	Subject Status	Subject Title	Contact Hours Per week	Credit
IV	III	23	Language	Tamil-IV/Other Language	6	4
	III	24	Language	English-IV	6	4
	III	25	Major Core 7	Quantitative Techniques	5	4
	III	26	Major Core 8	Logistic Management	4	4
	III	27	Allied- IV	Application of Tally in Accounting	3	3
	IV	28	Non Major Elective II (Any one)	1. Financial Accounting 2. Human Rights	2	2
	III	29	Skill Based II – Core	Entrepreneurship Development	4	4
	V	30	Extension Activity	NCC/NSS/YRC/YWF	-	1
	IV	31	Common	Computer for Digital Era	2	2
				Sub Total	30*	26*

*Excluding the hours and Credit for Computer for Digital Era

ManonmaniamSundaranar University
Tirunelveli
Choice Based Credit System
Course Structure for B.Com – Affiliated Colleges
(With effect from the Academic Year 2021-2022 onwards)
III B.Com Semester - V

Semester	Part I/II/ III/ IV/V	Subject No.	Subject Status	Subject Title	Contact Hours Per week	Credit
V	III	32	Core 9	Corporate Accounting	6	4
	III	33	Core 10	Cost Accounting	6	4
	III	34	Core 11	Business Law	6	4
	III	35	Core 12	Research Methodology	5	4
	III	36	Major Elective I (Any one)	1. Income Tax Law & Practice 2. Human Resource Management 3. Elements of E-Commerce	5	4
	IV	37	Skill Based III Common	Personality Development/Effective Communication/Youth Leadership	2	2
				Sub Total	30	22

III B.Com Semester - VI

Semester	Part I/II/ III/ IV/V	Subject No.	Subject Status	Subject Title	Contact Hours Per week	Credit
VI	III	38	Core 13	Special Accounts	5	4
	III	39	Core 14	Management Accounting	5	4
	III	40	Core 15	Industrial Law	5	4
	III	41	Core 16	Auditing and Corporate Governance	4	4
	III	42	Major Elective II (Any one)	1. Business Taxation 2. Retail Management 3. Human Values & Business Ethics	4	4
	III	43		Major Project	7	7
				Sub Total	30	27

For Problem Papers 40 % marks for theory and 60% marks for problems.
Proportion of marks between internal evaluation and external evaluation for subjects-25:75.
Internal – 20 marks for theory and 5 marks for assignment.
Total Credits – 150 (Excluding the hours and Credit for Yoga and Computer for Digital Era)

MANONMANIAM SUNDARANAR UNIVERSITY, TIRUNELVELI

SYLLABUS FOR ENVIRONMENTAL STUDIES FOR

UNDER GRADUATE COURSES -

PART IV- COMPULSORY PAPER

UNIT I: THE MULTIDISCIPLINARY NATURE OF ENVIRONMENTAL STUDIES

Definition, scope and importance
Natural resources and associated problems:

a) Forest resources: Use and over-exploitation, deforestation, timber extraction, dams and their effects on forests and tribal people.
b) Water resources: Use and over-utilization of surface and ground water, floods, drought, dams-benefits and problems, water conservation and watershed management.
c) Mineral resources: Use and exploitation, environmental effects.
d) Food resources: World food problems, changes, effects of modern agriculture, fertilizer-pesticide problems.
e) Energy resources: Growing energy needs, renewablesnd lnon renewable energy sources, alternate energy sources.
f) Land resources: Land as a resource, land degradation, man-induced landslides, soil erosion and desertification.

UNIT II: ECOSYSTEMS

a) Forest Ecosystem
b) Grassland Ecosystem
c) Desert ecosystem
d) Aquatic Ecosystem (Ponds, rivers, oceans, estuaries)
Energy flow in the ecosystem
Ecological succession
Food Chains, Food Webs and Ecological Pyramids.

UNIT III: BIODIVERSITY AND ITS CONSERVATION

Introduction Definition: Genetic, species and ecosystem diversity.
Biogeographical classification of Jndia
Values of Biodiversity
Biodiversity at global, national and local levels
India as a mega-diversity nation
Hot-Spots of biodiversity
Threats to biodiversity
Endangered and endemic species of India
Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity.

UNIT IV: ENVIRONMENTAL POLLUTION

Definition- Causes, effects and control measures of:-

a) Air Pollution
b) Water Pollution
c) Soil Pollution
d) Marine Pollution
e) Noise Pollution.
f) Thermal Pollution

Solid Waste Management
Disaster Management: Floods, earthquake, cyclone and landslides.

UNIT V: SOCIAL ISSUES AND THE ENVIRONMENT

Climatic change, global warming, acid rain, ozone depletion.
Wasteland reclamation
Consumerism and Waste products, use and through plastics
Environment Protection Act
Air (Prevention and Control of Pollution) Act
Water (Prevention and Control of Pollution) Act
Wildlife Protection Act
Forest Conservation Act
Population Explosion — Family Welfare Programme
Human Rights

REFERENCES:

1. G.S. Vijayalakshmi, A.G. Murugesan and N. Sukumaran. 2006. Basics of Environmental Science, Manonmaniam Sundaranar University Publications, Tirunelveli , pp.160.

2. Agarwal. K.C. 2001. Environmental Biology, Nidi Publications Limited, Bikaner.
3. A.K.De. 1999. Environmental Chemistry, Wiley Eastern Limited, India.
4. Jadhav,H. and Bhosale, V.M.1995. Environmental Protection and Laws, Himalaya Publishing House, Delhi. pp284.
5. Odum, E.P.1971. Fundamentals of Ecology, W.B.Saunders Co., USA. pp.574.

MANONMANIAM SUNDARANAR UNIVERSITY TIRUNELVELI

U.G. PART IV - COURSES – AFFILIATED COLLEGES

(Choice Based Credit System)

(For those who joined from 2021- 2022 onwards)

Value Based Education
II Semester

L	T	P	C
2			2

a. Course Code:

b. Course Objectives:

The course will enable the student to:

1. state the meaning of social justice, human rights, Globalization, mass media and new media
2. enumerate the rights of women, children, Dalits, minorities and physically challenged as per Indian constitution
3. comprehend the social realities and issues and challenges in globalization and inculcate an essential value system towards building a healthy society

c. Course Prerequisites:

a. positive attitude towards social justice and communal harmony
b. aspiration to create a better world
c. respect for Indian constitution, humanity, ethics and value

d. Course Outcome (COs):

After completing the course the students will be able to:

CO1: Identify the contribution of social reformers and factors that influence social justice

CO2: Compare and list the legal rights provided to women, children, Dalits, minorities and physically challenged as per human rights and Indian constitution

CO3: Stay as a responsible citizen and raise voice for any violence against women

CO4: analyze the prospects and challenges in mass media role of media in

CO5: assess the influence of new media on children and youth and use them to inculcate communal harmony and social justice

CO6: frame their own personal values based on social ethics to moderate the social issues and lead a secular society

f. Course Outline:

The course inculcates value and ethics in individual for being a responsible citizen and build a nation with social justice and communal harmony.

Unit I: Social Justice   Contact Hours: 7
Social Justice: definition – need – parameters – influencing factors – caste and gender – contributions of social reformers.

Unit II: Human Rights and Marginalized People   Contact Hours: 8
Human Rights: concept – principles – human rights and Indian constitution – Rights of Women and children – violence against women – Rights of marginalized people, women, children, dalits, minorities and physically challenged.

Unit III: Social Issues and Communal Harmony   Contact Hours: 8
Social issues: causes and magnitude – alcoholism, drug addiction, poverty, unemployment – Communal harmony: concept – religion and its place in public in public domain – separation of region from politics – secularism role of civil society.

Unit IV: Media Education and Globalized World Scenario   Contact Hours: 7
Mass media: functions, characteristics, need and purpose – effects and influence – youth and children – media power – socio cultural and political consequences – mass mediated culture – consumeristic culture – Globalization – New media: prospects and challenges

Unit V: Values and Ethics   Contact Hours: 6
Personal values – family values – social values – cultural values – Professional values – and overall ethics – duties and responsibilities

Mapping of COs to POs and PSOs

	Course Outcome	PO Addressed	Correlation Level	PSO Addressed	Correlation Level	Cognitive Level
CO1		PO1 to PO8	L/M/H	PSO1 to PSO8	L/ M/ H	K_1 to K_6
CO2						
CO3						
CO4						
CO5						
CO6						

(L – Low, M – Medium, H – High; K_1 – Remember, K_2 – Understand, K_3 – Apply, K_4 – Analyze, K_5 – Evaluate, K_6 – Create)

Reference Books:

1. Francis, K. (1993). *Education reform for social justice (Vol. 2).* Discovery publishing house
2. Satvinder Juss. (2020). *Human rights in India*. Routledge
3. Smarak Swain, S. (2011). *Social issues of India*. New Vishal publications
4. Chakraborty, S. K., Chakraborty, D. (2006). *Human Values and Ethics*. ICFAI University Press
5. David Buckingham. (2013). *Media Education: Literacy, Learning & Contemporary culture*. Wiley Publishers.

MANONMANIAM SUNDARANAR UNIVERSITY

TIRUNELVELI 627012, TAMIL NADU

MANDATORY COURSE (2 Credits)
FOR All UG PROGRAMMES

SYOG3A - YOGA

(From the academic year 2018-19)

Contents

Unit – I – Introduction to Human Body

> Body Structure
>
> Systems of Human Body
>
> Body Function
>
> Physical Health
>
> Physical Fitness
>
> Meaning of Wholesome development

Unit – II – Yoga

> Origin and development of Yoga
>
> Meaning and importance of Yoga
>
> Yoga as a Science
>
> Principles of Yogic Practices,
>
> Yogic therapies and modern concept of Yoga
>
> Balanced Diet

Unit – III – Mental Health

> Mind
>
> Mental Health
>
> Stages of Mind
>
> Mental frequency
>
> Mind training process
>
> Methods of concentration
>
> Brain and memory power

Unit IV –Asanas and Kapalabhati

> Importance of preparatory exercises
>
> Meaning of Asana, its types, benefits and principles
>
> Meaning of Kapalabhati, its types, benefits and principles

Unit V – Pranayama and Meditation

> Meaning of Pranayama, its types, benefits and principles
>
> Meaning of Meditation, principles and its benefits

Practical

1. Simplified Exercises / Warm-up
2. Yogasana
   a. Standing - Tadasana, Vriksasana, pada hastasana, Ardha Cakrasana, Trikonasana
   b. Sitting - Bhadrasana, ardhaustrasana, sasankasana, vakrasana
   c. Prone - Bhujangasana, salabhasana, makarasana,
   d. Supine – Sethubandhasana, Pavanamutasana, savasana
3. Kapalabhati
4. Pranayama
5. Meditation and Relaxation.

COMPUTERS FOR DIGITAL ERA

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Syllabus (For all U.G Courses & Integrated P.G. Programmes) w.e.f 2017-18   (MANDATORY COURSE)

(For the IV Semester UG/ Integrated PG Students of Departments and Affiliated Colleges of Manonmaniam Sundaranar University with effect from the Academic Year 2017-18.)

Objectives:

1. To create the awareness about the digital India among the student community.

2. To make the student to understand the role of computer in the day to day living.

3. To create the awareness about the e-learning and security issues.

Unit I   **FUNDAMENTALS OF COMPUTERS**   **5 Hrs (3L + 2P)**

The role of computers in the modern society – Types of Computers and their specifications – Server – Desk Top Computers - Lap Top – Tablet – Smart Phones - Block diagram of Digital Computer –Working Principle of Computer, I/O Devices – Central Processing Unit – Types of Memory - Display – Port – UPS – Setting up and Maintenance of Computer.

Unit II   **TYPES OF SOFTWARE AND OFFICE AUTOMATION**   **6 Hrs (3L + 3P)**

Types of Software with examples – System Software – Application Software – Utility Software - Operating System – Basics on Windows – Introduction to Android –Application Software - Free Open source software – Database and its applications – Office Automation Software – applications of Microsoft Word – Microsoft Power Point – Microsoft Excel.

Unit III   **INTERNET AND MOBILE APPLICATIONS**   **7 Hrs (4L + 3P)**

Introduction to computer networks – LAN – WAN – MAN – Wired and wireless network – Wi Fi Networks - Network Devices – Modem – Switch – Router – Broad Band – Leased Lines- Internet – WWW – URL- Browser – e-mail – SMS – MMS - Client Server Computing - Cloud – Public and Private cloud – Mobile Applications.

Unit IV   **E – GOVERNANCE IN INDIA**   **7 Hrs (4L + 2P)**

E-Governance initiative by the Government – Digital India Platform – Agencies enabling Digital India - Electronic Payment and Receipt – Digital Locker – e-district service – electronic signature service – Digital AIIMS – India BPO Scheme – Integrated Nutrient Managment – GIS – Mobile Seva App Store- GARV- Grameen Vidyutikaran

Unit V   **E – LEARNING AND MOOC**   **5 Hrs (L)**

E – Learning – Digital Library – E- Journals – Introduction to MOOC – Edex – Course era etc - SWAYAM – NPTEL – Cyber Security – Virus – Malware – Network Security - Hacking – Big Data – Data Analytics – Social Networks – Social Media Analytics- Introduction to IT Act.

    ∗ **10 Hours Practical Sessions are to be allotted for Computer & Mobile Applications**

Suggested List of Exercises:

1. Setting up of computers – Connecting I/O device, UPS, CPU, Printers, Mouse, Key Boards, Pen Drives, etc. (Mandatory)
2. Minor fault findings.
3. Preparing a word Document and saving, copying files, deleting files, renaming files, etc. (Mandatory)
4. Preparing slides – Animation – Slide Transition – Back Ground Changing – Word Art , etc. (Mandatory)
5. Preparing Mark Sheet with Excel - Calculating First Class, second class, etc. (Mandatory)
6. Browsing – Searching for documents – e-mail id creation - Useful mobile apps – downloading. (Mandatory)
7. Data/Wi-Fi Connectivity and Exchanging of Data.
8. Electronic Payment – Online Application Processing
9. Browsing for NPTEL/ SWAYAM Courses
10. Browsing the useful e-learning sites

Learning Outcomes:

At the end of the course the students will be able to:

    1. apply the computing technology in their day to day life

    2. create awareness regarding digital India initiatives to their surroundings

    3. identify the areas where he can extend the digital computing for their benefits.

Text Book:

1. E- Materials of Manonmaniam Sundaranar University on "Computer for Digital Era", http://msuniv.ac.in

References:

1. Andrew S. Tanenbaum, Computer Networks, 4th Edition, Eastern Economy Edition, PHI Private Ltd, New Delhi, 2003.

2. Gautam Shroff, Enterprise Cloud Computing, Technology, Architecture, Applications, Cambridge University Press, First Edition, 2010.

3. Reza B'Far, Mobile Computing Principles, Cambridge University Press, First Edition, 2005.

4. Charles P Pfleeger, Shari Lawrence Pfleeger, Security in Computing, I Edition, Pearson Education, 2003.

5. https://swayam.gov.in

6. http://www.digitalindia.gov.in/content/social-media-analytics

Scheme of Examination	
Internal – 25 Marks	**External – 75 Marks**
Internal Break Up - 15 for Continuous Assessment Test (CAT) + 5 for Assignment + 5 for Seminar. 3 CATs (Two tests on Theory and one on Practical)are to be conducted	

MANONMANIAM SUNDARANAR UNIVERSITY

TIRUNELVELI -12

COMMON SKILL BASED SUBJECT FOR U.G. PROGRAMME

Personality Development

UNIT -I

PERSONALITY - Definition – Determinants – Personality Traits –Theories of Personality – Importance of Personality Development. **SELF AWARENESS** – Meaning – Benefits of Self – Awareness – Developing Self – Awareness. **SWOT** – Meaning – Importance- Application – Components. **GOAL SETTING** Meaning- Importance – Effective goal setting – Principles of goal setting – Goal setting at the Right level.

UNIT – II

SELF MONITORING – Meaning – High self – monitor versus low self monitor – Advantages and Disadvantages self monitor- Self –monitoring and job performance. **PERCEPTION**- Definition- Factor influencing perception- Perception process –Errors in perception – Avoiding perceptual errors. **ATTITUDE** – Meaning- Formation of attitude – Types of attitude - Measurement of Attitudes – Barriers to attitude change – Methods to attitude change. **ASSERTIVENESS** - Meaning – Assertiveness in Communication – Assertiveness Techniques – Benefits of being Assertive – Improving Assertiveness.

UNIT – III

TEAM BUILDING – Meaning – Types of teams – Importance of Team building- Creating Effective Team. **LEADERSHIP** – Definition – Leadership style- Theories of leadership – Qualities of an Effect leader. **NEGOTIATION SKILLS** – Meaning – Principles of Negotiation – Types of Negotiation – The Negotiation Process – Common mistakes in Negotiation process. **CONFLICT MANAGEMENT** – Definition- Types of Conflict- Levels of Conflict – Conflict Resolution – Conflict management .

UNIT –IV

COMMUNICATION – Definition – Importance of communication – Process of communication - Communication Symbols – Communication network – Barriers in communication – Overcoming Communication Barriers. **TRANSACTIONAL ANALYSIS** – Meaning – EGO States – Types of Transactions – Johari Window- Life Positions. **EMOTIONAL INTELLIGENCE**- Meaning – Components of Emotional Intelligence- Significance of managing Emotional intelligence – How to develop Emotional Quotient. **STRESS MANAGEMENT** – Meaning – Sources of Stress – Symptoms of Stress – Consequences of Stress – Managing Stress

UNIT – V

SOCIAL GRACES – Meaning – Social Grace at Work – Acquiring Social Graces. **TABLE MANNERS** – Meaning – Table Etiquettes in Multicultural Environment- Do's and Don'ts of Table Etiquettes. **DRESS CODE** – Meaning- Dress Code for selected Occasions – Dress Code for an Interview. **GROUP DISCUSSION** – Meaning – Personality traits required for Group Discussion- Process of Group Discussion- Group Discusson Topics**. INTERVIEW** – Definition-Types of skills – Employer Expectations –Planning for the Interview – Interview Questions-Critical Interview Questions.

References :

1. Dr.S. Narayana Rajan, Dr. B. Rajasekaran, G. Venkadasalapthi, V. Vijuresh Nayaham and Herald M.Dhas, **Personality Development**, Publication Division, Manonmaniam Sundaranar University, Tirunelveli
2. Stephan P.Robbins, **Organisational Behaviour**, Tenth Edition, Prentice Hall of India Private Limited, New Delhi,2008
3. Jit S. Chandan, **Oragnisational Behaviour**, Third Edition, Vikas Publishing House Private Limited, 2008
4. Dr.K.K. Ramachandran and Dr.K.K. Karthick, **From Campus to Corporate**, Macmillan Publishers India Limited, New Delhi,2010.