

THIRUVALLUVAR UNIVERSITY

BACHELOR OF ARTS

DEGREE COURSE

B.A. DEFENCE AND STRATEGIC STUDIES

UNDER CBCS

[with effect from 2008-2009]

The Course of Study and the Scheme of Examinations

Year / Semester	Part	Subject	Paper	Title of the Paper	Ins. Hrs/ Week	Credit	Exam Hrs	Max. Marks		
								IA	Uni. Exam.	Total
I year I Semester	I	Language	Paper I		6	3	3	25	75	100
	II	English	Paper I		6	3	3	25	75	100
	III	Core	Paper I	Fundamentals of War and Peace	6	4	3	25	75	100
	III	Core	Paper II	Military System of India up to the 15 th Century	5	4	3	25	75	100
	III	Allied	Paper I	Outlines of Political Theory I	5	5	3	25	75	100
	IV			Environmental Studies	2	2	3	25	75	100
I Year II Semester	I	Language	Paper II		6	3	3	25	75	100
	II	English	Paper II		6	3	3	25	75	100
	III	Core	Paper III	Art of Warfare of India since the 16 th Century	6	4	3	25	75	100
	III	Core	Paper IV	Defence Mechanism of India	5	4	3	25	75	100
	III	Allied	Paper II	Outlines of Political Theory II	5	5	3	25	75	100
	IV			Value Education	2	2	2	-	50	50
II Year III Semester	I	Language	Paper III		6	3	3	25	75	100
	II	English	Paper III		6	3	3	25	75	100
	III	Core	Paper V	Elements of National Security of India	4	4	3	25	75	100
	III	Core	Paper VI	Evolution of warfare	4	4	3	25	75	100
	III	Allied	Paper III	General Economics I	5	5	3	25	75	100
	IV	Skill based Subject I	Paper I	Personality Development	3	3	3	25	75	100
		Non-Major Elective I	Paper I	Mass Media Journalism	2	2	3	25	75	100

B.A. Defence and Strategic Studies : Syllabus (CBCS)

Year / Semester	Part	Subject	Paper	Title of the Paper	Ins. Hrs/ Week	Credit	Exam Hrs	Max. Marks		
								IA	Uni. Exam.	Total
II Year IV Semester	I	Language	Paper IV		6	3	3	25	75	100
	II	English	Paper IV		6	3	3	25	75	100
	III	Core	Paper VII	International Relations and Organizations	4	4	3	25	75	100
	III	Core	Paper VIII	Armed forces and Society	4	4	3	25	75	100
	III	Allied	Paper IV	General Economics II	5	5	3	25	75	100
	IV	Skill based Subject II	Paper II	Warfare and Technology	3	3	3	25	75	100
		Non-Major Elective II	Paper II	International Law	2	2	3	25	75	100
III Year V Semester	III	Core	Paper IX	Military Conflicts since World War II	6	4	3	25	75	100
	III	Core	Paper X	Strategic Thought	6	4	3	25	75	100
	III	Core	Paper XI	Nuclear Warfare	5	4	3	25	75	100
	III	Core	Paper XII	Defence Economics	5	4	3	25	75	100
		Elective I	Paper I	Military Operations in Independent India	5	5	3	25	75	100
	IV	Skill based Subject III	Paper III	Public Administration	3	3	3	25	75	100
III Year VI Semester	III	Core	Paper XIII	India and her Neighbors	5	4	3	25	75	100
	III	Core	Paper XIV	Contemporary International Issues	5	4	3	25	75	100
	III	Core	Paper XV	Arms Control and Disarmament	5	4	3	25	75	100
		Elective II	Paper II	World Military History up to World War II	6	5	3	25	75	100
		Elective III	Paper III	Defence Management	6	5	3	25	75	100
	IV	Skill based Subject IV	Paper IV	Elementary study of the Constitution of India	3	3	3	25	75	100
	V	Extension Activities				1	-	-	-	50
				Total	180	140				3600

THIRUVALLUVAR UNIVERSITY

B.A. DEFENCE AND STRATEGIC STUDIES

SYLLABUS

UNDER CBCS

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I SEMESTER

PAPER I

FUNDAMENTALS OF WAR AND PEACE

Objective

The history of mankind is highlighted by incidents of war and peace. It is therefore necessary to have an understanding of these concepts for better understanding and clarity.

UNIT - 1 : Conceptual Formulation

Meaning and definition of Defence and Strategic Studies - Its relevance and significance.

Subject content of Defence and Strategic Studies - Its features and relationship with other disciplines of study.

Definition and meanings of basic concepts - War, Campaign, Battle, Strategy, Tactics, Security, and Defence.

UNIT - II : History of Warfare

Historical evolution of warfare - features of warfare at various historical stages - Its contemporary features.

Causes of warfare.

Principles of war.

UNIT - III : Typology of Warfare

Conventional and unconventional wars - civil war, nationalist war, guerilla war, insurgency, limited war, total war.

ABC warfare - Atomic, Biological and chemical warfare.

High-tech warfare., Electronic Warfare, Cyber war.

UNIT - IV

Concept of Peace – Meaning and definition, Typology of Peace.

Peace Building, Peace Making, and Peace Research.

Peace Movements.

Zones of Peace and Nuclear free Zones.

UNIT - V

Mechanics of Peace.

Role and Scope of International organization in Peace Making (UNO).

Settlement of International Disputes (Amicable)

International Court of Justice.

Reference Books

- 1.Cohen, E.H.H. : Indian Army_ A Sketch of its History and Organization.
2. Ministry of Defence : Indian Armed Forces Year Book.
- 3.Venkateswaran : Defence Organization of India.
4. C.K. Palit : Essentials of Military Knowledge.
5. Peace Encyclopedia by SIPRI and by UNO.

PAPER II

MILITARY SYSTEM OF INDIA UP TO THE 15TH CENTURY

Objective

This paper attempts to familiarize the students with the evolution of art of warfare in India. It is to establish that the art of warfare changes with change in political governance, nature of threat, and weapon systems.

UNIT - I : Warfare in Ancient India

Types of war during Vedic Period.

Alexander's invasion of India (battle of Hyde pass)

Causes of India's defeat

UNIT - II : Military System of the Mauryan Period

Battle of Kalinga and its significance.

Military organization of Maurayas

Kautilya's philosophy on war, peace, fort, espionage

UNIT - III : Military System of the Gupta Period

Introduction of Gupta rulers

The Guptan Military organization

Military organization of Harshavardhana

UNIT - IV : Rajput Military System

Rajput challenge to Arab conquest (battle of Rawar)

Md. Ghori's conquest of India (battle of Terrain I and II)

Causes of Rajput failures in the middle ages.

UNIT - V : Military System in South India

Political powers of South India in the medieval period.

Military organization of the Pallava rulers.

Military Achievements of the Chola emperors.

Reference Books

1. S.T.Das : Indian Military- Its History and Development.
2. Sarkar J. N. : Military history of India.
3. Subramanian T.G. : Famous Battles of Indian History.
4. Decisive Battles of India : Col. Malleson.
5. Subramaniam : History of Tamilnadu.

ALLIED I

PAPER I

OUTLINES OF POLITICAL THEORY I

Objectives

This paper tries to

1. Give an introduction to the discipline of Political Science;
2. Sketch various forms of States;
3. Point out the origin of States;
4. Point out the importance of Law, Equality and Liberty;
5. Examine the spheres of State activity

UNIT-I : Introduction

1. Nature, Scope and Importance of Political Science
2. Evolution of Political Science
3. Methodology of Political Science
4. Political Science and Social Sciences
5. Art and Science of Political Science.

UNIT-II : State

1. Elements of the State
2. Sovereignty
3. Nation-States
4. Democratic States
5. Non-Democratic States

UNIT-III : Origin of the State:

1. Divine Right Theory
2. Force Theory
3. Patriarchal Theory
4. Matriarchal Theory
5. Evolutionary Theory
6. Social Contract Theory.

UNIT-IV : Law

1. Nature of law
2. Sources of law
3. Kinds Of law
4. Law and Morality

UNIT-V : Liberty and Equality

1. Meaning of Liberty
2. Safeguard of Liberty
3. Law and Liberty
4. Meaning and types of Equality
5. Equality in Modern States
6. Equality and Liberty
7. Sphere of State Action (Economic, Social and Cultural)

Reference Books

1. Amal Roy and Mohit Bhattacharya : *Political Theory: Ideas and Institutions*, The World Press, Calcutta, 2002.
2. J.C.Johari : *Principles of Modern Political Science*, Sterling, New Delhi, 1999.
3. A.C.Kapoor : *Principles Of Political Science*, S.Chand & Co., New Delhi, 2000.

ENVIRONMENTAL STUDIES

(For all UG Degree Courses)

UNIT-I: INTRODUCTION TO ENVIRONMENTAL SCIENCES: NATURAL RESOURCES :

Environmental Sciences - Relevance - Significance - Public awareness - Forest resources - Water resources - Mineral resources - Food resources - conflicts over resource sharing - Exploitation - Land use pattern - Environmental impact - fertilizer - Pesticide Problems - case studies.

UNIT-II: ECOSYSTEM, BIODIVERSITY AND ITS CONSERVATION:

Ecosystem - concept - structure and function - producers, consumers and decomposers - Food chain - Food web - Ecological pyramids - Energy flow - Forest, Grassland, desert and aquatic ecosystem.

Biodiversity - Definition - genetic, species and ecosystem diversity - Values and uses of biodiversity - biodiversity at global, national (India) and local levels - Hotspots, threats to biodiversity - conservation of biodiversity - Insitu & Exsitu.

UNIT-III: ENVIRONMENTAL POLLUTION AND MANAGEMENT

Environmental Pollution - Causes - Effects and control measures of Air, Water, Marine, soil, solid waste, Thermal, Nuclear pollution and Disaster Management - Floods, Earth quake, Cyclone and Land slides. Role of individuals in prevention of pollution - pollution case studies.

UNIT-IV: SOCIAL ISSUES - HUMAN POPULATION

Urban issues - Energy - water conservation - Environmental Ethics - Global warming - Resettlement and Rehabilitation issues - Environmental legislations - Environmental production Act. 1986 - Air, Water, Wildlife and forest conservation Act - Population growth and Explosion - Human rights and Value Education - Environmental Health - HIV/AIDS - Role of IT in Environment and Human Health - Women and child welfare - Public awareness - Case studies.

UNIT-V: FIELD WORK

Visit to a local area / local polluted site / local simple ecosystem - Report submission

REFERENCES

1. KUMARASAMY, K., A.ALAGAPPA MOSES AND M.VASANTHY, 2004. ENVIRONMENTAL STUDIES, BHARATHIDSAN UNIVERSITY PUB, 1, TRICHY
2. RAJAMANNAR, 2004, ENVIRONEMNTAL STUDIES, EVR COLLEGE PUB, TRICHY
3. KALAVATHY,S. (ED.) 2004, ENVIRONMENTAL STUDIES, BISHOP HEBER COLLEGE PUB., TRICHY

**II SEMESTER
PAPER III
ART OF WARFARE IN INDIA SINCE THE 16TH CENTURY**

Objective

With the introduction of gun powder in the west, the art of warfare in India entered into professionalism with Mughals, Marathas and Sikhs. This Paper aims to offer a broader understanding of these aspects.

UNIT - I : Military Systems of the Mughals

- a. Foundation of the Mughal Empire (Battle of Panipat I)
- b. Consolidation of the Empire [Battle of Panipat II]
- c. The Mughal military organization, weapon system, art of war.

UNIT - II : The Maratha Military System

- a. The military organization of Shivaji.
- b. Development of guerilla warfare and its characteristics.
- c. The Maratha navy under Kanohiji Angre.

UNIT - III : The Sikh Military System

- a. Rise of Sikhism and its philosophy.
- b. Guru Govind Singh's Khalsa Panth.
- c. The Military organizations of the Sikhs under Maharaja Ranjit Singh.

UNIT - IV : The Advent of Europeans in India

- a. The early settlers of Europeans.
- b. Conquest of Bengal (Battle of Plassey)
- c. The rise of Presidency Armies.

UNIT - V : British Conquest of India

- a. The decline of the Marathas (Battle of Panipat II)
- b. The first war of Independence, the Great Mutiny 1857.
- c. The military reforms under the Crown.

Reference Books

1. T.M.Panikkar : A Survey of Indian History.
2. Erskin : Memoire of Babur.
3. S.N. Sen : Military Systems of the Maratha.
4. Fauja Singh Bajwa : Military Systems of the Sikhs.
5. Fortesque : History of British Army.

PAPER IV

DEFENCE MECHANISM OF INDIA

Objective

The Defence of a country is structured on certain organizational pattern and mechanism. It is therefore essential to have a basic knowledge of them in the context of India.

UNIT - I : The Indian Defence Forces

- a. Rank Structure of the three services.
- b. Recruitment methods for Defence services.
- c. Important training Institutions of three services.
- d. Second line of Defence (introduction of BSF, CG,CISF,RR).

UNIT - II : Higher Defence Organization of India

- a. Power of the President of India in relation of Defence.
- b. Role and function of Ministry of Defence.
- c. Composition and function of Defence Committees/NSS.
- d. Chief of staff and joint service Organization.

UNIT - III : Army Organization

- a. Organization of Army Headquarters (role of COAS and PSOs).
- b. Static and Field formation of Indian Army.
- c. Arms and Services.
- d. Weapons of Indian Army.

UNIT - IV : Air Force Organization

- a. Organization of Air Force Headquarters (role of CAS and PSOs).
- b. Static and Field formation of Indian Air force.
- c. Types of Aircrafts.

UNIT - V : Navy Organization

- a. Organization of Naval Headquarters (role of CNS & PSOs)
- b. Static and Field formation of Indian Navy.
- c. Types of warships.

Reference Books

1. A.L.Venkateswaran. : Defence Organization of India.
2. Joginder Singh : Inside Indian Police.
3. Nagender Singh : Defence Mechanisms of Modern State.
4. R. Singh : Aspects of Indian Defence.
5. Lt.Col. Abhyankar : Defence Principles and Organization.

ALLIED I

PAPER II

OUTLINES OF POLITICAL THEORY II

Objectives

This paper tries to

1. Sketch the features of democratic States
2. Outline the structure and function of the legislative
3. Outline the structure and function of the Executive
4. Outline the structure and function of the Judiciary
5. Describe the linkages in democratic State.

UNIT-I : Democratic State

1. Definitions of Democracy
2. Representative Democracy
3. Direct Democratic Devices
4. Theories of Representation
5. Elections

UNIT-II: Legislature

1. Functions of Legislature
2. Theories of Suffrage
3. Constituencies
4. Unicameral Legislature
5. Bicameral Legislature

UNIT-III: Executive

1. Parliamentary Executive
2. Presidential Executive
3. Collective Executive
4. Dictatorship
5. Military Governance
6. Executive Functions

UNIT- IV: Judiciary

1. Functions of the Judiciary
2. Independence of the Judiciary
3. Rule of Law
4. Administrative Law
5. Judicial Activism
6. Alternative Disputes Mechanism

UNIT-V: Political Participation

1. Political Parties
2. Public Opinion
3. Pressure Groups
4. Mass Media
5. Electronic Media

Reference Books

1. Amal Roy and Mohit Bhattacharya : *Political Theory: Ideas and Institutions*, The World Press, Calcutta, 2002.
2. J.C.Johari : *Modern Constitutions*, S.Chand & Co. New Delhi, 1990.

VALUE EDUCATION
(For all UG Degree Courses)

UNIT-I

Value Education - Definition - relevance to present day - Concept of Human Values - self introspection - Self esteem.

UNIT-II

Family values - Components, structure and responsibilities of family - Neutralization of anger - Adjustability - Threats of family life - Status of women in family and society - Caring for needy and elderly - Time allotment for sharing ideas and concerns.

UNIT-III

Ethical values - Professional ethics - Mass media ethics - Advertising ethics - Influence of ethics on family life - psychology of children and youth - Leadership qualities - Personality development.

UNIT-IV

Social values - Faith, service and secularism - Social sense and commitment - Students and Politics - Social awareness, Consumer awareness, Consumer rights and responsibilities - Redressal mechanisms.

UNIT-V

Effect of international affairs on values of life/ Issue of Globalization - Modern warfare - Terrorism. Environmental issues - mutual respect of different cultures, religions and their beliefs.

Reference Books

1. T. Anchukandam and J. Kuttainimathathil (Ed) Grow Free Live Free, Krisitu Jyoti Publications, Bangalore (1995)
2. Mani Jacob (Ed) Resource Book for Value Education, Institute for Value Education, New Delhi 2002.
3. DBNI, NCERT, SCERT, Dharma Bharti National Institute of Peace and Value Education, Secunderabad, 2002.
4. Daniel and Selvamony - Value Education Today, (Madras Christian College, Tambaram and ALACHE, New Delhi, 1990)
5. S. Ignacimuthu - Values for Life - Better Yourself Books, Mumbai, 1991.
6. M.M.M.Mascaronhas Centre for Research Education Science and Training for Family Life Promotion - Family Life Education, Bangalore, 1993.

WEBSITES AND e-LEARNING SOURCES:

www.rkmissiondhe.org/education.html/

www.clallam.org/lifestyle/education.html/

www.sun.com/./edu/progrmws/star.html/

www.infoscouts.com

www.secretofsuccess.com

www.1millionpapers.com

<http://militaryfinance.umuc.edu/education/edu-network.html/>

III SEMESTER

PAPER V

ELEMENTS OF NATIONAL SECURITY OF INDIA

Objective

The significance of National Security of any Nation State in due to its compulsive participating in the international system. This paper attempts to conceptualize these compulsion and offers a broader perspective of its understanding.

UNIT - I : Introduction

- a. Conception of the Nation, the State and the Nation State.
- b. Origin, Concept, and objectives of National Security.

UNIT - II : State System and its corollaries

- a. Territory.
- b. Nationalism.
- c. National Interest.

UNIT - III

Framing of Defence Policy - Military and non-military threats to India's Security.

UNIT - IV

Strategic Relations between India and the USA and the USSR.

UNIT - V

- a. India's Nuclear Policy and Potential.
- b. The Strategic environment of Indian Ocean.

Reference Books

1. K.Subramaniam : India's Security Perspectives.
2. P.S.Jayaramu : India's National Security & Foreign Policy.
3. Kouser J.Azam : India's Defence Policy for the 1990's.
4. Dannis Kurx : Estranged Democracies.
5. Edmond R. : Soviet Foreign Policy.

PAPER VI
EVOLUTION OF WARFARE

UNIT-I: Origin of war

- (a) Primitive period
- (b) Pre-historic period
- (c) Historic period

UNIT-II: Causes of war

- (a) Fundamental causes
- (b) Socio-economic causes
- (c) Politico-military causes

UNIT-III: Greek Art of warfare

- (a) Greek military systems
- (b) Battle of marathon 490 BC
- (c) Battle of Salamis is 480 BC

UNIT-IV: Roman Art of Warfare

- (a) Roman military system
- (b) Punic wars (Battle of Cannae 216 BC. : Battle of Zama 202 BC.)
- (c) Julies Caesar campaign

UNIT-V: Art of Warfare in middle ages

- (a) Rise of Islam
- (b) Crusades
- (c) Weapons & military systems.

ALLIED II

PAPER I

GENERAL ECONOMICS I

Objective :

To provide a frame work of knowledge relating to the concepts and practice of Economics in Indian context and to make the students understand the application of Economic principles in the strategic sector. Also, to provide insight on the most pressing issue “Demand for Defence Expenditure” i.e. the right size of defence budget.

UNIT - I

Economic Analysis - Basic Problems of an Economy - Economic Systems - Capitalism - Socialism - Mixed Economy - Communalism - Role of Government.

UNIT - II

Concept and Management of National Income - Problems of measurement - Trends in National Income under Plans.

UNIT - III

Market Mechanism - Law of Demand and Supply - Elasticity of Demand - Elasticity Measurement - Uses - Limitations.

UNIT - IV

Market Forms - Perfect Competition - Monopoly - Discriminative Monopoly - Monopolistic Competition - Wastes of Monopolistic Competition.

UNIT - V

Defence Economics - Economics of Conflict and Terrorism - Scope and Definition - Micro and Macro Economic impact - Disarmament and Peace.

SKILL BASED SUBJECT I

PAPER I

PERSONALITY DEVELOPMENT

UNIT-I:

- (a) Personality - meaning, traits & skills
- (b) Personality theories
- (c) Leadership - types, qualities, functions

UNIT-II:

- (a) Interpersonal skills - concept & features
- (b) Elements of interpersonal skills
- (c) "Team work" - features & scope

UNIT-III:

- (a) Leadership - Concept, types, function
- (b) Qualities of leadership
- (c) Types of Leadership

UNIT-IV:

- (a) Measurement of personality
- (b) Methods of management of personality
- (c) Scope and utility of personality measurement

UNIT-V:

- (a) Creativity - concept, features
- (b) Characteristics of creativity
- (c) Creative methods - evolution synthesis, revolution, reapplication, changing directives.

NON-MAJOR ELECTIVE I

PAPER I

MASS MEDIA AND JOURNALISM

Objectives

Mass Media and Journalism is an area of ever lasting importance in the contemporary world. In this paper the students are introduced into the basics of mass media and journalism. With the profound hope of providing them an opportunity to proceed further, after their graduation, into this sphere of activity.

UNIT - I : Introduction

- a. Journalism - Basic concepts , Meaning, relevance and scope.
- b. Mass Media - Definition, types and importance.
- c. History of the Press in India.

UNIT - II : News

- a. Purpose and meaning.
- b. Kinds and sources.
- c. Determinants of news.
- d. Styling of news.

UNIT - III : Reporters and Reporting

- a. Reporters - Types and Qualities.
- b. Reporting - Its Types: Interpretative, Investigative, Descriptive, political and Sports.
- c. Foreign correspondents and their role in news reporting.

UNIT - IV : Editing

- a. Role of Editors and Sub editors.
- b. Proof reading symbols, abbreviations and definitions of terms.
- c. Emergence of pictorial Journalism.

UNIT - V : Career Aspects of Journalism

- a. Structure of News Paper Organization
- b. Qualities and characteristics of a journalism
- c. Training institutions for journalists

Books for Reference

1. Bainik , G.C. PR & Media Relations (Mumbai) : Jaico Publications ,2005.
2. Parthasarathy Rangasamy : Journalism in India.
3. Krishnamurthi : Indian Journalism.
4. Nagarajan.S. : History of the Press in India.
5. K.Rama Rao : The Pen as my Sword.

IV SEMESTER

PAPER VII

INTERNATIONAL RELATIONS AND ORGANIZATIONS

Objective

In the contemporary world the survival of mankind is conditioned by the facts of war and peace. The conditions of war and peace are influenced by various actors, viz., State, non-State and international organizations. This paper introduces the students to all the factors.

UNIT - I : Introduction - Definition - Meaning - Scope of International Relations

- a. State, Nation, Nation State - Concepts, features and scope.
- b. National Power - components of National Power - Its Scope.
- c. Approaches to International relations- Mainstream theories- Idealist and realist.

UNIT - II : Power Systems in International Relations

- a. International power structure - Definition, Meaning and scope-Unipolar, Bipolar and multi-polar.
- b. Balance of power - Meaning and definition - Characteristics of Balance of Power; techniques of Balance of Power.
- c. Collective Security.

UNIT - III : Diplomacy and Foreign Policy

- a. Diplomacy - Meaning, Definition, Objectives, and Scope: Types of Diplomacy.
- b. Foreign Policy - Meaning, Definition, Determinants of foreign policy.
- c. National Interest - Meaning and definitions .

UNIT - IV : International Organization and Scope

- a. International Organization - Origin, growth, functions.

- b. The League of Nations - Origin, Organization, Functions - failure of league of nations.
- c. The UNO - Origin, Aim, Structure, Scope and functions .

UNIT - V : Regional Organization

- a. Origin, Development and functions of regional organizations - Its relevance and utility.
- b. SAARC - Origin, Objectives, Development and functions .
- c. ASEAN - Origin, Objectives, Development and functions.
- d. Basic understanding of EU.

Reference Books

- 1. Goldstein S.Joshua : International Relations.
- 2. UN Publication : Basic facts about UNO.
- 3. Rizvi : South Asia in a changing International Order.
- 4. Palmer & Perkins : International Relations.
- 5. Unique Publishers : An Aquitence to International Relations.

PAPER VIII

ARMED FORCES AND SOCIETY

UNIT-I: Study of society

- (a) Definition forms and types
- (b) Differences between Society, Community Association and state
- (c) Special Features of military organization.

UNIT-II: Social Groups

- (a) Definition
- (b) Types
- (c) Structure and importance

UNIT-III: Social Interaction

- (a) Motivation – Theories of motivation
- (b) Morality its rote and necessity
- (c) Personality – Definition and Determinations

UNIT-IV: Leaderships

- (a) Meanings and definition
- (b) Types and levels
- (c) Theories of leadership

UNIT-V: Civil- military Relations

- (a) Relations in political set-up
- (b) Military inavence an national policy
- (c) Armed forces aid to civil power

ALLIED II

PAPER II

GENERAL ECONOMICS II

UNIT-I

Money - Functions - Changes in supply of Money, Inflation - Deflation - Types - Characteristics - Causes - Effects - Remedies - Deflationary Gap.

UNIT-II

Keynesian Theory of Employment - Savings and Investment Analysis.

UNIT-III

Macro Economic Goals and Tools - Objectives - Central and Commercial Banking in India - Fiscal Policy - Indian Tax System.

UNIT-IV

Growth and Development Strategies - Planning - Agriculture and Industry under Plans with Special reference to the tenth plan.

UNIT-V

Budget - Salient Features - Central and State - Deficit Financing - Priorities in Budgeting - Expenditure in Defence - Recent Trends in Military Finance - Role of Social and Economic infrastructure for Defence Purposes.

Reference Books

General Economics I And II

AUTHOR	TITLE OF THE BOOKS & PUBLISHERS
1. Chrystal, A, Lipsey,R.G.	: Introduction to Positive Economics, Oxford University Press
2. Garfinkel, M.R. [University of California]	: Economics of Conflict, An Overview (a paper presentation)
3. Hartley & Sandler	: Hand Book of Defence Eoomics, North Holland Publisher.
4. Keith Hartley [Centre for Defence Economics, University of York]	: Defence Economics and the Industrial Base (a paper presentation)
5. Keith Hartley [Centre for Defence Economics, University of York]	: Defence Economics, Its contribution and New Developments (a paper presentation)
6. Lipsey, R.G., Abe Chrystal	: Economics, Oxford Publication
7. Manilal B.Nanavati & Anjaria, J.J.	: The Indian Rural Problem, Pub. by Indian Society of Agricultural Problem, Mumbai
8. Sankaran, S	: Indian Economy, Margham Publication
9. Stonier, & Hague	: Text Book of Economic Theory, Economica New Series.
10. Tarlok Singh	: India's Development Experience, Macmillan

SKILL BASED SUBJECT II

PAPER II

WARFARE AND TECHNOLOGY

Objective:

This paper covers a wide range of development, nature and types of weapons and their systems through ages for the easy understanding and benefit of students of defence and strategic studies.

UNIT-I: Introduction of Gunpowder

- (a) Chinese contribution
- (b) European attempts
- (c) Early fire - arms

UNIT-II: Weapons of land - Warfare

- (a) Small arms & Machine guns
- (b) Tanks and Armored vehicles
- (c) Kinds of Artillery guns

UNIT-III: Naval weapons

- (a) Types of warship
- (b) Air craft carrier
- (c) Sub marines and Torpedoes

UNIT-IV: Aerial weapons

- (a) Types of military Aircraft
- (b) Aerial weapons & Radar
- (c) Air Defense systems

UNITV: Nuclear and Electronic weapon systems

- (a) Types of nuclear Bombs
- (b) Kinds of Missiles
- (c) Electronic weapons

NON-MAJOR ELECTIVE II

PAPER II

INTERNATIONAL LAW

Objective

This paper aims at introducing to the students difference aspects of International Law. The laws which govern the conduct of war, Laws of neutrality and the organization of the International court of Justice and covered in this paper.

UNIT - I : Introduction

- a. Definition –Basis of International Law, History and Development of International Law.
- b. Nature, sources and codification.

UNIT - II : Laws of War I

- a. War, Its legal character and effects.
- b. Enemy character, termination of war and post liminium.

UNIT - III : Laws of War II

- a. Laws of Land warfare. Belligerent occupation.
- b. Laws of Maritime warfare.
- c. Laws of Aerial Warfare.

UNIT - IV : Laws of Neutrality

- a. The Laws of neutrality.
- b. Right of Angary and contraband and doctrine of continuous voyage.

UNIT - V : Legal Mechanisms

- a. Blockade: Concept, establishment, kinds and penalties for breach.
- b. Prize courts.

Books for Reference

1. Tandon M.P. and Tandon Rajesh; An Introduction to International Law
[Allahabad:Allahabad Law Agency.
2. Kapoor , S.K. International LAW (Allahabad Central Law Agency 1974.
3. Chavan R.S. An approach to International Law (New Delhi : Sterling publisher 1971).
4. Oppenheim : International Law.
5. J.Starke : An International to International Law.

V SEMESTER

PAPER IX

MILITARY CONFLICTS SINCE WORLD WAR II

UNIT - I : Europe

- a. Czechoslovakian crisis 1968
- b. East European Revolution 1989

UNIT - II : West Asia

Arab-Israeli Conflict of 1956, 1967, and 1973

UNIT - III : Asia

Vietnam War 1950 –1973.

UNIT - IV : Gulf War

- a. Iraq-Kuwait Crisis 1991
- b. Iran-Iraq War
- c. Afghan War 2001

UNIT - V : Latin America

- a. Cuban Missile Crisis 1962.
- b. Falkland War 1982.

Reference Books

- 1. Brower R.Daniel : The World Since 1945. A Brief History.
- 2. Sridhar : Iran, Iraq War.
- 3. Calvocoressi Peter : World Politics 1945 – 2000.
- 4. Robert E.Osgood : Limited War- The Challenge to American Strategy.
- 5. Peter Young : The Israeli Campaign.

PAPER X
STRATEGIC THOUGHT

Objective

Thinkers whose concepts have stood the test of time is outlined in this paper.

UNIT - I : Introduction and Indian Strategic Thinkers

- a. Definition and Meaning of Strategy. Classification of Strategies and Strategic Thought.
- b. Gandhi and Non-Violence, Nehru's Concept of Non-Alignment.

UNIT - II : Linkages Between War and Politics

- a. Contribution of Jomini.
- b. Contribution of Clausewitz.

UNIT - III : Linkages Between Politics, Economics and Mercantilism

- a. Adam Smith
- b. Hamilton

UNIT - IV

- a. Vauban
- b. Schlieffen

UNIT - V : Strategic Thinkers on Sea and Air Warfare

- a. A.T. Mahan
- b. Douhet

Reference Books

1. H. Westcott : Mahan on Warfare.
2. Tedder : Air power in War.
3. C. Falls : Art of War.
4. Edward Mead Earle : Makers of Modern Strategy.
5. Appadorai .A. : Non- Alignment.

PAPER XI
NUCLEAR WARFARE

Objective

In Nuclear age, approach to national and International Security has completely changed. The weapons of mass destruction are there to stay and cannot be easily disinvested and hence the threat of use of military force cannot be eliminated. This paper therefore attempts to 1. Familiarize students with developments in nuclear weapons and also the various nuclear doctrines related to those developments and its impact on national and international security.

UNIT - I : Introduction

- a. The evolution of the nuclear era since 1945.
- b. Basis of Nuclear technology nuclear energy of effects of nuclear explosion.

UNIT - II : Development of Missiles

- a. Classification and characteristics
- b. Brief Study of theories of nuclear warfare, preventive war, pre-emptive attack, Massive Retaliation, Counter force, Flexible Response, M.A.D and M.A.S.

UNIT - III

The theory of Deterrence and its relevance.

UNIT - IV

SDI - Star Wars – Programme and its merits and demerits.

UNIT - V

T.M.D/ N.M.D. Nuclear energy and international Relations.

Reference Books

1. Gerson Da Costa : Nuclear Politics – Destruction and Disarmament
in a dangerous World
2. S K. Khanna : India A Nuclear Power
3. Tellis Ashley J. : India’s Emerging Nuclear Posture
4. Harhabi .Y : Nuclear War and Nuclear Peace
5. Parson : Missiles

PAPER XII

DEFENCE ECONOMICS

UNIT - I : Basics and Concept of Defence Economics

- a. Capitalism ,Socialism and Mixed Economy
- b. Industrial policy of India
- c. Self-Sufficiency and Self-Reliance policies

UNIT - II : Defence Finance and Planning in India

- a. Defence estimates
- b. Defence needs and objectives
- c. Financial cell (Defence)
- d. Planning Commission (Long and Short planning)

UNIT - III : Defence Budgeting - Preparation - Analysis of Utilization of Funds

- a. Role of Service Headquarters
- b. Distribution and sharing of fund
- c. R and D allocation
- d. Defence Programmes

UNIT - IV : Defence Production - Agencies, Ordnance Factories, DR and DO

- a. DGOF-Director General of Ordnance Factories
- b. DSO-Defence Science Organisation
- c. Director General of inspection
- d. HVF - Avadi

UNIT - V : Public Sector Undertakings (Defence)

HAL.BDL , BEL, BEML, GRSE, GSY, Mazagoan Dockyard MIDHANI.

Reference Books

1. Raja Thomas. C. : The Defence Of India.
2. Kevic Lonre : India's quest for Security.
3. Laxmi.Y. : Trends in India's Defence Expenditure.
4. Sen. K. Samin : Military Technology and Defence Industrialization.
5. Venkateswaran.A.L. : Defence Organisation in India.

ELECTIVE I

PAPER I

MILITARY OPERATIONS IN INDEPENDENT INDIA

Objective

Educating the students about military operations in Independent India is the basic objective of this paper.

UNIT - I : Kashmir Operations 1947-48

- a. Background and Causes.
- b. Major Elements (Excluding operational elements).
- c. Result and lessons learnt.

UNIT - II : Sino-Indian Conflict of 1962

- a. Background and Causes.
- b. Major events.
- c. Result and lessons learnt.

UNIT - III : Indo-Pak Conflict 1965

- a. Background and causes.
- b. Major events.
- c. Result and lessons learnt.

UNIT - IV : Liberation War of 1971

- a. Background and causes.
- b. Major events in the Eastern Front.
- c. Result and Lessons Learnt.

UNIT - V : Internal Security Operations

- a. Operation Blue Star.
- b. Operation Rhino.
- c. Operation Safed Sagar.

SKILL BASED SUBJECT III
PAPER III
PUBLIC ADMINISTRATION

Objective:

This paper introduces the spirit methods and scope of public administration. Traces the evaluation of public administration and offers scope for understanding public management.

UNIT-I:

- (a) Meaning, scope & Nature
- (b) Public Administration – Arts & Sciences
- (c) Public administration and Social Sciences
- (d) Evolution of Public Administration

UNIT-II:

- (a) President, Prime-minister & Cabinet
- (b) Cabinet Secretariat
- (c) Central Secretariat
- (d) Organization of Ministries

UNIT-III:

- (a) Governor, Chief Minister, Cabinet
- (b) State Secretariat
- (c) office of Chief Secretariat
- (d) Organization of Ministries

UNIT-IV:

- (a) Hierarchy, span of central,
- (b) Centralization & decentralization
- (c) Coordination
- (d) Delegation

UNIT-V:

- (a) Meaning scope and task public management
- (b) Motivation
- (c) Leadership and decision making
- (d) Communication

Reference Books

1. V.Longer : Red coats to Olive green.
2. Percival : Indian wars.
3. P.C.LAL : My years with IAF.
4. Manjekar : Pakistan cut to size.
5. Nevili Maxwell : India's China war.

VI SEMESTER

PAPER XIII

INDIA AND HER NEIGHBOURS

UNIT - I

Introduction - India's historical legacy-ethos-national values. National interests-Foreign Policy objectives.

UNIT - II

Politico-economic and strategic relationship with China - historical (elementary Treatment) and episodic (issues that condition the bi-lateral relationship).

UNIT - III

Politico-economic and strategic relationship with Pakistan - historical (elementary Treatment) and episodic (issues that condition the bi-lateral relationship).

UNIT - IV

Politico-economic and strategic relationship with Bangladesh, Srilanka, Nepal, Bhutan, and Maldives - historical (elementary treatment) and episodic (issues that condition their respective Bi-lateral relationships).

UNIT - V

India and Indian Ocean - strategic significance - Nuclear Free Zone- maritime Security issues including marine terrorism (proliferation security initiative & container security initiative).

Reference Books

1. U.S.Bajbai : India and Her Neighbourhood.
2. Surender Chopra : Post Simla Indo-Pak Relations.
3. Rajesh M.Basrur : India's External Relations.

4. Mukund Dubey & Nancy Jetley : South Asia and Its Eastern Neighbours.
5. Bidanda M. Chengappa : India – China Relations

PAPER XIV

CONTEMPORARY INTERNATIONAL ISSUES

UNIT - I

The end of Cold War - NEO.

UNIT - II : Intervention - Definition and Types

- a. Case study of Afghanistan 1979
- b. Case study of Iraq.

UNIT - III : The Rise and Growth of Fundamentalism

- a. Case study of Pakistan.
- b. Egypt.
- c. Philippines.

UNIT - IV : Rise of Ethnicity - Definition of Ethnicity

- a. Case study of Srilanka
- b. Elementary treatment of the ULFA, MIZO and the Nagas.

UNIT - V : Protagonist of Human Rights

- a. UNO and Human Rights.
- b. Nelson Mandela
- c. Martin Luther King
- d. B.R.Ambedkar

Reference Books

1. Darren J' O Byrene : Human Rights . An Introduction.
2. Yonah Alexander : Combating Terrorism.
3. John Cooley : Unholy Wars.
4. B.P. Singal : Human Rights in India- Problems and Perspectives.
5. Ganguly Rajat : Ethnic Conflict and Secessionism in South and Southeast Asia.

PAPER XV

ARMS CONTROL AND DISARMAMENT

Objectives

Arms Control efforts from the formation of nation, State system is attempted in this paper. Efforts towards disarmament gained momentum after the second World War which is portrayed in this paper.

UNIT - I : Introduction

- a. Definition of Arms Control, Arms Limitations, Arms Reduction and Arms Trade.
- b. Differences between Arms Control, Arms Limitations, Arms Reduction and Arms Trade.
- c. Nature and scope of Arms Control and Disarmament.

UNIT - II : From Treaty of Westphalia to World War II

- a. Efforts towards Disarmament from Treaty of Westphalia 1648 to the Outbreak of World War I.
- b. Efforts towards Disarmament from World War I to the outbreak of World War II
- c. Efforts towards the formation of the UNO.

UNIT - III: UN and Disarmament

- a. UN's Perception on Disarmament and ARMS Control.
- b. Major efforts till the Disarmament Decade.
- c. Causes and failures.

UNIT - IV : Disarmament Efforts – Success Story

- a. PTBT, NNPT.
- b. SALT I and II
- c. INF, START and Outer space.

UNIT - V : Disarmament Efforts by Other Bodies

- a. NAM.
- b. Nuclear Free Zones
- c. Efforts of India.

Reference Books

- 1. Unique Publishers : International Relations.
- 2. UN Publications : Basic Facts of UNO.
- 3. Narsimarao & Malkote : International Relations.
- 4. Vinay Kumar Malhotra : International Relations.
- 5. SIPRI Year Book.

ELECTIVE II

PAPER II

WORLD MILITARY HISTORY UPTO WORLD WAR II

UNIT -I:

- (a) Advent of modern warfare
- (b) Nature and characteristics of modern warfare
- (c) Military reforms of Gustavus Adolphus

UNIT-II:

- (a) American war of Independence
- (b) Causes and consequences
- (c) American civil war and its military significance

UNIT-III:

- (a) French Revolution causes, course and results
- (b) Napoleon's art of war (Battle of Trafalgar and Waterloo)

UNIT-IV: WORLD WAR I

- (a) Causes & war plans of major powers
- (b) Trench, chemical and mobile warfare
- (c) Role of Naval and Airpower

UNIT-V: WORLD WAR II

- (a) Causes & war plans of major powers
- (b) Blitzkrieg Tactic
- (c) Role of Naval power (Submarines) and Airpower (Battle of Britain)

ELECTIVE III

PAPER III

DEFENCE MANAGEMENT

UNIT - I

Definition, scope and Principles of Management and Decision Making process and HDO of India.

UNIT - II

Defence organization - nature and structure (Line and staff, Pyramid hierarchy in Army Navy and Air force).

UNIT - III

Personnel Management - Staffing (Recruitment and Training)

UNIT - IV

System Analysis - Qualitative Management and Evaluation of Defence Forces

UNIT - V

Cost Effectiveness - Force level, production and procurements of weapons systems and R and D.

Reference Books

1. James Euerett Keatz : Arms Production in the Developing Countries' Lexington Books 1984.
2. SIPRI, Stockholm, 1994, 2002
3. Brig. Parmodh Sanin : Military Logistics - The third Dimension.
4. Maj. Mukherjee .Y. : Quality Management System : ISO 9000 and ISO 14000.
5. Peter Ducker : Principles of Management.

**SKILL BASED SUBJECT IV
PAPER IV**

ELEMENTARY STUDY OF THE CONSTITUTION OF INDIA

UNIT-I: INTRODUCTION

- (a) Definition of Constitution
- (b) Types of constitution – written and unwritten - Flexible and rigid – unitary and federal
- (c) Salient features of Indian constitution
- (d) Fundamental rights

UNIT-II: The Union elective

- (a) The President of India - qualification & Elective procedure
- (b) The role of the President
- (c) The Vice-President of India - clarification & Elective
- (d) The role of Prime-Minister

UNIT-III: The Parliament of India

- (a) Rajya Sabha - its composition and function
- (b) Lok Sabha - its composition and function
- (c) Basic knowledge of opposition group and ruling group

UNIT-IV: The state Administration (10 hours)

- (a) The Governor - its power of position
- (b) The role and function of Chief Minister
- (c) The state Legislatures - role and function.

UNIT-V: The constitutional Bodies of India (10 hours)

- (a) Role and function of Supreme Court
- (b) Role and function of Elective commission
- (c) Role and function of UPSC
