

**ANNAMALAI UNIVERSITY**  
**BACHELOR OF ARTS**  
**B. A. DEFENCE AND STRATEGIC STUDIES**  
**DEGREE COURSE**  
**CBCS PATTERN**  
**(With effect from 2021-2022)**

**The Course of Study and the Scheme of Examinations**

S.NO.	Part	Study Components		Ins. hrs. /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
<b>SEMESTER I</b>									
1	I	Language	Paper-1	6	4	Tamil/Other Languages	25	75	100
2	II	<b>English (CE)</b>	<b>Paper-1</b>	<b>6</b>	<b>4</b>	<b>Communicative English I</b>	25	75	100
3	III	Core Theory	Paper-1	5	3	Fundamentals of War And Peace	25	75	100
4	III	Core Theory	Paper-2	5	3	Defence Mechanism of India	25	75	100
5	III	ALLIED -1	Paper-1	6	3	Outlines of Political Theory-I	25	75	100
6	III	<b>PE</b>	<b>Paper-1</b>	<b>6</b>	<b>3</b>	<b>Professional English I</b>	25	75	100
7	IV	Environmental Studies		2	2	Environmental Studies	25	75	100
				<b>36</b>	<b>22</b>		<b>175</b>	<b>525</b>	<b>700</b>
<b>SEMESTER II</b>									
							<b>CIA</b>	<b>Uni. Exam</b>	<b>Total</b>
8	I	Language	Paper-2	6	4	Tamil/Other Languages	25	75	100
9	II	<b>English (CE)</b>	<b>Paper-2</b>	<b>4</b>	<b>4</b>	<b>Communicative English I</b>	25	75	100
10	III	Core Theory	Paper-3	5	3	The Art of Warfare in India upto 15 <sup>th</sup> Century	25	75	100
11	III	Core Theory	Paper-4	5	3	World military History-I (4 <sup>th</sup> cent. BC to Napoleonic Warfare	25	75	100
12	III	ALLIED-1	Paper-2	6	5	Outlines of Political Theory-II	25	75	100
13	III	<b>PE</b>	<b>Paper-2</b>	<b>6</b>	<b>3</b>	<b>Professional English II</b>	25	75	100
14	IV	Value Education		2	2	Value Education	25	75	100
15	IV	Soft Skill		2	1	Soft Skill	25	75	100
				<b>36</b>	<b>25</b>		<b>200</b>	<b>600</b>	<b>800</b>

SEMESTER –III						CIA	Uni.Exam	Total	
16.	I	Language	Paper-3	6	4	Tamil/ Other Language	25	75	100
17.	II	English	Paper-3	6	4	English	25	75	100
18.	III	Core Theory	Paper-5	4	4	The Art of Warfare in India Since 16 <sup>th</sup> Century	25	75	100
19.	IV	Core Theory	Paper-6	5	4	World military History-II (Since American War of Independence to World War II)	25	75	100
20.	V	ALLIED -I	Paper-3	5	3	General Economics-I	25	75	100
21.	VI	Skill Based Subject	Paper-1	2	2	Service Commissions in Indian Armed forces	25	75	100
22.	IV	Non-major elective	Paper-1	2	2	Fundamentals of Defence and Strategic Studies	25	75	100
				<b>30</b>	<b>23</b>		<b>175</b>	<b>525</b>	<b>700</b>
SEMESTER –IV						CIA	Uni.Exam	Total	
23.	I	Language	Paper-4	6	4	Tamil/ Other Language	25	75	100
24.	II	English	Paper-4	6	4	English	25	75	100
25.	III	Core Theory	Paper-7	5	4	International Relations and Organizations	25	75	100
26.	III	Core Theory	Paper-8	4	3	Limited wars	25	75	100
27.	III	ALLIED -I	Paper-4	5	5	General Economics-II	25	75	100
28.	IV	Skill Based Subject	Paper-2	2	2	Industrial Security	25	75	100
29.	IV	Non-major elective	Paper-2	2	2	Fundamentals National Security	25	75	100
				<b>30</b>	<b>24</b>		<b>175</b>	<b>525</b>	<b>700</b>
SEMESTER – V						CIA	Uni.Exam	Total	
30.	III	Core Theory	Paper-9	6	4	Armed forces and society	25	75	100
31.	III	Core Theory	Paper-10	6	4	Strategic thought	25	75	100
32.	III	Core Theory	Paper-11	6	4	Nuclear Warfare	25	75	100
33.	III	Core Theory	Paper-12	6	4	Defence Economics	25	75	100
34.	III	Internal Elective	Paper-1	3	3	<b>(To choose any 1 out of 3)</b> A. Warfare in independent India B. Military Geography C. Essentials of Public Administration	25	75	100
35.	IV	Skill based subject	Paper-3	3	2	Conflict and Media	25	75	100
				<b>30</b>	<b>21</b>		<b>150</b>	<b>450</b>	<b>600</b>
SEMESTER – VI						CIA	Uni.Exam	Total	
36.	III	Core Theory	Paper-13	5	4	National Security of India	25	75	100

37.	III	Core Theory	Paper-14	5	4	Introduction to International Law	25	75	100
38.	III	Core Theory	Paper-15	5	3	Arms Control and Disarmament	25	75	100
39.	III	Compulsory Project	Paper-16	5	5		25	75	100
40.	III	Internal Elective	Paper-2	3	3	<b>(To choose any 1 out of 3)</b> A. Specialized Warfare B. Warfare and Technology C. Elementary Study of the Constitution of India	25	75	100
41.	III	Internal Elective	Paper-3	3	3	<b>(To choose any 1 out of 3)</b> A. Defence Management B. Human Rights C. Terrorism	25	75	100
42.	VI	Skill based subject	Paper-4	3	2	Basics of Defence Journalism	25	75	100
43.	V	Extension Activities		-	1		100	-	100
				<b>30</b>	<b>25</b>		<b>275</b>	<b>525</b>	<b>800</b>
									<b>4300</b>

Part	Subject	Papers	Credit	Total Credits	Marks	Total Marks
Part I	Languages	4	4	16	100	400
Part II	Communicative English & English	4	4	16	100	400
Part III	Allied (Odd Semester)	2	3	6	100	200
	Allied (Even Semester)	2	5	10	100	200
	Electives	3	3	9	100	300
	Core	15	(3-5)	54	100	1500
	Professional English	2	3	6	100	200
	Compulsory Project (Group/Individual Project)	1	5	5	100	100
Part IV	Environmental Science	1	2	2	100	100
	Soft skill	1	1	1	100	100
	Value Education	1	2	2	100	100
	Lang. & Others /NME	2	2	4	100	200
	Skill Based	4	2	8	100	400
Part V	Extension Activities	1	1	1	100	100
	<b>Total</b>	<b>43</b>		<b>140</b>		<b>4300</b>

**ANNAMALAI UNIVERSITY**  
**VELLORE**  
**B.A DEFENCE AND STRATEGIC STUDIES**  
**SYLLABUS**  
**CBCS PATTERN**  
**(With effect from 2021-2022)**

**SEMESTER – I**  
**PAPER – 1**  
**FUNDAMENTALS OF WAR AND PEACE**

**Objective:**

The history of mankind is highlighted by incidents of war and peace. It is therefore necessary to have in-depth knowledge of these concepts for better understanding and clarity of the subject.

**Unit – 1: Conceptual Formulation**

- a) Meaning and definition of Defence and Strategic Studies – Its relevance and significance.
- b) Subject content of Defence and Strategic Studies – Its features and relationship with other disciplines of study.
- c) Definition and meaning of basic concepts – War, Campaign, Battle, Strategy, Tactics, Security and Defence.

**Unit – 2: History of Warfare**

- a) Historical evolution of Warfare – Salient features of warfare at various historical stages and recent times.
- b) Causes of War.
- c) Principles of War.

**Unit -3: Typology of Warfare**

- a) Conventional and unconventional wars – Civil wars, Nationalist war, Guerilla war, Insurgency, Limited war and Total war.
- b) ABC Warfare – Atomic, Biological and Chemical warfare.
- c) Hi-tech Warfare – Electronic war and Cyber war.

## **Unit – 4: Peace - Conceptual Formulations**

- a) Concept of peace – Meaning, Definition and Typology of Peace.
- b) Peace movements: Anti-nuclear Movements – CND and so on
- c) Zones of Peace and Nuclear Weapon Free Zones (NWFZ).

## **Unit – 5: Mechanics of Peace**

- a) Peaceful Settlement of International Disputes and International Court of Justice (ICJ).
- b) Peace Keeping Operations (United Nations Organisation).
- c) Peace Building, Peace Making, and Peace Research.

## **REFERENCES**

- 1) Philip, T.R., (ed), Roots of Strategy, 1943.
- 2) Michael Howard, (ed), The Theory and Practice of War, 1965.
- 3) D. G. Chandler, The Atlas of Military Strategy: the art, theory and practice of war (London 1980)
- 4) Fuller, J.F.C., The Foundation of the Science of War (London, 1925)
- 5) Field Marshal, Montgomery, Viscount. A History of Warfare, (London: Collins 1968).
- 6) Galtung, Johan, The Struggle for Peace, (Ahamedabad)

## **Course Outcomes:**

Chapter 1: From this chapter, you will have learnt the basic understanding of Defence and strategic studies, and the concepts of War.

Chapter 2: From this chapter, one will have learnt the historical evolution of war and its genesis.

Chapter 3: From this chapter, one will have learnt the typology of wars.

Chapter 4: From this chapter, one will have learnt the basic concepts of peace.

Chapter 5: From this chapter, one will have learnt the concepts of Peace making and peace building.

## **PAPER – 2**

### **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 the pattern followed by India.

#### **Unit – I: The Indian Defence Forces**

- a) Rank Structure of the Three Services.
- b) Important Training Institution of the Three Services.
- c) Second Line of Defence [Introduction of Border Security Force (BSF), Coast Guard (CG), Central Industrial Security Force (CISF) and Rashtriya Rifles (RR)].

#### **Unit – 2: Higher Defence Organizations of India**

- a) Power of the President of India with reference to Defence.
- b) Cabinet Committee on Political Affairs (CCPA)
- c) Role and Function of Ministry of Defence.
- d) Composition and Functions of Defence Committees/National Security Council (NSC).
- e) Chief of Staff Committee and Joint Intelligence Committee.

#### **Unit – 3: Army Organization**

- a) Organization of Army Headquarters, Role of Chief of Army Staff (COAS) and Principal Staff Officer (PSO).
- b) Static and Field formation of Indian Army.
- c) Arms and Services.
- d) Weapons of Indian Army.

#### **Unit – 4: Air Force Organization**

- a) Organization of Air Force Headquarters Chief of Airforce Staff (CAS) and Principal Staff Officer (PSO).
- b) Static and Field formation of Indian Air Force.
- c) Types of Aircrafts.

#### **Unit – 5: Navy Organization**

- a) Organization of Naval Headquarters Chief of Naval Staff (CNS) and Principal Staff Officer (PSO).
- b) Static and Field formation of Indian Navy.
- c) Types of Warships.

## **REFERENCES**

- 1) Venkateswaran, A.L., Defence Organisation in India, New Delhi: Government of India, 1967.
- 2) Government of India, The Army of India and its Evolution, Calcutta, 1924.
- 3) Ministry of Defence, Government of India, Indian Armed Forces Year Book, (Annual).
- 4) Palit, D.K., Essentials of Military Knowledge, New Delhi, 1989.
- 5) Singh, Nagendra, Defence Mechanism of Modern State, New Delhi, 1967.

### **Course Outcomes:**

Chapter 1: From this chapter, one will have learnt the basic understanding of Defence forces. Chapter 2: From this chapter, one will have learnt the higher defence organization of India.

Chapter 3: From this chapter, one will have learnt the structure of Indian army.

Chapter 4: From this chapter, one will have learnt the basic structure of Indian navy

Chapter 5: From this chapter, one will have learnt the structure of Indian air force.

**ALLIED – 1**  
**PAPER – 1**

**OUTLINES OF POLITICAL THEORY I**

**Objectives**

This paper tries to:

- a) Give an introduction to the discipline of Political Science.
- b) Point out the origin of States.
- c) Sketch various forms of States.
- d) Point out the importance of Law, Equality and Liberty.
- e) 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. Politics - Arts or Science.

**UNIT-II: State**

1. Elements of 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)

## **REFERENCES**

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 and Co., New Delhi, 2000

## **SEMESTER – II**

### **PAPER – 3**

#### **THE ART OF WARFARE IN INDIA UP TO THE 15TH CENTURY**

**OBJECTIVE:** This paper attempts to familiarise the students with the evolution of the art of warfare in India. The idea is to study how the Art of Warfare evolved over a period of time with the changes in Political Governance, Nature of Threats and Advancement in Weapon Systems.

#### **UNIT – I: Warfare in Ancient India**

- a) Types of Wars during Vedic period.
- b) Alexander's invasion of India (Battle of Hydaspes).
- c) Causes of Alexander's Victory.
- d) Causes of Porus' Defeat.

#### **UNIT – II: Military System of the Mauryan Period**

- a) Battle of Kalinga and its Significance.
- b) Military Organization of Maurayas
- c) Kautilya's Arthashastra - Philosophies on War, Peace, Fort, Espionage and Diplomacy.

#### **UNIT – III: Military System of the Gupta Period**

- a) Introduction to the Gupta Dynasty.
- b) Military Organization of the Guptas.
- c) Military organization of Harsha Vardhana.

#### **UNIT – IV: Rajput Military System**

- a) Rajput challenge to the Arab Conquests - Battle of Rawar.
- b) Muhammad Ghori's Conquest of India - Battle of Terrain I and II.
- c) Causes of downfall of Rajputs in the Middle Ages.

#### **UNIT – V: Military System in South India.**

- a) Political Powers of South India in the Medieval Period.
- b) Military Organization of the Pallavas and the Pandyas.
- c) Military achievements of Chola and Chera Emperors.

#### **REFERENCES**

- 1) Majumdar, R.C., An Advanced History of India, New York: St.Martin,1967.
- 2) Malleon, G.B., The Decisive Battles of India, London:W.H.Allen,1885 3) Saxena, K.L.M., Military System of India-1850-1900, Delhi'1976.

- 3) Roy, Koushik., From Hydespas to Kargil : A History of Warfare in India from 326 B.C. to A.D 1999, Delhi: Manohar,2004.
- 4) Anjoli Nirmal, The Decisive Battles of Indian History, Jaipur: Pointer Publications,1999.
- 5) Sarkar, Jadunath., Military History of India, Bombay: Orient Longmans,1970.
- 6) Das, S.T., Indian Military: Its History and Development, Allahabad: Kitab Mahal,1979.
- 7) V.R.R. Dikshitar, Wars in Ancient India, 1948.

**Course Outcomes:**

Chapter 1: From this chapter, one will have learnt the types of wars in the Vedic period.

Chapter 2: From this chapter, one will have learnt about the military system of the Mauryan period.

Chapter 3: From this chapter, one will have learnt about the military system of the Gupta period.

Chapter 4: From this chapter, one will have learnt about the military system of the Rajputs.

## PAPER - 4

### WORLD MILITARY HISTORY – I (4th Century BC to Napoleonic Era)

**Subject Description:** This paper outlines the wars which were fought from 4th century BC to 19th Century AD.

**Goal:** To make the students understand the evolution of warfare in the world from early period.

**Objective:** On successful completion of the paper, the candidate will be able to a recite the evolution of warfare from early times.

#### Unit – I: Greek Warfare

- a) Military system of the Greeks.
- b) Greeco Persian Wars – with special reference to the Battles of Marathon, Thermopyle and Salamis.
- c) Peloponnesian Wars.

#### Unit – 2: Roman Warfare

- a) Military System of the Romans.
- b) Punic Wars – with special reference to the Battles of Cannae and Zama.
- c) Campaigns of Julius Caesar.

#### Unit – 3: Warfare in the Middle Ages

- a) Crusades – Age of Valour.
- b) Mongol Military System.
- c) Advent of Gun Powder and its impact on Warfare.

#### Unit – 4: Warfare During 16th and 17th Centuries

- a) Development of weapons during 16th and 17th centuries.
- b) Reforms of Gustavus Adolphus.
- c) Siege craft and Fortification – Vauban.
- d) Rise of Professional Armies and Navies.

#### Unit – 5: Napoleonic Warfare

- a) French Revolution – Causes and Outcome.
- b) Rise of Napoleon.
- c) Napoleon's Art of Warfare.
- d) Battles of Trafalgar and Waterloo.

#### REFERENCES

- 1) Howard, Michael. War in European History, Oxford: Oxford University Press, 1977.
- 2) Keegan, John. A History of Warfare, New York: Vintage, 1993.
- 3) Fuller, J.F.C., A Military History of the Western World, New York: Funk and Wagnall's Company, 1955.

- 4) Neilberg, Michaels. Warfare in World History, London / New York: Rutledge, 2001.
- 5) Andre Corviser, (ed.), A Dictionary of Military History, Oxford: Blackwell Publishers, 1994.
- 6) Dupey and Dupey, Encyclopedia of Military History.

**Course Outcomes:**

Chapter 1: From this chapter, one will have learnt about the military system of the Greeks.

Chapter 2: From this chapter, one will have learnt about the military system of the Romans.

Chapter 3: From this chapter, one will have learnt about the Crusades and advent of gun powder

Chapter 4: From this chapter, one will have learnt about the development of weapons in the 16<sup>th</sup> and 17<sup>th</sup> centuries.

Chapter 5: From this chapter, one will have learnt about military genius of Napoleon and the French Revolution.

# ALLIED – 1

## PAPER – 2

### OUTLINES OF POLITICAL THEORY II

#### Objectives

This paper tries to:

1. Sketch the features of Democratic States.
2. Outline the structure and functions of the Legislative System.
3. Outline the structure and functions of the Executive System.
4. Outline the structure and functions of the Judicial System.
5. Describe the linkages of various systems in a Democratic State.

#### UNIT-I: Democratic State

1. Definitions of Democracy.
2. Representative Democracy.
3. Direct Democracy.
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 Judiciary.
2. Independence of 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.

## **REFERENCES**

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

**SEMESTER - III**  
**CORE PAPER - 5**  
**THE ART OF WARFARE IN INDIA SINCE 16th CENTURY**

**OBJECTIVE:**

With the introduction of gun powder in the west, the art of warfare in India was transformed into professionalism. This paper will throw light on the engagement of these Professional armies in India with the Mughals, Marathas and Sikhs.

**Goals:**

The students will have a clear understanding about the Military system of Mughals and their battles, the Rise of Maratha's with their Guerilla War Strategies and the Rise of the Sikh Military System with their Strategic and Tactics maneuvers.

**UNIT - I: Military System 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 and 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 Kanohji 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 European Settlers.
- 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 III)
- b) The First War of Independence and the Great Mutiny 1857.- Causes, Course and Consequences.
- c) The Military Reforms under the British Crown.

**REFERENCES**

- 1) Majumdar,R.C., An Advanced History of India, New York: St.Martin, 1967.



- 2) Malleon, G.B., The Decisive Battles of India, London:W.H.Allen, 1885
- 3) Saxena,K.L.M., Military System of India-1850-1900, Delhi'1976
- 4) Roy, Koushik, From Hydespas to Kargil: A History of Warfare in India from 326 B.C. to A.D 1999, Delhi: Manohar, 2004.
- 5) AnjoliNirmal, The Decisive Battles of Indian History, Jaipur: Pointer Publications, 1999.
- 6) Sarkar, Jadunath, Military History of India, Bombay: Orient Longmans, 1970.
- 7) Das, S.T., Indian Military: Its History and Development, Allahabad: KitabMahal, 1979.
- 8) V.R.R. Dikshitar, Wars in Ancient India,1948.

**Course Outcomes:**

Chapter 1: From this chapter, one will have learnt about the military system of the Mughals.

Chapter 2: From this chapter, one will have learnt about the military system of the Marathas.

Chapter 3: From this chapter, one will have learnt about the Sikhs military system.

Chapter 4: From this chapter, one will have learnt about the European advent to India

Chapter 5: From this chapter, one will have learnt about the British conquest to India.

## **CORE PAPER - 6**

### **WORLD MILITARY HISTORY - II (Since American War of Independence to World War II)**

#### **Subject Description:**

This Paper aims at enlightening the students about the causes, conduct and the outcomes of Wars from the American War of Independence to the Second World War.

#### **Goals:**

To make the students learn about the wars those were fought from 19th century to World War – II.

#### **Objective:**

On completion of the paper, the students will be able to analyse the causes of war and its repercussions in modern period.

#### **Unit -I: American Military Experience**

- a) American war of Independence - (1776 –1782).
- b) American Civil war - (1861 – 1865).
- c) Spanish American war - (1898 – 1900).

#### **Unit -II: World War - I**

- a) Causes
- b) Trench Warfare
- c) Mobile Warfare – Battles of Somme and Cambrai.

#### **Unit -III: Development of warfare during inter war period**

- a) Land Warfare
- b) Sea Warfare
- c) Air Warfare.

#### **Unit -IV: World War - II**

- a) Causes
- b) Development of Armored Warfare
- c) The Blitzkrieg.

#### **Unit -V: World War - II**

- a) Desert Warfare
- b) Role of Naval power – Battle of Midway
- c) Role of Air power – Battle of Britain
- d) Consequences

#### **REFERENCES**

- 1) Reid, Brain Holden, *The Origin of American Civil War*, (London: 1996).
- 2) Parish, Peter, *The American Civil War*, (London: 1975).
- 3) Falls, Cyril, *The First World War* (London: 1960).
- 4) Strachan, Hew (ed). *The Oxford Illustrated History of the First World War* (Oxford: 1998).
- 5) Dupey and Dupey, *Encyclopedia of Military History*.
- 6) Posen, B.R., *The Sources of Military Doctrine*, Cornell University Press, (Ithaca: 1984).
- 7) Fuller, J.F.C., *the Decisive Battles*.

**Course Outcomes:**

Chapter 1: From this chapter, one will have learnt about the American military expeditions.

Chapter 2: From this chapter, one will have learnt about the causes, courses of World War I.

Chapter 3: From this chapter, one will have learnt about the development of military weapons in between wars.

Chapter 4: From this chapter, one will have learnt about the causes of World War II

Chapter 5: From this chapter, one will have learnt about military strategy during World War II.

## **ALLIED - 2**

### **PAPER - 3**

#### **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 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 and Planning.

##### **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.

##### **REFERENCES**

- 1) Dr. S. Sankaran, Micro Economics.
- 2) M.L. Jhingan, Micro Economics.
- 3) Dutt and Sundaram, Indian Economy.
- 4) Defence Economics,

##### **Course Outcomes:**

Chapter 1: From this chapter, one will have learnt about an introduction to the discipline of Economics.

Chapter 2: From this chapter, one will have learnt about the concepts used in Economics.

Chapter 3: From this chapter, one will have learnt about the various Mechanisms in economics.

Chapter 4: From this chapter, one will have learnt about the importance of market forms.

Chapter 5: From this chapter, one will have learnt about the economics related to Defence.

## **SKILL BASED SUBJECT**

### **PAPER - 1**

#### **SERVICE COMMISSIONS IN INDIAN ARMED FORCES**

##### **Unit- I: Recruitments in Indian Army, Navy and Air force**

1. Short Term Service –Army
2. Short Term Service – Navy
3. Short Term Service - Air force
4. Para Military Services
5. Coastal Security Guard

##### **Unit - II: Recruitment into Police forces**

1. TN Police Force – Constable and Sub-Inspector.
2. TNPSC – Group I
3. UPSC – IPS
4. TNPSC – Other services
5. UPSC – Other services

##### **Unit - III: GERNERAL KNOWLEDGE I (Indian History and Other Facts)**

1. Indian History
2. Facts about India
3. Indian Constitution
4. Civic Life
5. National Movement

##### **Unit - IV: GERNERAL KNOWLEDGE II (World History)**

1. Countries of the World
2. World Organizations
3. Physical Geography
4. World Geography
5. Industrial Geography

##### **Unit -V: GERNERAL KNOWLEDGE III (India)**

1. Geography of India
2. Sports and Awards.
3. Books and Authors
4. Indian Culture
5. Economics and Commerce

##### **REFERENCES:**

1. Manorama Year book

2. Civil Services Chronicle

3. Unique Guide for Civil Service Prelims.

**Course Outcomes:**

Chapter 1: From this chapter, one will have learnt about the service commission's opportunities in Indian Armed forces

Chapter 2: From this chapter, one will have learnt about the opportunities in Tamil Nadu Police forces.

Chapter 3: From this chapter, one will have learnt about the Basic tenants of Indian History.

Chapter 4: From this chapter, one will have learnt about the basics of World history.

Chapter 5: From tis chapter, one will have learnt about current affairs.

## **NON MAJOR ELECTIVE**

### **PAPER - 1**

#### **FUNDAMENTALS OF DEFENCE AND STRATEGIC STUDIES**

##### **Objective**

To introduce the discipline of Defence and Strategic Studies – its content, relevance and importance in the contemporary world and its fundamental goals and its relationship with other disciplines.

##### **Unit - I: Introduction and Conceptual Formulations**

- a) Introduction to the discipline of Defence and Strategic Studies – Contents – Relationship with other disciplines – Relevance and Significance.
- b) Basic Concepts of War, Battle and Campaign.
- c) Definition of Security, Defence, Strategy and Peace.

##### **Unit - II: History of Warfare**

- a) Historical Evolution of Warfare – Its Features and Significance.
- b) Principles, Causes and Functions of War.
- c) Types of War – and Scope

##### **Unit - III: Basic of International Relations**

- a) Introduce to IR Nature and Scope of International Relations; and Features of International Political System- Structure of international Political System (Uni, Bi and Multi Polar)
- b) Basic Concept Actors in International Political System – State and Non – State actors; World government (UNO)
- c) Security features in International Political system – Collective security, Balance of power, Hegemony, Regionalism, etc.

##### **Unit - IV: Introduction to Peace**

- a) Meaning and Definition of peace; typology and peace;
- b) Approaches to peace – Disarmament, International Law;
- c) Peace movement, peace research, peace-making, peace building, peace keeping.

##### **Unit - V: Mechanics of Peace**

- a) Role and function of International organizations – League of Nations, UNO;
- b) Amicable means to settle Inter-state conflicts;
- c) Diplomacy-Scope and Function; type of diplomacy – its features.

## **REFERENCES**



- 1) Field Marshal Montgomery, Viscount, A History of Warfare, London: Collins, 1968.
- 2) Palmer, N.D. and H.C. Perkins, International Relations, Boston: Houghton Mifflin, 1953.
- 3) Margenthau, H.J., Politics among Nations: The Struggle for Power and Peace, Calcutta: Scientific Book Agency' 1972.
- 5) Waltz, K., Man, the State, and War: A Theoretical Analysis, New York: Columbia University Press, 1959.
- 6) Johan, Galtung, The Struggle for Peace, Ahmedabad: Gujarat VidhyaPeeth, 1985.
- 7) Chopra, Jarat (ed), The Politics of Peace - Maintenance, New York: 1998.

**Course Outcomes:**

Chapter 1: From this chapter, one will have learnt about the basic concepts and definitions in Defence studies.

Chapter 2: From this chapter, one will have learnt about the historical evolution and types of warfare.

Chapter 3: From this chapter, one will have learnt about the Basic Concepts in International Relations.

Chapter 4: From this chapter, one will have learnt about the meaning and approaches towards peace.

Chapter 5: From this chapter, one will have learnt about peace mechanism.

## **SEMESTER - IV**

### **CORE PAPER - 7**

#### **INTERNATIONAL RELATIONS AND ORGANIZATIONS**

##### **OBJECTIVE:**

In the contemporary world the survival of the 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 these factors.

##### **Unit- I: Introduction to International Relations**

- a. Concepts, Features and Scope of State, Nation and Nation-state.
- b. National Power and Components of National Power.
- c. Approaches to International Relations, Mainstream Theories: Idealism and Realism.

##### **Unit - II: Power Systems in International Relations**

- a. Definition, Meaning, and Scope of International Power Structure: Uni – polar, Bi – Polar and Multi – Polar.
- b. Meaning and Definitions of Balance of Power, Characteristics of Balance of Power, Techniques of Balance of Power.
- c. Collective Security.

##### **Unit - III: Diplomacy and Foreign Policy**

- a. Meaning, Definitions, Objectives and Scope of Diplomacy, Types of Diplomacy.
- b. Meaning and Definitions of Foreign Policy, Determinants of Foreign Policy.
- c. Meaning and Definitions of National Interest.

##### **Unit- IV: International Organization and Scope**

- a. Origin, Growth and Functions of International Organizations.
- b. Origin, Organization and Functions of the League of Nations, Failure of the League of Nations.
- c. Origin, Aim, Structure, Scope and Functions of the United Nations Organisation.

##### **Unit - V: Regional Organization**

- a. Origin, Development and Functions of Regional Organizations – its relevance and utility.
- b. Origin, Objectives, Development and Functions of SAARC.
- c. Origin, Objectives, Developments and Functions of ASEAN.
- d. Origin, Development and Current Status of the European Union.

## **REFERENCES**

- 1) Palmer, N.D. and H.C. Perkins, International Relations, Boston: Houghton Mifflin, 1953.
- 2) Jackson, R. and G. Sorensen, Introduction to International Relations: Theory and Approaches, Oxford: Oxford University Press, 2003.
- 3) Frankel, J., International Relations in a Changing World, London: Oxford University Press, 1977.
- 4) Nicholson, M., International Relations: A Concise Introduction, New York: Palgrave, 2002.
- 5) Chatterjee, Aneek, International Relations Today: Concept and Applications, New Delhi: Pearson, 2010.
- 6) Johari, J.C., International Relations and Politics, New Delhi: Sterling Publishers, 1985.

### **Course Outcomes:**

Chapter 1: From this chapter, one will have learnt about the basic concepts of international relations.

Chapter 2: From this chapter, one will have learnt about the Power Systems in International Relations.

Chapter 3: From this chapter, one will have learnt about the meanings of Diplomacy and Foreign Policy

Chapter 4: From this chapter, one will have learnt about the scope of International Organization.

Chapter 5: From this chapter, one will have learnt about Regional Organizations.

## **CORE PAPER - 8**

### **LIMITED WARS**

#### **Subject Description:**

This paper deals with the evolution of limited wars after the end of World War – II.

#### **Objective:**

After going through this paper students will have an understanding of wars that were fought after the end of World War – II.

#### **Unit -I: Korean War**

- a) Concept, Meaning and Scope of Limited wars
- b) Causes of Korean War
- c) Main Events
- d) Role of UNO

#### **Unit -II: Vietnam War**

- a) Causes
- b) Main Events
- c) Lessons Learnt

#### **Unit -III: Arab Israeli Wars of 1967 and 1993**

- a) Causes
- b) Main Events
- c) Role of Air power
- d) Lesson Learnt

#### **Unit -IV: Iran - Iraq War**

- a) Causes
- b) Highlights of the War
- c) Result and Lessons Learnt

#### **Unit -V: Gulf War I and II**

- a) Causes
- b) Highlights of the Wars
- c) Role of United Nations

### **REFERENCES**

- 1) Hastings, Max, The Korean War, (London: 1987)

- 2) Herring, George, America's Longest War (New York, 1996)
- 3) Fraser, T.G., The Arab - Israeli Conflict (London: 1995)
- 4) Agwani, M.S., The West Asian Crisis, New Delhi: 1995.
- 5) Colvocoressi, P., World Politics: 1954 - 2000, New Delhi: Pearson Education, 2001.
- 6) Schoot, Ian., World Famous Battles , London : Magpie Books Ltd., 1994

**Course Outcomes:**

Chapter 1: From this chapter, one will have learnt about the concept of limited war and Korean War causes.

Chapter 2: From this chapter, one will have learnt about the causes of Vietnam War.

Chapter 3: From this chapter, one will have learnt about the Arab Israeli Wars of 1967 and 1993.

Chapter 4: From this chapter, one will have learnt about the Iran - Iraq War.

Chapter 5: From this chapter, one will have learnt about the Gulf War I and II.

**ALLIED - 2**  
**PAPER - 4**  
**GENERAL ECONOMICS II**

**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 theories and growth of Economy in the strategic sector. Also, to provide insight on the most pressing issue “Demand for Defence Expenditure” i.e. the purpose of Defence Budget.

**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.

**REFERENCES**

- 1) Dr. S. Sankaran, Macro Economics.
- 2) M. L. Jhingan, Macro Economic Theory.
- 3) Dutt and Sundaram, Indian Economy.
- 4) B. P. Tyagi, Public Economics.
- 5) Dr. S. Sankaran, Monetary Economics.
- 6) Chrystal, A, Lipsey, R.G Introduction to Positive Economics, Oxford University
- 7) Garfinkel, M.R. (University of California) Economics of Conflict, An Overview (Paper presentation).
- 8) Hartley and Sandler, Hand Book of Defence Economics, North Holland.

**Course Outcomes:**

Chapter 1: From this chapter, one will have learnt about the basic terms in economics.

Chapter 2: From this chapter, one will have learnt about the theories and analysis in economics.

Chapter 3: From this chapter, one will have learnt about the systems used in economics.

Chapter 4: From this chapter, one will have learnt about the strategies in economics.

Chapter 5: From this chapter, one will have learnt about the budget used for Defence purpose.

## **SKILL BASED SUBJECT**

### **PAPER-2**

## **INDUSTRIAL SECURITY**

### **Objective:**

To provide a frame work of knowledge relating to the concepts and practice of Industrial security in Indian context and to make the students understand the concept, safety and role of security in industrial sector.

### **Unit - I**

Concept – Meaning – Definition

### **Unit - II**

Industrial Safety – Vision and Mission of Industries – Ethical and Legal Standards.

### **Unit - III**

Recruitment and Selection of Security Forces in Industrial Sector.

### **Unit - IV**

Training and Development of Industrial Security Forces.

### **Unit - V**

Recent Developments in Industrial Security and Scope for Employment.

### **REFERENCES**

1. Sharma.R.P., Industrial Security Management,New Age International2005.
2. R.K. Sinha,Industrial Security Management,Vikas Publishing House PVT-LTD, New Delhi India 2012.
3. Charlie Kaufman, Network Security: Private Communication in a Public World, Published By Pearson.
4. Nick Selby, Cyber Attack Survival Manual, Published byWeldon Owen Copy Rights materials.

### **Course Outcomes:**



Chapter 1: From this chapter, one will have learnt about the basic concept of industrial security.

Chapter 2: From this chapter, one will have learnt about the safety and standards of industrial security.

Chapter 3: From this chapter, one will have learnt about the recruitment process of security forces.

Chapter 4: From this chapter, one will have learnt about the training process of security forces.

Chapter 5: From this chapter, one will have learnt about the scope of security force for industry.

## NON MAJOR ELECTIVE

### PAPER - 2

#### FUNDAMENTALS OF NATIONAL SECURITY

##### **Objective:**

To cultivate basic knowledge about the Concept of National Security and Approaches to achieve National Security (With Special Reference to India).

##### **Goals:**

Apply one's subject knowledge and transferable skills to new unfamiliar context, to identify and analyze different security issues and analyses complex problems with well-defined suggestions for policy makers in national security issues.

##### **Unit - I: Introduction**

- a) Definition, Scope and Features of the Concept of National Security.
- b) Concept of National Power – Elements of National Power (Tangible and Intangible).
- c) Fundamental Factors, Values, Goals, Policies and Determinants of National Security Policy.

##### **Unit - II: Foreign Policy and Defence Policy**

- a) Definition, Meaning, Scope of Foreign Policy and Defence Policy.
- b) Determinants of Foreign Policy and Defence Policy.
- c) Instruments of Foreign Policy and Defence Policy – Diplomacy.

##### **Unit - III: Approaches to National Security**

- a) Coercive and Non-Coercive Approaches – Meaning and Scope.
- b) Coercive Means – Threats, Threat Perception and Defence Apparatus, Armed Forces – Its organization and functions (India)
- c) Non – Coercive Means, Peace Mechanics, Peace Making and Peace Building.

##### **Unit - IV: Strategic Environment - India**

- a) Feature of Strategic Environment – Its Scope in Policy Making.
- b) India's Strategic Environment – Immediate Neighbours, Adjacent Regions, Indian Ocean and Global Structure.
- c) India's Military Preparedness – Defence Budget, Force Structure and Organization.

##### **Unit - V: India's Strategic Relationship (Salient Features)**

- a) India – Pakistan: Politico – Strategic Relations.
- b) India – China: Politico – Strategic Relations.
- c) India and the World Powers.

## REFERENCES

- 1) Barry, Buzan, People, State and Fear: The National Security Problems in International Relations, Sussex; Wheatsheaf Books, 1983.
- 2) Bajpai, U.S., (ed) India's Security: The Politico-Strategic Environment, New Delhi: Lancers Books, 1983.
- 3) Dixit, J.N., Across Borders: Fifty Years of India's Foreign Policy, New Delhi: Picus Books, 1998.
- 4) Satish Kumar, (ed). Yearbook on India's Foreign Policy, New Delhi: Deep and Deep, 1993.
- 5) Jayaramu, P.S., India's National Security and Foreign Policy, New Delhi: ABC Publishers, 1978.
- 6) Kaul, T.N., India and the New World Order, Vol. 1, New Delhi: Gyan, 2000.
- 7) Kux, Dennis, Estranged Democracies: India and the United States 1941 - 1991, New Delhi: Sage Publications, 1994.

### Course Outcomes:

Chapter 1: From this chapter, one will have learnt about the basic concept of national security.

Chapter 2: From this chapter, one will have learnt about the concept of Foreign and Defence policies.

Chapter 3: From this chapter, one will have learnt about the Approaches to National Security.

Chapter 4: From this chapter, one will have learnt about the Strategic Environment in India.

Chapter 5: From this chapter, one will have learnt about the India's Strategic Relationship with other countries.

## **SEMESTER - V**

### **CORE PAPER - 9**

#### **ARMED FORCES AND SOCIETY**

##### **Objective:**

To educate students about the importance of Armed Forces and the value of Society, from the evolution of ancient societies till the development of the Modern State System, including Civilian Leadership, Military Authority and Decision Making.

##### **Goals:**

The Students will have an understanding about the evolution of Community Living, Benefits and Safeguards of Social Groups and the Defence of a State. It will also focus on the Role and Versatility of the Armed Forces, Various Approaches to Decision Making, Civilian Leadership, Transparency and the Civil Military Relations.

##### **Unit -I: Study of Society**

- a) Definitions and Types of Societies.
- b) The Concept of Community, Association and State.
- c) Differences between Society, Community, Association and State.

##### **Unit - II: Evolution of State System**

- a) Theories and Elements of State.
- b) State – Pre-historic to Modern State.
- c) Concepts of Nation, Nation-State, National Power and National Character.
- c) Concept of Nation Building.

##### **Unit -III: Study of Militarism**

- a) Concept, Meaning and Definition of Militarism.
- b) Evolution of Military System.
- c) Types and Kinds of Military Formations.
- b) Role of Armed Forces in Modern Times.

##### **Unit -IV: Leadership**

- a) Meanings and Definition of Leadership.
- b) Characteristics and Qualities of Leadership.
- c) Styles or Techniques of Leadership.
- c) Theories of Leadership.

##### **Unit -V: Civil – Military Relations**

- a) Relations in political set – up.
- b) Military influence on National Policy.
- c) Armed Forces aid to Civil Power.

##### **REFERENCES**

- 1) Shankar Rao, C.N., Sociology, New Delhi: S. Chand and Company, 1997.
- 2) Goode, W.J., Principles of Sociology, New Delhi: T M H Publishing Co. Ltd., 1977.
- 3) Koithara, Varghese, Society, State and Security: Indian Experience, New Delhi: Sage, 1996.
- 4) Johnson, John, Role of Military in Underdeveloped Countries.
- 5) Morris Janowitz, Sociology and Military Establishment.
- 6) Jewaki, Androze S, Military Organisation and Society.
- 7) Grille, Race, Class and Militar

### **Course Outcomes:**

Chapter 1: From this chapter, one will have learnt about the concept and types of society.

Chapter 2: From this chapter, one will have learnt about the Evolution of State System.

Chapter 3: From this chapter, one will have learnt about the evolution and definition of Militarism.

Chapter 4: From this chapter, one will have learnt about the concepts of leadership.

Chapter 5: From this chapter, one will have learnt about the Civil – Military Relations.

**CORE PAPER - 10**  
**STRATEGIC THOUGHT**

**Subject Description:**

This paper provides basic knowledge about the concepts of selected Strategic Thinkers.

**Goals:**

To understand the thoughts of famous Strategic Thinkers that has relevance even in the present day context.

**Objective:**

To make the students realize the role of Strategic Thought in Policy Formation.

**Unit - I: Introduction**

- a) Concept of Strategic Thought.
- b) Concept of Non–Violence by Gandhi.
- c) Concept of Non–Alignment by Nehru.

**Unit - II: Linkages between War and Politics**

- a) Concepts of Machiavelli.
- b) Concepts of Jomini.
- c) Concepts of Clausewitz.

**Unit - III: Strategic Thoughts on Land Warfare**

- a) Vauban.
- b) Schlieffen.
- c) Von Moltke.

**Unit - IV: Strategic Thoughts on Sea Warfare**

- a) Chola's Theory of Sea Power.
- b) Maratha's Theory of Sea Power.
- b) A.T.Mahan's Theory of Sea Power.

**Unit - V: Strategic Thoughts on Air Power**

- a) Concepts of Douhet.
- b) Concepts of Mitchel.
- c) Concepts of Servesky.

**REFERENCES**

- 1) E.M. Earle (ed), Makers of Modern Strategy: Military Thought from Machiavelli to Hitler, 1948.
- 2) Paret, Peter (ed.), Makers of Modern Strategy , ( Princeton, 1986 )
- 3) Murray, Williamson, Knox, Mac Gregor, and Bernstein, Alvin (eds.), The Making of Strategy,(Cambridge,1994).
- 4) Weller, Jac, Weapons and Tactics (London, 1966).
- 5) Fuller, J.F.C., the Foundations of the Science of War (London, 1925).
- 6) Tripathi, K.S., Evolution of Nuclear Strategy, (Delhi,19

**Course Outcomes:**

Chapter 1: From this chapter, one will have learnt about thebasics of Strategic Thought

Chapter 2: From this chapter, one will have learnt about theLinkages between War and Politics.

Chapter 3: From this chapter, one will have learnt about theStrategic Thoughts on Land Warfare.

Chapter 4: From this chapter, one will have learnt about theStrategic Thoughts on Sea Warfare.

Chapter 5: From this chapter, one will have learnt about theStrategic Thoughts on Air Warfare.

## **CORE PAPER - 11**

### **NUCLEAR WARFARE**

#### **Objective**

To introduce the student to the concept of Nuclear Technology, Weapons, Power and Politics.

#### **Goals:**

The student will develop the capability to understand the evolution of Nuclear Technology, Nuclear Weapons - the implications of use and threat of use. This paper will also have a mention about Missiles, Delivery systems and Nuclear Theories. It will also highlight the Treaties (Nuclear Weapons), India's Nuclear Programme and Nuclear Test and Explosions for Peaceful purposes.

#### **Unit - I: Introduction**

- a) The evolution of Nuclear Era since 1945.
- b) Basics of Nuclear Energy and Technology.
- c) Effects of Nuclear Explosion.

#### **Unit - II: Delivery Systems**

- a) Missiles, Types and Effects.
- b) Triad.
- c) Tactical Nuclear Weapons.

#### **Unit - III: Nuclear Warfare Theories**

- a) Preventive War and Pre-emptive War Strategy
- b) Massive Retaliation and Flexible Response.
- c) Counter Value, Counter Force and Mutually Assured Destruction (MAD) and Mutually Assured Survival (MAS).

#### **Unit - IV: Nuclear Weapon Treaties**

- a) Unilateral Treaties (PTBT, NPT and ABM).
- b) Bilateral Treaties (SALT-I, SALT-II and START).
- c) Multilateral Treaties (CTBT).

#### **Unit - V: Nuclear Strategy**

- a) The Impact of Nuclear Weapons on Strategy
- b) Strategy of Deterrence
- c) Nuclear Strategies since 1945

#### **REFERENCES**



- 1) Cochran, Thomas, Arkin, William, and Hoenig, William, Nuclear Weapons Databook ( 5 vols., Cambridge, Mass, 1984).
- 2) Glasstone, S., and Dolan, P.J., The Effects of Nuclear Weapons (Washington, 1977).
- 3) Grace, Charles, Nuclear Weapons: Principles, Effects and Survivability (London, 1994).
- 4) Brodie, Bernard, Strategy in the Missile Age (Princeton, 1959).
- 5) Lee, R.G., Guided Weapons (London, 1988).
- 6) Pande, S., CTBT : India and the Nuclear Test Ban Treaty, New Delhi: Cosmo, 1994.
- 7) Pande, S., Future of NPT, New Delhi: Lanser, 1995.
- 8) Mistry, D., Containing Strategic Missile Proliferation, Seattle: University of Washington Press, 2005.

**Course Outcomes:**

Chapter 1: From this chapter, one will have learnt about the basics of nuclear era.

Chapter 2: From this chapter, one will have learnt about the nuclear weapon Delivery Systems.

Chapter 3: From this chapter, one will have learnt about the Theories of Nuclear Warfare.

Chapter 4: From this chapter, one will have learnt about the Nuclear Weapon Treaties.

Chapter 5: From this chapter, one will have learnt about the Nuclear Strategy.

## **CORE PAPER - 12**

### **DEFENCE ECONOMICS**

#### **Objective:**

To provide a frame work of knowledge relating to the concepts and practice of Defence Economics in Indian context and to make the students understand the application of Economic principles in the Defence sector.

#### **Unit - I: Introduction**

- a) Definition of Economics.
- b) Types of Economic Systems – Their Merits and Demerits.
- c) Defence Vs Development.

#### **Unit - II: Defence Budget**

- a) Concept of Finance, Revenue and Expenditure.
- b) Budgetary Process, National Income, Gross National Product and Gross Domestic Product.
- c) Analysis of India's Defence Budget for the past five years.

#### **Unit - III: Defence Planning**

- a) Concept of Defence and Important of Defence Planning.
- b) System Analysis – Its Utility in Defence Planning.
- c) Cost Effectiveness and Choice of Weapons System.

#### **Unit - IV: Defence Production**

- a) Classification of Defence Requirements.
- b) Role of Ordnance factories, Public and private Sector undertakings in Defence Production.
- c) Role of Defence Research and Development Organization (DRDO) in Defence Production

#### **Unit - V: Effects of War on Economy**

- a) Inflation: Balance of Trade and Balance of Payment.
- b) Mobilization of Resources for War efforts.
- c) Growth of Science and Technology.

#### **REFERENCES**

- 1) Subramaniam,K., Defence and Development, Calcutta:Minerva,1973.

- 2) Deger,S., Military Expenditure in the Third World: The Economy Effects, London:Routledge,1986.
- 3) Kennedy, Gavin,The Military in Third World, New York: Scribners, 1974.
- 4) Khanna,D.D., and P.N.Mehrotra, Defence Verses Development: Case Study of India, New Delhi:Indus Publishing Company,1993.
- 5) Subramaniam,K., Perspectives in Defence Planning, New Delhi:ABC Publishers.
- 6) Shaw and Scilevsky, Mobilizing Resources for War.

**Course Outcomes:**

Chapter 1: From this chapter, one will have learnt about the basics of Defence Economics.

Chapter 2: From this chapter, one will have learnt about the Defence budget.

Chapter 3: From this chapter, one will have learnt about theDefence Planning.

Chapter 4: From this chapter, one will have learnt about theDefence Production.

Chapter 5: From this chapter, one will have learnt about theEffects of War on Economy.

# **INTERNAL ELECTIVE - I**

## **PAPER - 1 (to choose one out of 3)**

### **A. WARFARE IN INDEPENDENT INDIA**

#### **Objective:**

To provide a frame work of knowledge relating to the concepts of Warfare in India after independence and to make the students understand the causes and results of the events.

#### **Unit - I: Kashmir Operation 1947-48**

- a) Causes.
- b) Outline of Events.
- c) Result and Lessons Learnt.

#### **Unit - II: Chinese Aggression 1962**

- a) Causes.
- b) Outline of Events.
- c) Result and Lessons Learnt.

#### **Unit - III: Indo – Pak Conflict 1965**

- a) Causes.
- b) Outline of Events.
- c) Result and Lessons Learnt.

#### **Unit - IV: Liberation War 1971**

- a) Causes.
- b) Outline of Events.
- c) Result and Lessons Learnt.

#### **Unit - V: Kargil Operations 1999**

- a) Causes.
- b) Main Events.
- c) Result and Lessons Learnt.

#### **REFERENCES**

1. Prasad, S.N., and Dharampal, History of Operations in Jammu and Kashmir, ( 1947 - 48 ), History Division, Ministry of Defence, Govt. of India, New Delhi, 1987.
2. Sinha, S.K., Operation Rescue - Military Operations in JandK 1947-48, Delhi : Vision, 1977.
3. Maxwell, Neville., India's China War, New Delhi: Orient Longman, 1972.

4. Kaul, B.N., Untold Story, Delhi : Allied, 1967.
5. Palit, D.K., War in High Himalaya: The Indian Army in Crisis, 1962, Delhi: Lancer, 1991.
6. Menon, V.K. Krishna, India and the Chinese Invasion, Bombay: Contemporary, 1963.
7. Brig. John, P. Dalvi, Himalayan Blunder, New Delhi: Nataraj, 1967.
8. Mankekar, D.R., 22 Fateful Days, New Delhi: Vikas, 1967.
9. Maj. Sitaram Johri, The Indo - Pakistan Conflict of 1965, Lucknow: Himalayas, 1967.
10. Moosa, M., My Version, India - Pakistan War, 1965, Lahore, 1983.
11. Maj. Gen. D.K. Palit, Lightning Campaign, New Delhi: Thompson Press, 1972.
12. Lt. Gen. J.F.R. Jacob, Surrender of Dacca, New Delhi: Manohar, 1997.
13. Lt. Gen. A.A.K. Niazi, Betrayal of East Pakistan, Karachi: Oxford University Press, 1990.
14. Brig. A.A.K. Choudary, September, 1965, Karachi: Oxford University Press, 1990.
15. Vice. Admiral N. Krishnan, No way but Surrender, Delhi: ABC Publishers, 1989.
16. The Kargil Committee Review Report, From Surprise to Reckoning, New Delhi: Sage, 2000.
17. Gen. V.P. Malik, Kargil: From Surprise to Victory, New Delhi: Harper and Collins, 2006.
18. Gaurav, G. Sawant, Dateline Kargil, New Delhi: Vikas, 2007.

**Course Outcomes:**

Chapter 1: From this chapter, one will have learnt about the causes of Kashmir Operation in 1947-48.

Chapter 2: From this chapter, one will have learnt about the Chinese Aggression in 1962.

Chapter 3: From this chapter, one will have learnt about the Indo – Pak Conflict in 1965.

Chapter 4: From this chapter, one will have learnt about the Liberation War in 1971.

Chapter 5: From this chapter, one will have learnt about the Kargil Operations in 1999.

# **INTERNAL ELECTIVE - I**

## **PAPER - 1**

### **B. MILITARY GEOGRAPHY**

#### **Objective:**

To provide a frame work of knowledge relating to the concepts of Geography that connected with military and to make the students understand the application, factors of military role in geography.

#### **Unit - I: Introduction**

- a) Meaning and Nature of Military Geography.
- b) Scope of Military Geography.
- c) Elements of Military Geography- Earth Size, Shape, Location, Climate, Topography and Population.

#### **Unit - II: Evolution of Military Geography**

- a) History and Development.
- b) Founders of Military Geography - F. Ratzal, A.T. Mahan,
- c) Sir. Halfred Mackinder, Karl Haushofer, N.J. Spykman.

#### **Unit - III: Inter-State relations and Geographical factors**

- a) Frontiers and Boundaries - Meanings and Differences, Types, Boundary Making and Functions.
- b) Communication Routes- Land, Sea and Aerial- Strategic scope.
- c) Population and Power.

#### **Unit - IV: Geography and Foreign Policy of India**

- a) India's Geo-strategic Significance - Location, Size, Shape, Climate, Topography and Resources.
- b) India's Borders - Nature and Characteristics of Land Border and Maritime Boundary.
- c) Indian Ocean Territory and Strategic Significance.

#### **Unit - V: Applied Military Geography**

- a) Global Positioning System (GPS).
- b) Global Information System (GIS).
- c) Remote Sensing.

#### **REFERENCES**

- 1) Das, S.T., Geo-Strategies, Allahabad:Kitab Mahal,1985.
- 2) Black, Jeremy, Cambridge Illustrated Atlas, Warfare, Renaissance to Revolution: 1492-1792, (Cambridge: Cambridge University Press, 1996).

- 3) Chandler, David G., Atlas of Military Strategy: The Art, Theory and Practice of War, 1618-1878, (1980 reprint, London: Arms and Armor, 1996)
- 4) William D Puleston, The Life and Work of Alfred Thayer Mahan, U.N.S. (New Haven, CT, 1939)
- 5) Earl Meade, Edward, Makers of Modern Strategy: Military Thought from Machiavelli to Hitler, 1948.

**Course Outcomes:**

Chapter 1: From this chapter, one will have learnt about the concept and elements of military geography.

Chapter 2: From this chapter, one will have learnt about the Evolution of Military Geography.

Chapter 3: From this chapter, one will have learnt about the Inter-State relations and Geographical factors.

Chapter 4: From this chapter, one will have learnt about the Geography and Foreign Policy of India.

Chapter 5: From this chapter, one will have learnt about the Applications in Military Geography.

# **INTERNAL ELECTIVE - I**

## **PAPER - 1**

### **C. ESSENTIALS OF PUBLIC ADMINISTRATION**

#### **Objective:**

This paper introduces the discipline of Public Administration; its Methods and Scope. It introduces the Structure and Functions of the Union and State Administration, the Organization, Principles and Public Management through the Administrative Services.

#### **Unit - I: Introduction**

- (a) Meaning, Nature, Scope and Importance of Public Administration.
- (b) Evolution of Public Administration.
- (c) Public Administration and other Social Sciences.
- (d) Public Administration: Arts or Science.

#### **Unit - II: Union Administration**

- (a) President.
- (b) Prime Minister's office.
- (c) Central Secretariat.
- (d) Organization of Ministers.

#### **Unit - III: State Administration**

- (a) Governor.
- (b) Chief Minister's Office.
- (c) State Secretariat.
- (d) Organization of Ministers.

#### **Unit - IV: Organization - Principles**

- (a) Hierarchy and Span of Control.
- (b) Unity of Command.
- (c) Centralization and De-centralization.
- (d) Coordination.

#### **Unit - V: Public Management**

- (a) Principles of Management- Motivation, Communication, Decision-making and Leadership.
- (b) All India Services - Indian Administrative Service (IAS), Indian Police Service (IPS), Indian Foreign Service (IFS) and other Central Services.
- (c) State Administration- Collectors., Superintendent of Police, Tahsildars and BDOs.
- (d) Centre - State Relations.

## **REFERENCES**



- 1) Maheswari, S.R., Indian Administration, New Delhi:Orient Longmans,2005.
- 2) Baghwan, Vishnoo and VidyaBhushan, Indian Administration, New Delhi: S.Chand and Co, 2005.
- 3) Arora and RajniGoyal, Indian Public Administration, New Delhi:Wishwa Prakashan,2006.
- 4) Avasthi and S.R.Maheshwari, Principles of Public Administration, New Delhi:LakshmiNarain Agarwal,1990.
- 5) Tyagi, A.R., Principles of Public Administration, New Delhi:Atma Ram,1990

**Course Outcomes:**

Chapter 1: From this chapter, one will have learnt about the basics of Public Administration.

Chapter 2: From this chapter, one will have learnt about theAdministration of Union Government.

Chapter 3: From this chapter, one will have learnt about theAdministration of State Government.

Chapter 4: From this chapter, one will have learnt about theOrganization and Principles in administration.

Chapter 5: From this chapter, one will have learnt about thePublic Management.

# **SKILL BASED SUBJECT**

## **PAPER - 3**

### **CONFLICT AND MEDIA**

#### **Objective:**

To provide a frame work of knowledge relating to the concepts of Conflicts related to Media and to make the students understand the application, and role of Media in Security aspects.

#### **Goals**

After undergoing this course, the student will be in a position to - understand the importance and role of Media in a Conflict Situation, such as the impact and Public perception and opinion besides Implications of Media on National Security and vice versa; and know the Media Ethics in detail.

#### **Unit - I:**

- a) Conflict and Media: Concept, Meaning and Definition.
- b) Role of Media in International Conflict.

#### **Unit - II:**

- a) Media Types: - Print, Audio, Video and Internet.
- b) Political, Sports, Financial and Entertainment.
- c) Civic Affairs.

#### **Unit - III:**

- a) Information Age and Changing Dimensions of Conflict.
- b) Increasing Impact of Media on Society and States.

#### **Unit - IV:**

- a) National Security and Role of Media.
- b) Role of Media in Conflicts: Indian Perspective.

#### **Unit - V:**

- a) Terrorism and Media.
- b) Media Ethics and Laws Regarding Conflict.

### **REFERENCES**

1. Allen Tim and Seaton Jean, eds., (1999) *The Media of Conflict: War Reporting and Representations of Ethnic Violence*, University of Chicago Press.
2. Andrew Hoskins, Ben O'Loughlin (2010) *War and Media: The Emergence of Diffused war*, John Wiley andons.
3. Carruthers Susan, (2000) *The Media at War: Communication and Conflict in the Twentieth Century*, St.Martin's Press, New York.
4. DayaKishanThussu, Des Freedman, (2003) *War and the Media: Reporting Conflict 24/7*, Sage Publications, California.

**Course Outcomes:**

Chapter 1: From this chapter, one will have learnt about the basic concepts of Media.

Chapter 2: From this chapter, one will have learnt about the types in Media.

Chapter 3: From this chapter, one will have learnt about the impacts on Media in the society.

Chapter 4: From this chapter, one will have learnt about the role of media during conflicts.

Chapter 5: From this chapter, one will have learnt about the ethics of media.

**SEMESTER - VI**  
**CORE PAPER – 13**  
**NATIONAL SECURITY OF INDIA**

**Objective:**

To provide a frame work of knowledge relating to the concepts of National security of India and to make the students understand the threats, relations and interests in security aspects.

**Unit - I: Concept of Security**

- a) Meaning, Definition and Objectives.
- b) Elements of National Security.
- c) Kinds of National Security.

**Unit - II: Threats to National Security**

- a) Meaning and Definition.
- b) Threat Perception.
- c) Types of Threats and Threats to India.

**Unit - III: India's Strategic Relations with its Neighbors**

- a) Pakistan.
- b) China.
- c) South Asian Neighborhood.

**Unit - IV: India's Strategic Relations with External Powers**

- a) United States of America.
- b) Russia.
- C) European Powers.

**Unit - V: India's Interest in Asia**

- a) India and West Asia
- b) India and ASEAN
- c) India and Indian Ocean.

**REFERENCES**

- 1) Barry, Buzan, People, State and Fear: The National Security Problems in International Relations, Sussex; Wheatsheaf Books, 1983.
- 2) Bajpai, U.S., (ed) India's Security: The Politico-Strategic Environment, New Delhi: Lancers Books, 1983.
- 3) Dixit, J.N., AccrossBorders: Fifty Years of India's Foreign Policy, New Delhi: Picus Books, 1998.
- 4) Satish Kumar, (ed), Yearbook on India's Foreign Policy, New Delhi: Deep and Deep, 1993.
- 5) Jayaramu, P.S., India's National Security and Foreign Policy, New Delhi: ABC Publishers, 1978.
- 6) Kaul, T.N., India and the New World Order, Vol. 1, New Delhi: Gyan, 2000.

- 7) Kux, Dennis, *Estranged Democracies: India and the United States 1941 - 1991*, New Delhi: Sage Publications, 1994.

**Course Outcomes:**

Chapter 1: From this chapter, one will have learnt about the Concept of Security.

Chapter 2: From this chapter, one will have learnt about the Threats to National Security.

Chapter 3: From this chapter, one will have learnt about the India's Strategic Relations with its Neighbors.

Chapter 4: From this chapter, one will have learnt about the India's Strategic Relations with External Powers.

Chapter 5: From this chapter, one will have learnt about the India's Interest in Asia.

## **CORE PAPER - 14**

### **INTRODUCTION TO INTERNATIONAL LAW**

#### **Objective:**

To provide a frame work of knowledge relating to the concepts of International Law and to make the students understand the application and factors of Laws in International Affairs.

#### **Goals:**

The paper 'Introduction to International Law' is based on the International Law related to Wars and Conflicts on Land, Sea and Air. It also throws light on the Laws of Neutrality, Contraband, Blockades, Prize Courts and the role of International Court of Justice.

#### **Unit - I: Introduction**

- a) Definition of International Law – Its History and Development.
- b) Nature, Source and Codification.
- c) Relationship between International Law and Municipal Law.

#### **Unit - II: Laws of war-I**

- a) Peaceful means of Settlement of International Disputes.
- b) Cohesive means of Settlement of International Disputes.
- b) War – Its Legal Character and Effects.

#### **Unit - III: Laws of war-II**

- a) Laws of Land Warfare.
- b) Laws of Maritime Warfare.
- c) Laws of Aerial Warfare.

#### **Unit - IV: Laws of Neutrality**

- a) Laws of Neutrality.
- b) Right of Angary.
- c) Contraband and Doctrine of Continuous Voyage.

#### **Unit - V: Legal Mechanisms**

- a) Concept, Establishments and Kinds of Blockade, Penalties for breach of Blockade.
- b) Role and Importance of Prize Courts.
- c) Role and Functions of International Court of Justice.

## **REFERENCES**

- 1) Tandon, M.P, and Rajesh Tandon, an Introduction to International Law, Allahabad: Allahabad Law Agency, 1987.
- 2) Kapoor, S.K., International Law, Allahabad; Allahabad Law Agency, 1989.
- 3) Chavan, R.S., An Approach to International Law, New Delhi: Sterling, 1971.
- 4) Starke, J., An Introduction to International Law. Oppenheim, International Law.

**Course Outcomes:**

Chapter 1: From this chapter, one will have learnt about the concept of International Law.

Chapter 2: From this chapter, one will have learnt about the laws in International Disputes.

Chapter 3: From this chapter, one will have learnt about the laws in land, sea, air warfare.

Chapter 4: From this chapter, one will have learnt about the Laws of Neutrality.

Chapter 5: From this chapter, one will have learnt about the Legal Mechanisms.

## **CORE PAPER - 15**

### **ARMS CONTROL AND DISARMAMENT**

#### **Objectives:**

An overview of '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.

#### **Goals**

The paper 'Arms control and Disarmament' will be focusing on the risk of proliferation of Nuclear Weapons and how the Defence Mechanism can be updated to face the challenges of war making in the 21st century. This had made the majority of traditional concepts of war to become irrelevant and obsolete.

#### **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 Disarmament.
- 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. United Nations' Perception on Disarmament and Arms Control.
- b. Major efforts of the United Nations.
- c. Limitations of the United Nations.

#### **Unit - IV: Major Treaties on Disarmament**

- a. Partial Test Ban Treaty, Nuclear Non-Proliferation Treaty.
- b. Strategic Arms Limitation Treaty (SALT-I and SALT-II).
- c. Intermediate – Range Nuclear Forces Treaty, Strategic Arms Reduction Treaty (START) and Outer space.



## **Unit - V: Role and contributions of India towards Disarmament and Arms control**

- a. Non Aligned Movement.
- b. Nuclear Weapon Free Zones (NWFZ) and Zone of Peace.
- c. Nehru, Indira Gandhi and A.B.Vajpayee.

### **REFERENCES**

- 1) Subramaniam, K., Nuclear Proliferation and International Security, New Delhi: Lancer, 1986.
- 2) Pande, S., Future of NPT, New Delhi: Lancer, 1995.
- 3) Pande, S., CTBT: India and the Nuclear Test Ban Treaty, New Delhi: Cosmo, 1994,
- 4) Mistry, D., Containing Strategic Missile Proliferation, Seattle: University of Washington Press, 2005.
- 5) Cohen, S.P., Nuclear Proliferation in South Asia: The Prospects for Arms Control, New Delhi: Lancer, 1994.
- 6) Bhattachatya, D.C., International Relations since the Twentieth Century, Kolkata: Vijaya Publishing House, 2001.

### **Course Outcomes:**

Chapter 1: From this chapter, one will have learnt about the basics of Arms Control actions.

Chapter 2: From this chapter, one will have learnt about the Efforts towards Disarmament from Treaty of Westphalia to WWII.

Chapter 3: From this chapter, one will have learnt about the efforts of UN in Disarmament.

Chapter 4: From this chapter, one will have learnt about the Major Treaties on Disarmament.

Chapter 5: From this chapter, one will have learnt about the India's role in disarmament.

## **INTERNAL ELECTIVE**

### **PAPER – 2 (to choose one out of 3)**

#### **A. SPECIALIZED WARFARE**

**Subject Description:** This paper describes the various types of Warfare.

**Goals:** To understand the different types of wars waged by states at large.

**Objective:**

After completing the paper the students will understand the types of war prevalent in the world.

#### **Unit - I: Psychological Warfare**

- a) Definition and Nature of Psychological Warfare.
- b) Types of Propaganda.
- c) Brain washing and its Effects.
- d) Rumor: Nature and Techniques.

#### **Unit - II: Biological and Chemical Warfare**

- a) Concept and Objectives.
- b) Characteristics.
- c) Types of Agents and Methods of use.
- d) Recent Trends.

#### **Unit - III: Guerilla Warfare**

- a) Concept and Objectives.
- b) Characteristics of Guerilla Warfare.
- c) Elementary knowledge of Insurgency and Counter Insurgency

#### **Unit - IV: Nuclear Warfare**

- a) Concept and Origin of Nuclear Warfare.
- b) Effects of Nuclear Flash, Thermal Radiation and Nuclear Radiation.
- c) Elementary knowledge of Missiles, ICBMs, and MIRVs.

#### **Unit - V: Terrorism**

- a) Definition and Causes
- b) Naxalism in India.

c) Types and Techniques of Terrorism.

## **REFERENCES**

- 1) Philip M. Taylor, *Munitions of the Mind: War Propaganda from the Ancient World to the Nuclear Age*, (Wellingborough, 1990)
- 2) Qualter, T.H., *Propaganda and Psychological Warfare*, (New York, 1962)
- 3) SIPRI, *The Problem of Chemical and Biological Warfare* (4 Vols, New York, 1971)
- 4) Brown, F.J., *Chemical Warfare : a Study in Restraint*, ( Princeton,1968)
- 5) Walter Laqueur, *Guerilla*, ( London,1977)
- 6) Fairbairn, G., *Revolutionary Guerilla Warfare* (Harmondsworth,1974)
- 7) Asprey, R.B., *War in the Shadows* (London,1975)
- 8) Lawrence Freeman, *The Evolution of Nuclear Strategy* (London,1981)  
Herbert Feis, *The Atomic Bomb and the End of War*

### **Course Outcomes:**

Chapter 1: From this chapter, one will have learnt about the concept of Psychological Warfare.

Chapter 2: From this chapter, one will have learnt about the concept of Biological and Chemical Warfare.

Chapter 3: From this chapter, one will have learnt about the concept of Guerilla Warfare.

Chapter 4: From this chapter, one will have learnt about the concept of Nuclear Warfare.

Chapter 5: From this chapter, one will have learnt about the concept of Terrorism.

## INTERNAL ELECTIVE

### PAPER – 2

#### B. WARFARE AND TECHNOLOGY

**Subject Description:** This paper describes the various types of Technology in Warfare.

**Goals:** To understand the different types of technology used in warfare.

**Objective:**

After completing the paper the students will understand the types of technology used in warfare.

**Unit - I: Introduction**

- (a) Historical Evolution of Warfare.
- (b) Evolution of Science and Technology.
- (c) Synergy of warfare and science and technology.

**Unit - II: Science and technology and its Scope**

- (a) Science and Technology: Military and Non-military Applications and Dual usage.
- (b) Industrial Revolution and New Technologies- Internal Combustion Engine (Steam engine), Radio, Electricity and Radar.
- (c) Emerging Technologies- Nuclear science, Oceanography, Space Technology and Electronics.

**Unit - III: Weapons Technology and Warfare**

- (a) Weapons of Land Warfare: Types of Arms and Armaments and Artillery.
- (b) Naval Weapons: Types of Ships, Aircraft Carrier, Submarines and Torpedoes.
- (c) Aerial War Weapons: Types of Aircrafts, Missiles, Satellites and Radars.

**Unit - IV: Emerging Technologies and Warfare**

- (a) Information Technology and Communication Warfare.
- (b) Robotics and Cyber War.
- (c) Revolution in Military Affairs (RMA).

**Unit - V: Weapons Technology and India**

- (a) Pioneering Institutions and its Contributions.
- (b) Science and Technology Policy of India.
- (c) Defence and Research Development Organisation (DRDO): Its role in Weapons Development.

## REFERENCES

- 1) AjeyLele, Strategic Technology for the Military, New Delhi: Sage, 2009.
- 2) Gopalakrishnan, K.V., Impact of Science and Technology on Warfare, New Delhi: National Book Trust, 2003.
- 3) Buzan, Barry., An Introduction to Strategic Studies: Military Technology and International Relations, New York: St.Martin Press, 1987.
- 4) Kelin, John. Space Warfare: Strategy, Principles and Policy' London: Routledge, 2006.
- 5) Nair, K.K., Space the Frontier of Modern Defence, New Delhi: Knowledge World, 2006.
- 6) Pruthi, R.K. (ed). Robotic Warfare, Delhi: Prashant Publishing House, 2009.
- 7) Rappert, Brain (ed), Technology and Security: Governing Threats in the New Millennium, New York: Hamshire, Palgrave Macmillan, 2007.

### Course Outcomes:

Chapter 1: From this chapter, one will have learnt about the basics of Evolution of Warfare and technology.

Chapter 2: From this chapter, one will have learnt about the scope of Science and technology.

Chapter 3: From this chapter, one will have learnt about the Weapons Technology in Warfare.

Chapter 4: From this chapter, one will have learnt about the Emerging Technologies in Warfare.

Chapter 5: From this chapter, one will have learnt about the Weapons Technology in India.

## INTERNAL ELECTIVE

### PAPER – 2

#### C. ELEMENTARY STUDY OF THE CONSTITUTION OF INDIA

##### **Objective:**

This paper introduces the student to the Constitution of India and its salient features including the Fundamental Rights and Directive Principles of State Policy. It also focuses on the role and functioning of the Executive, Legislature and the Judicial organs of the Indian Government.

##### **Unit - I: Introduction**

- (a) Meaning and Scope of Constitution.
- (b) Types of Constitutions: Written and Unwritten, Flexible and Rigid, and Unitary and Federal.
- (c) Salient Features of the Constitution of India.
- (d) Fundamental Rights and Directive Principles of State Policy.

##### **Unit - II: The Union Executive**

- (a) The President of India: Qualifications and Election procedure.
- (b) The role of the President.
- (c) The Vice-President of India: Qualifications and Election procedure.
- (d) The role of the Prime Minister.

##### **Unit- III: The Parliament of India**

- (a) Lok Sabha: Its Composition and Function.
- (b) Rajya Sabha: Its Composition and Function.
- (c) Basic Legislative procedures.
- (d) Budget-procedures and Scope.

##### **Unit - IV: The State Administration**

- (a) The Governor: Role and Powers of Governor.
- (b) The Role and Functions of the Chief Minister.
- (c) The State Legislature: Its Role and Functions.

##### **Unit - V: The Constitutional Bodies in India**

- (a) The Role and Functions of the Supreme Court of India.
- (b) The Role and Functions of the Election Commission.
- (c) The Role and Functions of the Comptroller and Auditor General (CAG).
- (d) The Role and Functions of the Union Public Service Commission (UPSC).

##### **REFERENCES**

- 1) Basu, D.D., Introduction to the Constitution of India, 20th edn. Nagpur: LexisNexis, 2008.

- 2) Basu, D.D., Shorter Constitution of India, 14<sup>th</sup> edn, Nagpur: LexisNexis, 2008.
- 3) Arvind P Datar, Constitution of India, 3 Vols, Nagpur: LexisNexis, 2007.

**Course Outcomes:**

Chapter 1: From this chapter, one will have learnt about the basics of Constitution of India.

Chapter 2: From this chapter, one will have learnt about the Executives of Union government.

Chapter 3: From this chapter, one will have learnt about the Parliament of India.

Chapter 4: From this chapter, one will have learnt about the State Administration.

Chapter 5: From this chapter, one will have learnt about the Constitutional Bodies in India.

## **INTERNAL ELECTIVE**

### **PAPER - 3**

#### **(to choose one out of 3) A. DEFENCE MANAGEMENT**

#### **Objectives:**

To introduce the student to the concept of Defence Management, structure, Power and analysis.

#### **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

#### **REFERENCES**

- 1) Knoontz and O'Donnel, Principles of Management, (Printice, 1976)
- 2) Osgood, Robert, Principles of Management, New Delhi: Printice-Hall, 1978.
- 3) Davar,R.S., Management, Delhi: Cosmos, 1975.
- 4) Keatz, James Euerett., Arms Production in the Developing Countries, London: Lexington Books, 1984

#### **Course Outcomes:**

Chapter 1: From this chapter, one will have learnt about thebasics of Defence Management.

Chapter 2: From this chapter, one will have learnt about the structure of Defence organization.

Chapter 3: From this chapter, one will have learnt about the recruitments, trainings of personnel.



Chapter 4: From this chapter, one will have learnt about the valuation of Defence management.

Chapter 5: From this chapter, one will have learnt about the qualities of Defence management.

## INTERNAL ELECTIVE

### PAPER - 3 B. HUMAN RIGHTS

#### **Objective:**

To introduce the student to the rights of humans in various aspects.

#### **Unit – I: Definition and evolution of the concept.**

- (a) Meaning, Nature and Development.
- (b) Three Generation Rights.
- (c) Contributions: Hobbes, Locke, Rousseau and Rawls.

#### **Unit – II: Approaches & Perspectives.**

- (a) Universalistic and Relativist approaches.
- (b) Feminist & Marxist approach.
- (c) Third World Perspective- Gandhian view.

#### **Unit – III: United Nations & Human Rights.**

- (a) U N Charter and the Universal Declaration of Human Rights.
- (b) International Conventions and Covenants.
- (c) Other Protocols.

#### **Unit – IV: Indian Perspective**

- (a) Human Rights in Indian tradition- Civil, Political, Economic, Cultural Rights & Women's Rights.
- (b) Constitutional & Legal framework in India- Human Rights Commission & Special Commission for weaker section.
- (c) Human Rights Education: UNESCO & Montreal Protocol.

#### **Unit – V: Issues and Challenges**

- (a) Human Rights and challenges - ethnic conflict, social & political violence, global terrorism, environmental sources.
- (b) Rights of Refugees.
- (c) Internally Displaced people.

#### **REFERENCES**

- 1) Bajwa, G.S., Human Rights in India: Implementations and Violations, New Delhi: Sterling, 1995.
- 2) Mehta, P.L., Verma, N., Human Rights Under the Indian Constitution, New Delhi : Deep & Deep, 1999.
- 3) Donnelly, Jack. The Concept of Human Rights, New York: St. Martin, 1985.

4) Gibson, John, S., Dictionary of International Human Rights Law, Lanham, MD:

Scarecrow Press, 1996.

5) Sehgal, B.P.S., Human Rights in India: Problems and Prospects, New Delhi: Deep & Deep' 2004.

6) Deshta, S., Deshta, K., Fundamental Human Rights, New Delhi: Deep & Deep, 2003

**Course Outcomes:**

Chapter 1: From this chapter, one will have learnt about the evolution and concept of human rights.

Chapter 2: From this chapter, one will have learnt about the Approaches and Perspectives in human right.

Chapter 3: From this chapter, one will have learnt about the human rights by UN.

Chapter 4: From this chapter, one will have learnt about the human rights in Indian Perspective.

Chapter 5: From this chapter, one will have learnt about the Issues and Challenges in human rights.

## **INTERNAL ELECTIVE**

### **PAPER - 3 C. TERRORISM**

#### **Objective:**

This paper introduces the concept of Terrorism and its manifestations in historical perspective. Motivated organized violence targeting the population and the government threatening the existing social and political order has become very prevalent in today's world. Basic understanding of terrorism is essential to appreciate the events in right perspective.

#### **Unit – I: Introduction**

- (a) Definition and meaning of Terrorism.
- (b) History of Terrorism.
- (c) Nature and Tactics of Terrorism.

#### **Unit – II: Terrorism in perspective**

- (a) Causes of Terrorism.
- (b) Types of Terrorism.
- (c) Levels of Terrorism.

#### **Unit – III: Terrorism and India**

- (a) Kashmir- Cross-border terrorism - Lashkar-e-Toiba; Taliban,
- (b) Extremism in North-East India.
- (c) Naxalites in India.
- (d) Parliament & Mumbai Taj hotel attack.

#### **Unit - IV: International Terrorism**

- (a) Palestinian Issue.
- (b) Irish Issue.
- (c) Sri Lanka- LTTE Issue.
- (d) September 11 attack in the USA.-Al Qaeda.

#### **Unit – V: Terrorism in International Relations**

- (a) War against Terrorism- responses of Major Powers.
- (b) Terrorism and United Nations Organization.
- (c) Terrorism and other International Organizations.

#### **REFERENCES**

- 1) Yonah Alexander, David Carton and Paul Wilkinson, Terrorism: Theory and

Practice, Colorado: West View Press, 1979.

2) Walter Laqueur, Terrorism, Boston: Little Brown and Co., 1977.

3) B.P.Singh, Sehgal, Global Terrorism: Socio-Political and Legal Dimensions, New Delhi: Deep & Deep Publications, 1996.

4) Virender Grover, (ed), Encyclopedia of International Terrorism: Terrorism, History and Development, Vol.1, New Delhi; Deep & Deep Publications, 2002.

5) Virender Grover, (ed), Encyclopedia of International Terrorism: Terrorism in World Countries, Vol.2, New Delhi: Deep & Deep Publications, 2002

### **Course Outcomes:**

Chapter 1: From this chapter, one will have learnt about the basics of terrorism.

Chapter 2: From this chapter, one will have learnt about the perspectives of Terrorism.

Chapter 3: From this chapter, one will have learnt about the Terrorism in India.

Chapter 4: From this chapter, one will have learnt about the International Terrorism issues.

Chapter 5: From this chapter, one will have learnt about the Terrorism in International Relations.

## **SKILL BASED SUBJECT**

### **PAPER - 4**

#### **BASICS OF DEFENCE JOURNALISM**

##### **Objective:**

To prepare the students to handle the specialized field of Journalism with special reference to Defence Journalism.

##### **Goals**

Journalism is the activity of gathering, assessing, creating, and presenting news and information. Journalism can be distinguished from other activities and products by certain identifiable characteristics and practices. Defence Journalism, an integral part of modern day Journalism, has to analyze the love-hate relationship between the Military and the Media. The student will have a clear understanding of what has to be included and excluded in Defence Journalism.

##### **UNIT-I: Introduction**

- a) Journalism: Meaning and Importance.
- c) Defence Writing – Need for specialist.
- d) Defence Journalism – A Profession.

##### **UNIT-II: Defence Journalism**

- a) Meaning and Definition of Journalism and Defence Journalism.
- b) Kinds and Sources of Defence News.
- c) Defence Writing Procedure.

##### **UNIT-III: Defence Reporting**

- a) Format: Language and Grammar.
- b) Forms: Eye witness and Computer Assigned Features.
- c) Concept of Graphics and Animation (Role of Modern Technology).

##### **UNIT-IV: Defence Terminology**

- a) Defence Terms and Abbreviations.
- b) Role and Importance of News organization: Press Trust of India (PTI), Press Council of India (PCI).

##### **UNIT-V: Problem in Defence writing**

- a) Media Ethics.
- b) Media Laws.
- c) Problem in Defence Writing – Political Pressure and Official Secrecy.
- d) Introduction to Defence Journals: SainikSamachar, Trishul, Strategic Digest, Strategic Analysis and so on.

## **REFERENCES**

- 1) Waren, KAgrie., (ed). The Press and the Public Interest, Washington, D.C.: Public Affairs Press, 1968.
- 2) Bhatt, S.C., Practical Journalism, Jaipur: Aavishkar, 2005.
- 3) Dhara, R., Journalism, Calcutta: Industry Publishers, 1945.
- 4) Chatterjee, R.K., Mass Communication, New Delhi: National Book Trust, 1973.

**Course Outcomes:**

Chapter 1: From this chapter, one will have learnt about the basics of Defence Journalism.

Chapter 2: From this chapter, one will have learnt about the procedures in Defence Journalism.

Chapter 3: From this chapter, one will have learnt about the Defence Reporting.

Chapter 4: From this chapter, one will have learnt about the Defence Reporting.

Chapter 5: From this chapter, one will have learnt about the Problem in Defence writing.

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