



# ANNAMALAI UNIVERSITY

## 116 - B.A. DEFENCE AND STRATEGIC STUDIES

Programme Structure and Scheme of Examination (under CBCS)  
(Applicable to the candidates admitted in Affiliated Colleges from the academic year  
2022 -2023 onwards)

Course Code	Part	Study Components & Course Title	Hours/ Week	Credit	Maximum Marks		
					CIA	ESE	Total
		SEMESTER – I					
22UTAML11	I	Language Course - I : Tamil/Other Languages	5	3	25	75	100
22UENGL12	II	English Course - I : Communicative English I	5	3	25	75	100
22UDASC13	III	Core Course - I : Study of War and Peace	5	4	25	75	100
22UDASC14		Core Course - II : Defence Mechanism of India	5	4	25	75	100
22UDASA15		Allied Course - I : Political Theory – I	5	3	25	75	100
22UDASS16	IV	Skill Based Course - I: Computer Applications	3	2	25	75	100
22UENVS18	IV	Environmental Studies	2	2	25	75	100
	Total		30	21			700
		SEMESTER – II					
22UTAML21	I	Language Course - II : Tamil/Other Languages	5	3	25	75	100
22UENGL22	II	English Course - II : Communicative English II	5	3	25	75	100
22UDASC23	III	Core Course - III : Art of Warfare in India – I	5	4	25	75	100
22UDASC24		Core Course - IV: World Military History – I	5	4	25	75	100
22UDASA25		Allied Course - II : Political Theory – II	4	3	25	75	100
22UDASS26	IV	Skill Based Course - II: Industrial Security	2	2	25	75	100
22UVALE27	IV	Value Education	2	1	25	75	100
22USOFS28	IV	Soft Skill	2	1	25	75	100
	Total		30	21			800

### List of Allied Courses

Semester	Course Code	Course Title	H/W	C	CIA	ESE	Total
I	22UDASA15	Political Theory – I	5	3	25	75	100
II	22UDASA25	Political Theory – II	4	3	25	75	100

### Programme Outcomes

1. To provide a Theoretical and Conceptual on India's internal and external security issues.
2. To enable students to develop analytical and skills on issues relating to National Security.
3. To gain Knowledge on the inter-disciplinary dimensions of Strategic affairs.
4. To attain skills on problem solving related to varied and internal and external security issues
5. Ability to develop leadership skills.

<b>SEMESTER: I</b> <b>CORE: I</b> <b>PART: III</b>	<b>22UDASC13: STUDY OF WAR AND PEACE</b>	<b>CREDIT: 4</b> <b>HOURS: 75</b>
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### **Learning Objectives**

The main objectives of this course are:

To enable students to understand the concept, meaning, definition and impact of war and peace

To learn the historical aspects of War and Peace

To provide clarity on the settlement of international disputes

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

**Hours: 15**

- i.) Meaning, nature and scope of Defence and Strategic Studies
- ii.) Relevance and significance
- iii.) Basic concept of war, strategy, Tactics, Campaign, Battle, Security and Defence

#### **Unit II: Concepts of War**

**Hours: 15**

- i.) History of Warfare
- ii.) Causes of war
- iii.) Types of War

#### **Unit III: Principles of War**

**Hours: 15**

- i.) Principles of War
- ii.) Operations of War-Army, Navy and Air force.

#### **Unit IV: Concept of Peace**

**Hours: 15**

- i.) Meaning and definition
- ii.) Role of peace Education and peace Research
- iii.) Concept of peaceful co-existence
- iv.) Concept of Zone of peace

#### **Unit V: Settling International Disputes**

**Hours: 15**

- i.) .Settlement of International Disputes (Amicable means only)
- ii.) International law and peace (peace Treaties and ICJ)
- iii.) Peace Building Measures and peace Movements
- iv.) Role of peace keeping Force.

#### **Course Outcomes**

1. Recall the fundamental concepts of War
2. Understand the basic concepts of Defence and Strategic Studies

3. Aware of Principles, causes of war
4. To gain knowledge about peace research
5. Understand the peaceful settlement of International disputes.

#### **Text Books**

1. War in Modern society, A. Buchan
2. India the search for power, M.K.Chopra
3. Field Marshal, Montgomery, Viscount. A History of Warfare, (London: Collins 1968).

#### **Supplementary Readings**

1. <https://www.britannica.com/topic/War-and-Peace>

<b>Mapping with Programme Outcomes</b>					
<b>COs</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>
<b>CO1</b>	S	S	M	M	M
<b>CO2</b>	M	M	M	M	M
<b>CO3</b>	S	S	M	M	S
<b>CO4</b>	S	M	M	M	S
<b>CO5</b>	S	M	S	S	S

S-Strong; M-Medium; L-Low

<b>SEMESTER: I</b> <b>CORE: II</b> <b>PART: III</b>	<b>22UDASC14: DEFENCE MECHANISM OF INDIA</b>	<b>CREDIT: 4</b> <b>HOURS: 75</b>
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### **Learning Objectives**

- To understand the basic structure and pattern of defence mechanism in India
- To have a basic knowledge and pattern followed in India.
- To understand the organizational structure Indian Armed Forces
- To know how the structure and functions of higher defence organization

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

**Hours: 15**

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

### **Unit II: Army Organization**

**Hours: 15**

- i.) Organization of Army Headquarters, Role of Chief of Army Staff (COAS) and Principal Staff Officer (PSO).
- ii.) Static and Field formation of Indian Army.
- iii.) Arms and Services.
- iv.) Weapons of Indian Army.

### **Unit III: Navy Organization**

**Hours: 15**

- i.) Organization of Naval Headquarters Chief of Naval Staff (CNS) and Principal Staff Officer (PSO).
- ii.) Static and Field formation of Indian Navy.
- iii.) Types of Warships.

### **Unit IV: Air Force Organization**

**Hours: 15**

- i.) Organization of Air Force Headquarters Chief of Airforce Staff (CAS) and Principal Staff Officer (PSO).
- ii.) Static and Field formation of Indian Air Force.
- iii.) Types of Aircrafts.

### **Unit V: Higher Defence Organizations of India**

**Hours: 15**

- i.) Power of the President of India with reference to Defence.
- ii.) Cabinet Committee on Political Affairs (CCPA)
- iii.) Role and Function of Ministry of Defence.
- iv.) Composition and Functions of Defence Committees/National Security Council (NSC).

v.) Chief of Staff Committee and Joint Intelligence Committee

### Course Outcomes

1. From this chapter, one will have learnt the basic understanding of Defence forces.
2. From this chapter, one will have learnt the structure of Indian army.
3. From this chapter, one will have learnt the basic structure of Indian navy
4. From this chapter, one will have learnt the structure of Indian air force.
5. From this chapter, one will have learnt the higher Defence organization of India

### Text Books

1. Venkateswaran, A.L., Defence Organisation in India, New Delhi: Government of India, 1967.
2. Ministry of Defence, Government of India, Indian Armed Forces Year Book, (Annual).
3. Singh, Nagendra, Defence Mechanism of Modern State, New Delhi, 1967.

### Supplementary Readings

1. <https://www.india.gov.in/topics/defence>
2. <https://www.mod.gov.in/>

Mapping with Programme Outcomes					
COs	PO1	PO2	PO3	PO4	PO5
CO1	S	S	M	M	M
CO2	M	M	M	M	M
CO3	S	S	M	M	S
CO4	S	M	M	M	S
CO5	S	M	S	S	S

S-Strong; M-Medium; L-Low

<b>SEMESTER: I</b> <b>SKILL BASED: I</b> <b>PART: IV</b>	<b>22UDASS16: COMPUTER APPLICATIONS</b>	<b>CREDIT: 2</b> <b>HOURS: 45</b>
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### **Learning Objectives**

At the end of the course the candidates will have basic knowledge of computers and how they are used in the Defence.

#### **Unit I: Hours: 09**

Types of computers, Hardware, CPU, Input/output devices, Storage devices System  
Software: Operating Systems, Programming Languages, Application Soft wares,  
Networks: LAN, Wan, Client –Server

#### **Unit II: Hours: 09**

History of internet - Internet and extranet DNS-Connections: Dial - up, ISDN, TI, T3,  
Wireless and satellite -- Communications: e -Mail, chat, Forum and News groups -  
Browsers - search Engines

#### **Unit III: Hours: 09**

Ways and means of preparing and set up and run a presentation

#### **Unit IV: Hours: 09**

- (a) Introduction, Military weapon applications
- (b) System Analysis and weapon selection
- (c) C 3 I and C4 I

#### **Unit V: Hours: 09**

- (a) Pay and Allowance
- (b) Inventory System
- (c) Personnel Management.

### **Course Outcomes**

1. To learn about computers hardware
2. Explain types of computers
3. Discuss about Internet
4. Understand the concept of System Analysis
5. Enumerate the knowledge about Inventory

### **Text Books**

1. Planning and Architectural Design of Modern Command Control Communications and Information Systems -Military and Civilian Applications - By A. Nejat Ince, Cem Evrendilek.

### Supplementary Readings

1. Michael Miller – Computer Basics

<b>Mapping with Programme Outcomes</b>					
<b>COs</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>
<b>C01</b>	S	S	M	M	M
<b>C02</b>	M	M	M	M	M
<b>C03</b>	S	S	M	M	S
<b>C04</b>	S	M	M	M	S
<b>C05</b>	S	M	S	S	S

S-Strong; M-Medium; L-Low

<b>SEMESTER: II</b> <b>CORE: III</b> <b>PART: III</b>	<b>22UDASC23: ART OF WARFARE IN INDIA – I</b>	<b>CREDIT: 4</b> <b>HOURS:75</b>
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### Learning Objectives

- To familiarize the students with the evolution of the art of warfare in India
- To study how the Art of Warfare evolved over a period of time as practiced in different parts of the country
- To know the changes in political governance, nature of threats and advancement in weapon systems.

### Unit I: Warfare in Ancient India

**Hours: 15**

- i.) Types of Wars during Vedic period.
- ii.) Alexander's invasion of India (Battle of Hydaspes).

### Unit II: Military System of the Mauryan Period

**Hours: 15**

- i.) Mauryan Military System
- ii.) Kautilya's Arthashastra- Defence and Interstate Relations -Mandala Theory Six Fold Policy, Espionage System, instruments of Diplomacy

### Unit III: Military System in South India.

**Hours: 15**

- i.) Sangam Age and its military system
- ii.) Military Organization of the Chera, Chola. Pandyas and Pallavas

### Unit IV: Military System of the Gupta Period

**Hours: 15**

- i.) Military Organization of the Guptas.
- ii.) Military organization of Harsha Vardhana.

### Unit V: Rajput Military System

**Hours: 15**

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

### Course Outcomes

1. From this chapter, one will have learnt the types of wars in the Vedic period
2. From this chapter, one will have learnt about the military system of the Mauryan period
3. From this chapter, one will have learnt about the military system in South India
4. From this chapter, one will have learnt about the military system of the Gupta period
5. From this chapter, one will have learnt about the military system of the Rajputs



**Text Books**

1. Famous Battles in Indian history,, Tb Subramaniya
2. A Survey of Indian History, T.M Panikkar

**Supplementary Readings**

1. Das S.T, Indian Military: Its History and Development, Allahabad: Kitab Mahal, 1979
2. Roy, Koushik, From Hydespas to Kargil: A History of Warfare in India from 326 BC to 1999 AD, Delhi, Manohar Publications 2004
3. Anjoli, Nirmal, The Decisive Battles of Indian History, Jaipur: Pointer Publications, 1999

<b>Mapping with Programme Outcomes</b>					
<b>COs</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>
<b>CO1</b>	S	S	M	S	M
<b>CO2</b>	M	S	M	S	M
<b>CO3</b>	S	S	M	M	S
<b>CO4</b>	S	M	M	M	S
<b>CO5</b>	S	M	S	M	S

S-Strong; M-Medium; L-Low

<b>SEMESTER: II</b> <b>CORE: IV</b> <b>PART: III</b>	<b>22UDASC24: WORLD MILITARY HISTORY – I</b>	<b>CREDIT: 4</b> <b>HOURS:75</b>
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### **Learning Objectives**

1. To outline the wars which were fought from 4th century BC to 19th Century AD.
2. To make the students understand the evolution of warfare in the world from early period.
3. To be able to a recite the evolution of warfare from early times.

### **Unit I: Greek Warfare**

**Hours: 15**

- i.) Military system of the Greeks.
- ii.) Greco Persian Wars – with special reference to the Battles of Marathon, Thermopylae and Salamis.
- iii.) Peloponnesian Wars.

### **Unit II: Roman Warfare**

**Hours: 15**

- i.) Military System of the Romans.
- ii.) Punic Wars – with special reference to the Battles of Cannae and Zama.
- iii.) Campaigns of Julius Caesar.

### **Unit III: Warfare in the Middle Ages**

**Hours: 15**

- i.) Crusades – Age of Valour.
- ii.) Mongol Military System.
- iii.) Advent of Gun Powder and its impact on Warfare.

### **Unit IV: Warfare during 16th and 17th Centuries**

**Hours: 15**

- i.) Development of weapons during 16th and 17th centuries.
- ii.) Reforms of Gustavus Adolphus.
- iii.) Siege craft and Fortification – Vauban.
- iv.) Rise of Professional Armies and Navies.

### **Unit V: Napoleonic Warfare**

**Hours: 15**

- i.) French Revolution – Causes and Outcome.
- ii.) Rise of Napoleon.
- iii.) Napoleon's Art of Warfare.
- iv.) Battles of Trafalgar and Waterloo.

### Course Outcomes

1. From this chapter, one will have learnt about the military system of the Greeks
2. From this chapter, one will have learnt about the military system of the Romans
3. From this chapter, one will have learnt about the Crusades and advent of gun powder
4. From this chapter, one will have learnt about the development of weapons in the 16th and 17th centuries.
5. From this chapter, one will have learnt about military genius of Napoleon and the French Revolution.

### Text Books

1. Hundred years of war, Cyril Falls
2. Makers of Modern strategy, Earle mead

### Supplementary Readings

1. Dupey and Dupey, Encyclopaedia of Military History
2. J.F.C. Fuller, A Military History of Western World, New York: Funk and Wagnalls, 1955
3. Neilberg Michael, S. Warfare in World History, London, Routledge, 2001

<b>Mapping with Programme Outcomes</b>					
<b>COs</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>
<b>CO1</b>	S	S	M	S	M
<b>CO2</b>	M	S	M	S	M
<b>CO3</b>	S	S	M	M	S
<b>CO4</b>	S	M	M	M	S
<b>CO5</b>	S	M	S	M	S

S-Strong; M-Medium; L-Low

<b>SEMESTER: II</b> <b>SKILL BASED: II</b> <b>PART: IV</b>	<b>22UDASS26: INDUSTRIAL SECURITY</b>	<b>CREDIT: 2</b> <b>HOURS: 30</b>
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### Learning Objectives

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:

**Hours: 06**

Concept – Meaning – Definition

#### Unit II:

**Hours: 06**

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

#### Unit III:

**Hours: 06**

Recruitment and Selection of Security Forces in Industrial Sector.

#### Unit IV:

**Hours: 06**

Training and Development of Industrial Security Forces.

#### Unit V:

**Hours: 06**

Recent Developments in Industrial Security and Scope for Employment

### Course Outcomes

1. One will have learnt about the basic concept of industrial security.
2. One will have learnt about the safety and standards of industrial security.
3. One will have learnt about the recruitment process of security forces.
4. One will have learnt about the training process of security forces.
5. One will have learnt about the scope of security force for industry.

### Text Books

1. Sharma.R.P., Industrial Security Management, New Age International 2005.
2. R.K. Sinha, Industrial Security Management, Vikas Publishing House PVT-LTD, New Delhi India 2012.

**Supplementary Readings**

1. <https://pdfcoffee.com/chapter-1-introduction-to-industrial-security-pdf-free.html>

<b>Mapping with Programme Outcomes</b>					
<b>COs</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>
<b>CO1</b>	S	S	M	S	M
<b>CO2</b>	M	S	M	S	M
<b>CO3</b>	S	S	M	M	S
<b>CO4</b>	S	M	M	M	S
<b>CO5</b>	S	M	S	M	S

S-Strong; M-Medium; L-Low