



**H.N.B. GARHWAL UNIVERSITY SRINAGAR, GARHWAL**  
**(A CENTRAL UNIVERSITY)**

**(SCHOOL OF EARTH SCIENCE)**  
**DEPARTMENT OF DEFENCE, STRATEGIC AND**  
**GEOPOLITICAL STUDIES**

**SYLLABUS**

**Post-Graduate**  
**(Semester System)**  
**(M.A./M.Sc. in Defence and Strategic Studies)**

**M.A./M.Sc. in Defence and Strategic Studies**

M.A./M.Sc.		I <sup>st</sup> Semester	
Core Paper	Paper Code	Marks	Credit
<b>Paper I</b> : Indian Military History	411161-DSC	100	3
<b>Paper II</b> : National Security	411162-DSC	100	3
<b>Paper III</b> : International Law	411163-DSC	100	3
<b>Paper IV</b> : International Relation and Conflict Resolution	411164-DSC	100	3
<b>Paper V</b> : Strategic Thought (Part I)	411165-DSC	100	3
<b>Practical</b>	411666-DSC-P	100	3
M.A./M.Sc.		II <sup>nd</sup> Semester	
Core Paper	Paper Code	Marks	Credits
<b>Paper I</b> : Indian Art of Warfare upto 1857	412161-DSC	100	3
<b>Paper II</b> : Indian National Security	412162-DSC	100	3
<b>Paper III</b> : Defence Psychology	412163-DSC	100	3
<b>Paper IV</b> : Law of War and Peace	412164-DSC	100	3
<b>Paper V</b> : Strategic Thought (Part II)	412165-DSC	100	3
<b>Practical</b>	412661-DSC-P	100	3
M.A. / M.Sc.		III <sup>rd</sup> Semester	
Core Paper	Paper Code	Marks	Credits
<b>Paper I</b> : Defence Economics (Part I)	413161-DSC	100	3
<b>Paper II</b> : Military Geography	413162-DSC	100	3
<b>Paper III</b> : Concept of War & Peace	413163-DSC	100	3
<b>Practical</b>	413661-DSC-P	100	3
<b>Elective Paper</b>			
The candidates are required to opt any two papers from the following group of papers-			
<b>Group A:</b> The candidates are required to opt any one of the following papers			
<b>Paper IV</b> : Theories of Guerilla Warfare	413461-DSE	100	3
<b>OR</b>			
Disarmament & Arms Control	413462-DSE		
<b>Group B:</b> The candidates are required to opt any one of the following papers			
<b>Paper V</b> : Politics of Indian Ocean	413463-DSE	100	3
<b>OR</b>			
Issue in Himalayan Security	413464-DSE		
M.A./M.Sc.		IV <sup>th</sup> Semester	
Core Paper	Paper Code	Marks	Credits
<b>Paper I</b> : Role of India in International Relations and Conflict Resolution	<b>414161-DSC</b>	100	3
<b>Paper II</b> : Application of Guerrilla Warfare	<b>414162-DSC</b>	100	3
<b>Paper III</b> : Defence Economics (Part II)	<b>414163-DSC</b>	100	3
<b>Practical</b>	<b>414661-DSC-P</b>	100	3
<b>Elective Paper</b>			
The Candidates a required to option any two papers from the following groups of Paper-			
<b>Group A:</b> The candidates are required to option any one of the following papers –			
<b>Paper IV</b> : Theory & Practices of War	<b>414461-DSE</b>	100	3
<b>OR</b>			
South Asia Conflict Co-operation	<b>414462-DSE</b>		
<b>Group B:</b> The candidates are required to option any one of the following papers –			
<b>Paper V</b> : Science Technology & National Security	<b>414463-DSE</b>	100	3
<b>OR</b>			
Issue in Terrorism	<b>414464-DSE</b>		

**Defence and Strategic Studies**

<b>M.A. / M.Sc. I</b>		<b>I<sup>st</sup> Semester</b>	
<b>Core Paper</b>	<b>Paper Code</b>	<b>Marks</b>	<b>Credit</b>
<b>Paper I</b> : Indian Military History	411161-DSC	100	3
<b>Paper II</b> : National Security	411162-DSC	100	3
<b>Paper III</b> : International Law	411163-DSC	100	3
<b>Paper IV</b> : International relation and Conflict Resolution	411164-DSC	100	3
<b>Paper V</b> : Strategic Thought Part I	411165-DSC	100	3
<b>Practical</b>	411666-DSC-P	100	3

**M.A./M.Sc. (Semester-I): Defence and Strategic Studies****Paper I : Indian Military History****Paper Code: 411161-DSC****Theory Paper**

**Course Outcome:** This paper aims at familiarizing the student with the military history of the Indian Subcontinent spanning from the Vedic and Epic Age to the Sultanate Period.

**Unit I**

1. Military System of Vedic and Epic Age (1500-600 BC)
2. Battle of Hydospases (326 BC)

**Unit II**

3. Warfare and Military Organization (600-185 BC) and Kautilyas Philosophy of warfare
4. Age of Guptas and Harsh Vardhana Changes on Hindu Military System

**Unit III**

5. Arab and Turk invasions of India: New Trends of warfare
6. Rajput Military System – Art of warfare with Special reference to the First and Second Battle of Terrain

**Unit IV**

7. Military reforms and Pattern of warfare during the Sultanate Period.

**Books Recommended**

1. The Art of war in Ancient India Calcutta. 1943- P. C Chakravarty
2. War in Ancient India Madras. 1930 – R.C. Dikshit
3. The Indian Military History, - Lallan ji Singh, Parkash Book Depot. Bareilly 243003
4. Kautilya Philosophy of War - Lallanji Singh, Parkash Book Depot. Bareilly 243003
5. Ramayan Kalin Yudh kala, Abhinav Parkashan, Agra, 1980
6. A History of India from Earliest Times to the Present day – Edward, M.
7. Alexander the Great – J F C Fuller
8. Ancient Indian Warfare- S.D.Singh
9. Military History of India – J.N. Sarkar

**M.A./M.Sc. (Semester-I): Defence and Strategic Studies**

**Paper II : National Security**

**Paper Code: 411162-DSC**

**Theory Paper**

**Course Outcome:** This paper introduces a student to the fundamentals of defence and strategic studies like the concepts of National Security, Power, Various Models of International Security etc.

**Unit I**

1. Concept of National Security
2. Concept of Power

**Unit II**

3. National Power and its elements:-
  - A. Tangible elements of National Power, Geography, Population, Natural Resources, Industrial, Agricultural Capacity, Military Strength and Credibility
  - B. Intangible elements of National Power, Leadership, Types of Govt., Ideology, Foreign support and dependency Regulation

**Unit III**

4. Alternative Models of International and Security:-
  - A. Balance of Power
  - B. Collective Security
  - C. Collective Defence
  - D. Non-alignment

**Unit IV**

5. Arms proliferation and Prospects for Arms Control
6. Linkages between Foreign and Defence Policies and domestic development

**Books Recommended**

1. Socio – Economic Development Problem South and South East Asia, Alan S. and Ready G.E
2. Non – Alignments – Bajpai U.S.
3. Indian Nationalism VS. International communism- Bandopadhyaya. J.
4. Afghanistan and British India (1793-1903) Bilgrami A.H
5. India in the 80S – Bose N.S.
6. Indo- Pak Conflict – Brines R.
7. India's Problem of National Security in 70S – Chaudhary J.N.
8. India Land Borders, Problems and Challenges – Chatterjee P.N.
9. India- Pakistan – Choudhary
10. International Relations – Frankel J.
11. National Defence and Security (Publisher Prakash Book Depot. Bareilly) Singh L.J.

**M.A./M.Sc. (Semester-I): Defence and Strategic Studies**  
**Paper III : International Law**  
**Paper Code: 411163-DSC**

**Theory Paper**

**Course Outcome:** This paper will provide the students with an in-depth understanding of International Law in the context of its impact on the relations and security dynamics amongst nations.

**Unit I**

1. Nature and Definition of International Law
2. Sources and Historical development of International Law

**Unit II**

3. Relation between International Law and National Law
4. International Law and third world Perspective

**Unit III**

5. Concept of States and its Types
6. Recognition of States
7. Responsibility of States

**Unit IV**

8. Definition of Neutrality,
  - a) Its Characteristics, Right
  - b) Duties of Neutrals State Intervention

**Unit V**

9. Blockade – Definition, Breach of Blockade, The Long distance blocked
10. Contra band – Meaning and Definition, Absolute and Conditional Contraband.

**Books Recommended –**

1. International Law and Politics of Intervention – Md Shahid, Md Khalid
2. International Law Vol I and II – Oppenheim
3. International Law – J starke
4. International Law – Fenwick
5. International Law – Dhokqalia R.P.
6. Principles of Public International Law – Brownlie Lan
7. The concept of war in contemporary history and International Law – Kotsch.
8. Law of Nations – Brierly
9. An Introduction to the Law of Nation – Oscar Syarliien

**M.A./M.Sc. (Semester-I): Defence and Strategic Studies**  
**Paper IV: International Relations and Conflict Resolutions**  
**Paper Code: 411164-DSC**

**Theory Paper**

**Course Outcome:** This paper familiarizes students with various global security related theories while explaining the relationship between Ideology and Foreign Policy, War and Politics etc. It also covers the impact of the advent of Nuclear Weapons in Security Relations.

**Unit I**

1. System Theory
2. Decision Making Theory
3. Communication Theory
4. Game Theory

**Unit II**

5. Power and National Interest
6. Ideology and Foreign Policy

**Unit III**

7. War and Politics
8. War as an Instrument of National Policy

**Unit IV**

9. North South Conflict
10. Pacific Settlement of Disputes and Collective Security System

**Unit V**

11. Impact of Science and Technology an International Relation
12. Nuclear Weapons and their Impact an International Relation

**Books Recommended:-**

1. War and Peace – Aron, R.
2. Making of the foreign Policy – Frankel, J.
3. Foreign Policy of the world – Thompson, D.
4. Problem of the International Relations – Gibbs, G.
5. Politics Among Nations – Hans, G. Morgenthau
6. International Relation – P.D. Sharma
7. International Politics in Atomic Age – J. H. Herz
8. The Impact of War on International Relations Since 1945 – Lallanji Singh, (Prakash Book Depot, Bareilly 243003)
9. Theoretical Aspects of International Politics – Mahendra Kumar
10. Essays in Politics and International Relations – A. Appadorai
11. Contemporary Theories in International Relations – Hofman
12. Game Theories and the Analysis of International Conflict
13. Sustainable Development – D.D. Khanna
14. Defence Versus – D.D. Khanna
15. A Study of International Relations – Quincy Wright

**M.A./M.Sc. (Semester-I): Defence and Strategic Studies**

**Paper V : Strategic Thought (Part-I)**

**Paper Code: 411165-DSC**

**Theory Paper**

**Course Outcome:** To understand and learn strategic thought, concepts and doctrines propounded by prominent thinkers like Kautilaya's, Machiavelli, Sun-Tzu etc.

**Unit I**

1. Kautilya
2. Sun – Tzu

**Unit II**

3. Niccolo Machiavelli
4. Gustavous Adolphus

**Unit III**

5. Frederick the great
6. Sepsstein Vauban

**Unit IV**

7. Napoleon Bonapart
8. Karl Marx and Frederick Engles

**Unit V**

9. Jomini

**Books Recommended:-**

1. Military Thinkers (Prakash Book depot, Bara Bazar, Bareilly 243003 in Hindi) – Lallanji Singh
2. Kautilya's Philosophy of war - (Prakash Book depot, Bara Bazar, Bareilly 243003 in Hindi) – Lallanji Singh
3. On war – Trasilated by Col. J.J. Graham – Clausewitz
4. Mao – Guerrilla Thoughts – Sammual B. Grifith
5. Selected Work Vol I – Karl Marx and Engles
6. Capital Vol II – Karl Marx

**M.A./M.Sc. (Semester-I): Defence and Strategic Studies**  
**Practical**  
**Paper Code: 411666-DSC-P**

**Course Outcome:** This paper works on enhancing the communication skills of the students through exercises such as group discussions and lectures.

1. News Paper Cutting on National and International affairs during I<sup>st</sup> Semester
2. Give a 10 minute talk on National Affairs
3. Techniques of Group – discussion Covering theme of the following subject –
  - (A) National Security
  - (B) Geo – Strategy
  - (C) Impact of Science and Technology on warfare
4. Sketching following on the map given
  - (A) L.O.C., Macmohan, Siachen Glaciar, Kargil, karakoram Pass, Darras, Batalik
  - (B) Important Pass in Himalayan regions
  - (C) India’s Nuclear Reactor
  - (D) Andaman and Nicobar Island & Lakshadweep



## Defence and Strategic Studies

M.A./M.Sc.

**II<sup>nd</sup> Semester**

<b>Core Paper</b>	<b>Paper Code</b>	<b>Marks</b>	<b>Credits</b>
<b>Paper I</b> : Indian Art of Warfare Up to 1857	412161-DSC	100	3
<b>Paper II</b> : Indian National Security	412162-DSC	100	3
<b>Paper III</b> : Defence Psychology	412163-DSC	100	3
<b>Paper IV</b> : Law of war and Peace	412164-DSC	100	3
<b>Paper V</b> : Strategic Thoughts Part II	412165-DSC	100	3
<b>Practical</b>	412661-DSC-P	100	3

**M.A./M.Sc. (Semester-II): Defence and Strategic Studies**

**Paper I : Indian Art of Warfare Up to 1857**

**Paper Code: 412161-DSC**

### **Theory Paper**

**Course Outcome:** This paper is designed to acquaint the students with the Indian Art of Warfare and covers a wide range of themes like the Military systems of the Mughals, Marathas, Sikhs as well as the East India Company.

#### **Unit I**

1. The Development in Mughal Military system and change in Art of warfare (1526-1707) with Special reference to the battle of Panipat and Khanwa.
2. Causes of the failure of Mughal Military System

#### **Unit II**

3. Maratha Military System with Special Reference to-  
(A) The Third Battle of Panipat (1761 A.D.)  
(B) The Battle of Assaye (1803 A.D.)

#### **Unit III**

4. Sikh Military System with Special reference to the battle of Sobraon (1857 A.D.)

#### **Unit IV**

5. Development of the Presidency Armies under the East India Company
6. Indian War of Independence 1857 A.D.

### **Books Recommended:-**

1. The Indian Military History, Parkash Book Depot Bareilly -243008, Lallan J. Singh
2. The Indian Military History and Principles of war Parkash Book Depot Bareilly -243003 (1985-86) Lallan J. Singh
3. Military System of Marathas (Calcutta)S.N. Sen
4. A. History of India from Earliest time to the present day – Edward M.
5. Fall of Mughal Empire vols I- IV J.N. Sarkar
6. History of India Shipping and Maritime Activities (London 1912) R.K. Mukherjee
7. Ancient Indian Warfare – S.D. Singh
8. Military System of The Marathas – B.K. Majumdar
9. British India 1772-1947 Edward M.

**M.A./M.Sc. (Semester-II): Defence and Strategic Studies**  
**Paper II: Indian National Security**  
**Paper Code: 412162-DSC**

**Theory Paper**

**Course Outcome:** This paper dwells upon the defence policies and problems of pre and post-independence India. It includes a study of the major external conflicts fought by India as well as the internal security challenges in the form of Insurgency. It also looks at the maritime and nuclear security aspects.

**Unit I**

1. Problems and Policy of India's Security and defence in pre- independence period

**Unit II**

2. India's Quest for Security Problems
3. Foreign and defence policies and postures with reference to 1962 Conflict, Kutch Dispute, 1965 Conflict, 1971 War and after

**Unit III**

4. Internal Security of India-
  - (A) Socio, Economic, Political
  - (B) Scientific and Technological
  - (C) Military and Allied aspects

**Unit IV**

5. Security Problems in different region of India with Special reference to Insurgency and Counter Insurgency
6. India in the Strategic environment of Indian Ocean

**Unit V**

7. India's Nuclear Policy
8. Pakistan Nuclear Policy and its implication on India's Security

**Books Recommended:-**

1. Scio – Economic Development Problem South and South East Asia – Alan S, and Ready, G. E.
2. Indian and the Western Indian ocean States Toward Region –Ali S. H and Ramchandani, R.R.
3. Selected Documents on India's Foreign Policy and Relations 1947-72 Appadurai, A
4. Northern Frontier of India – Bajpai, S.C.
5. Making of India's Foreign Policy Bandipadhya, J.
6. In the wake of Naxalbari – Banerjee, S.
7. India in Perspective Issues – Basu, D.N.
8. India and U.S. – Bose, N.S.
9. India and world Politics Krishna Menon's View of the world- Breacher, M.
10. Indo Pak Conflict – Brines, R.

11. On an India Border – Chopra, P.N.
12. Naxalite Movement – Das Gupta, B.
13. Essays on India's Foreign Policy – Doctor, A. H
14. Basic documents in the development of Modern India and Pakistan 1953-1947 Dobbin C.E
15. Punjab, Northwest Frontier Province and Kashmir –Dorie, J.
16. Towards Closer Indo Soviet Cooperation- Dutt, S.
17. Himalayan Battle Ground, Sino – Indian rivalry Ladakh .- Fisher, M.W. and others .

**M.A./M.Sc. (Semester-II): Defence and Strategic Studies**  
**Paper III: Defence Psychology**  
**Paper Code: 412163-DSC**

**Theory Paper**

**Course Outcome:** This paper helps students develop a fundamental understanding of the field of Defence Psychology. This includes its evolution and relevance, themes like leadership and morale as well as the concept of Psychological Warfare.

**Unit I**

1. Development of Defence Psychology and its Relevance in Defence Problem

**Unit II**

2. Factors in Adjustment during Army life Psychological, Defence and Escape Mechanism
3. Problems of Adjustment of ex-soldiers

**Unit III**

4. Leadership – Nature Function Types and emergence of a Leader Military Leadership Grid
5. Moral – Nature: Determinates and techniques of boosting Morale

**Unit IV**

6. Psychological warfare
  - (A) Nature, Types and techniques of civil propaganda
  - (B) Nature, techniques, merits and demerits of Rumor, its impact on war and society
  - (C) Brain Washing

**Books Recommended**

1. Psychology for the Armed Services – Boring E.G.
2. Psychological warfare Lienbarger
3. Human Factor Engineering – Mac Cormich
4. Psychology and the Soldier, Bartlett, F.C.
5. Air war and Emotional Stress. Hennings
6. Frontier of Psychology. Mann, J.
7. Thought, Reform and Psychology of Totalism
8. Coercive Persuasion – Schein, E.H.
9. Techniques of Persuasion – Brown J.F.C.
10. Social Psychology of war and Peace A. May Mark
11. Men under Stress. – Ginkar, R.R.
12. Psychology for the armed forces. – Raj Narayan.

**M.A./M.Sc. (Semester-II): Defence and Strategic Studies**  
**Paper IV: Law of War and Peace**  
**Paper Code: 412164-DSC**

**Theory Paper**

**Course Outcome:** This paper introduces the concepts of War and Peace and their implications. It also covers themes such as war crimes, dispute resolution, role of the United Nations etc.

**Unit I**

1. Meaning and Definition of war and Peace
2. War and its effect

**Unit II**

3. Law of war
  - (A) Land warfare
  - (B) Law of Air warfare
  - (C) Law of Sea warfare
  - (D) Law of Nuclear warfare

**Unit III**

4. War Crimes
5. Settlement of Disputes

**Unit IV**

5. International Terrorism and International Law
6. U. N. Organization and its Peace Keeping Role

**Books Recommended:–**

1. Legal control of International Conflicts – Stone Julious
2. Modern International Law of war – Castern
3. Study of war Vol. I and II
4. The Relativity of war and Peace Vol. I and II – Carb

**M.A./M.Sc. (Semester-II): Defence and Strategic Studies**  
**Paper V : Strategic Thought Part II**  
**Paper Code: 412165-DSC**

**Theory Paper**

**Course Outcome:** This paper provides insights on various prominent theories on warfare including Mahan's views on Maritime Power, Douhet's views on Air Warfare, Mao's views on Guerilla Warfare among others.

**Unit I**

1. A.T. Mahan
2. Mackinder

**Unit II**

3. Douhet
4. Ludden Dorff

**Unit III**

5. Hitler
6. Marchal foch

**Unit IV**

7. J.F.C.
8. FullarLiddle Hart
9. H. Delbruck

**Unit V**

10. Mao – Tse – Tung
11. Che - Guevara

**Books Recommended:-**

1. Command of the Air – Douhet
2. The Essentials of Military Knowledge – D. K. Palit
3. Makers of Modern Strategy – Peter Paret
4. Evolution of Tactic – Gilbert
5. Deterrent and Defence – Liddle Hart
6. Article London Time , Dated – 25-26 Oct 1937

**M.A./M.Sc. (Semester-II): Defence and Strategic Studies**

**Practical**

**Paper Code: 412661-DSC-P**

**Course Outcome:** This paper enhances the domain awareness of the students by engaging in various exercises to study current security issues. It also includes a field trip to a security establishment or a border area.

1. New Paper Cutting a National and International affairs during II<sup>nd</sup> semester.
2. Give 10 minute talk on National & International affairs
3. Sketching following on the world map
  - (A) Nuclear Nations
  - (B) Developed Nation
  - (C) Commonwealth of Independent States
  - (D) G-15
  - (E) OPEC
  - (F) G-4
  - (H) NATO
  - (I) ASEAN
  - (J) SAARC
4. Field Excursions/ Tour Report

Note: - In view of the courses of the National Security and Area Studies, the students are required to visit the installation of military significance so as to enable them to understand the ground realities. Based on the field study the students have to prepare their respective reports and the candidate would be examined at the time of practical examination of the subject. The University may provide financial assistance to teacher- in charge and the students of the concerned tour. Non – Teaching staff may be given financial help in this regard.

M.A./ M.Sc.		III <sup>rd</sup> Semester		
Core Paper	Paper Code	Marks	Credits	
<b>Paper I</b> : Defence Economics (Part I)	413161-DSC	100	3	
<b>Paper II</b> : Military Geography	413162-DSC	100	3	
<b>Paper III</b> : Concept of war & Peace	413163-DSC	100	3	
<b>Practical</b>	413661-DSC-P	100	3	

### Elective Course

The Candidates are required to option any two papers from the following groups of courses-

**Group A:** The candidates are required to option any one of the following papers -

<b>Paper IV:</b> Theories of Guerilla Warfare	413461-DSE	100	3
OR			
Disarmament & Arms Control	413462-DSE		

**Group B:** The candidates are required to option any one of the following papers –

<b>Paper V:</b> Politics of Indian Ocean	413463-DSE	100	3
OR			
Issue in Himalayan Security	413464-DSE		

### M.A./M.Sc. (Semester-III): Defence and Strategic Studies

#### Paper I: Defence Economics (Part I)

**Paper Code: 413161-DSC**

#### Theory Paper

**Course Outcome:** This paper aims to develop the foundational knowledge of Defence Economics. This includes the study of various economic systems, economic theories of defence, war potential of a nation as well as defence budget.

#### Unit I

1. Economic System: From industrial revolution to modern times
  - A. Capitalism
  - B. Socialism
  - C. Mixed Economy

#### Unit II

2. Economic Theories of Defence
  - A. Adam Smith
  - B. D. Ricardo
  - C. F.W. Hirst
  - D. J.M. Keynes

#### Unit III

3. War potential of a Nation, Natural, Physical, Industrial and Man Power
4. Problems of defence in relation to the limitation of resources



#### **Unit IV**

5. Determinants of Defence Budget Defence and Development
6. Mobilization of Resources for Defence Methods for Mobilization
7. Trends of Defence Budget in India

#### **Books Recommended –**

1. Indian Economy its nature and Problems – Ghosh Alka
2. The British war Economy – Murphy
3. The Economic Problems in war and Peace – Robinson L.R.
4. The New Economic of National defence – Clerk J.J.
5. Problems of Economic Development – Mehat, J.K.
6. Problems of Capital formation in developed Countries – Nurkso Ranger
7. Defence Economics – Gavin Kennedy
8. Defence Production and Development – Agrawal, R.K.

**M.A./M.Sc. (Semester-III): Defence and Strategic Studies**

**Paper II : Military Geography**

**Paper Code: 413162-DSC**

**Theory paper**

**Course Outcome:** This paper will provide the students an in-depth understanding of the domain of Military Geography. This paper also includes a geographical study of India's Border Regions as well as India's border disputes among other important themes.

**Unit I**

1. Scope and Importance of Geo-Strategy & Geopolitics
2. Role of Geography in Military applications

**Unit II**

3. Evaluation of Geographical environment, Military implications of Terrain.
4. Changes in transport and Communication Technology and geographical Changes

**Unit III**

5. Geographical Study of India's Border regions
  - A. Northern regions of India
  - B. Central regions of India
  - C. Western regions of India

**Unit IV**

6. Military Geography and Defence Problems:-
  - A. Nature of boundaries and Causes of Conflict among nations land and sea Frontiers,
  - B. Sino-Indian, Indo-Pak, Indo-Bangladesh border disputes and India Continental Strategy with her neighbors

**Books Recommended:-**

1. Himalayan Kingdoms – P. Karant and M. Jenkins
2. Himalayan Border Land – Ram Rahul
3. Sikkim and Bhutan - Cloude & White
4. Security in South Asia – S.P. Choen
5. National Defence – Prof. Harvrer Sharma
6. National Defence & Security – Prof. Lallanji Singh
7. Dust for an International order with Indian Ocean – Prof. K.P. Mishra
8. Indian Ocean and Regional Security – Lt. Col. B Singh
9. Indian Ocean Conflict and Regional Cooperation – A. Majeed,
10. Politics of the Indian Ocean – K.R. Singh

**M.A./M.Sc. (Semester-III): Defence and Strategic Studies**

**Paper III: Concept of War and Peace**

**Paper Code: 413163-DSC**

**Theory Paper**

**Course Outcome:** This paper introduces to the students, the basic concepts of War, its nature and categorisation. This also covers the concept of Peace, Peace Keeping and Resolution of Internal Disputes etc.

**Unit I**

1. Basic Concepts of war  
(A) Nature of war  
(B) Strategy, Grand Strategy, Tactics.

**Unit II**

2. Categorization of War – Civil war, Cold war, Limited war, Total war, Guerrilla war, Low Intensity war

**Unit III**

3. Causes and Principles of war
4. War as an Instrument of State Policy

**Unit IV**

5. Meaning and Definition of Peace
6. Concept and Theories of Peace keeping and Peace building
7. Mechanics of war and Peace, Amicable Settlement of International disputes, Peace Treaties,

**Books Recommended:-**

1. Aron, R. – War & Peace
2. L. J. Singh – Problems of war & Peace
3. Wright Quincey – Study of war Vol. I & II
4. Carb – The Relativity of War & Peace
5. M.N. Gotovine – Conflicts in Space
6. Anlutio, J. Echevarra – Imagining Future war, War & Technology and History
7. Fadilya B.L. – International Relation
8. Fadilya B.L. – International Law

**M.A./M.Sc. (Semester-III): Defence and Strategic Studies**

**Research Methodology**  
**Paper Code: 413661-DSC-P**

**Paper IV: Practical**

**Course Outcome:** This paper aims to acquaint the students with the themes and concepts of Research in social sciences. It attempts to clarify the role of theory and fact in social science research and also to familiarize the student with the basic elements of the scientific methods of research.

This introduces the students to various tools and approaches used in social sciences and the formulation of a Research Framework.

1. Nature of Social Sciences and Research
2. Recent trends in Social Science Research
3. Descriptive and Historical Methods
4. Scientific Approaches
5. Planning a research Project

## **Elective Course**

The Candidates are required to option any two papers from the following groups of courses-

**Group A:** The candidates are required to option any one of the following papers:

### **M.A./M.Sc. (Semester-III): Defence and Strategic Studies**

#### **Paper IV: Theories of Guerrilla warfare**

**Paper Code: 413461-DSE**

#### **Elective Course (01)**

**Course Outcome:** This paper will provide the students with an in-depth understanding of Guerrilla Warfare. This paper covers the history, theory and characteristics of guerrilla warfare as well as its relevance in the Nuclear age.

#### **Unit I**

1. Revolutionary wars and Guerrilla
2. Warfare History and Theory of Guerrilla warfare

#### **Unit II**

3. Three intangibles of Guerrilla warfare  
(A) Time Space and Will  
(B) Characteristic of Guerrilla warfare

#### **Unit III**

4. Characteristic of Guerrilla warfare, Special criteria governing Guerrilla warfare, Environment, Unity of movement Community support Security, division of function and proximity
5. Strategy and Tactics of Guerrilla warfare

#### **Unit IV**

6. Unconventional warfare in the nuclear era

#### **Books Recommended –**

1. The Nature of Revolutionary Guerrilla war – Griffith, S.B.
2. Hand book of intelligence and Guerrilla warfare – (University of Michigan Press 1963)  
Oblov Alaxandera
3. Che Guerillas – James, Darial
4. Chhapamar Yudh (Hindi) May Sita Ram Jauhri
5. Fundamentals of Guerrilla warfare – Abdul Haris Nasution
6. Guerrilla warfare on war – Baljit Singh and others
7. Insurgency and Counter Insurgency – Anand V.K.

**M.A./M.Sc. (Semester-III): Defence and Strategic Studies**  
**Paper IV: Disarmament & Arms Control**  
**Paper Code: 413162-DSE**

**Elective Course (02)**

**Course Outcome:** This paper aims to familiarize the students with the concept of Disarmament and Arms Control. This course looks at the history of Disarmament while also looking at the national policies of various important nations on arms control.

**Unit I**

1. Basic Concept & Theory
  - (A) Concept of Disarmament and Arms Control
  - (B) Objective and Condition of Disarmament

**Unit II**

2. Historical Survey of Disarmament Efforts
  - (A) Under League of Nation
  - (B) Under U.NO.

**Unit III**

3. National Policies in Arms Control, Disarmament and Nonproliferation –
  - (A) United States, (B) Russia, (C) China, (D) UK, (E) France.

**Unit IV**

4. National Policies and Arms Control, Disarmament and Nonproliferation –
  - (A) India (B) Pakistan, (C) North Korea, (D) Iran (E) Iraq.

**Unit V**

5. Terrorism and Nuclear Proliferation

**Books Recommended:-**

1. India's Nuclear Policy Disarmament and International Security – S.K. Mishra
2. Nuclear Weapons : A Changing Facade of war
3. Chemical Weapons – Parsad S. K.
4. Nuclear India Pakistan and Present world order- Bennison G.M.ETC
5. Nuclear Power and The Spread of Nuclear weapons – LEVENTHAL P. ETC
6. Nuclear Strategy The Doctrine of Just war – WARMER S.F. ETC
7. Nuclear Test Explosion YADAV M. S.
8. Real world Nuclear Deterrence – Coleman D.C. ETC

**Group B:** The candidates are required to option any one of the following courses / papers –

**M.A./M.Sc. (Semester-III): Defence and Strategic Studies**

**Paper V: Politics of Indian Ocean**

**Paper Code: 413463-DSE**

**Elective Course (01)**

**Course Outcome:** This paper acquaints the students with the Geography and Politics of the Indian Ocean Region. This course also examines the interest of external powers, UNO and littoral states in the Indian Ocean.

**Unit I**

1. Indian Ocean and its Geographical Location
2. Importance of Indian Ocean –  
(A) Political (B) Military (C) Economic (D) Strategic

**Unit II**

3. Interest of External Powers in Indian Ocean  
(A) U.S.A. (B) Russia (C) China (D) U.K.

**Unit III**

4. Indian Ocean as a Zone of Peace  
(A) Concept, Definition , Objective  
(B) Role of Super Powers, UNO and Littoral States

**Unit IV**

5. India and Indian Ocean  
(A) Cold war Era  
(B) Post-cold war Era

**Books Recommended:-**

1. India and the Indian Ocean – Chopra, M.K.
2. Indian Ocean and Regional Security – Singh, B.
3. The Indian Ocean and its Islands. Strategic, Scientific and Historical Perspective – Chandra, S. (ed.)
4. The Indian Ocean Region of Conflict or Peace Zone – Braun, D.
5. Intervention of the Indian Ocean – Namboodiri, PKO.
6. Politics of the Indian Ocean – Singh R. K.
7. The Indian Ocean – A Strategic Dimension.- Kaushik D.
8. Sea Power and Indian Ocean – Kohli S.N.
9. Indian Ocean Strategic Thought the Ages. – Bhargava, M.L.
10. India and the Western Indian Ocean States – Ali, S.R. (ed.)
11. The Indian Ocean Power Politics – Raghwan, S.

## **M.A./M.Sc. (Semester-III): Defence and Strategic Studies**

### **Paper V: Issue in Himalayan Security**

**Paper Code: 413464-DSE**

#### **Elective Course (02)**

**Course Outcome:** To learn and understand the key aspects of security in the Himalayan Region. This paper covers the geopolitical and geostrategic importance of the region as well as the specific problems associated with it.

#### **Unit –I**

1. Geo-Strategic & Geo-Polities Importance of Himalayan regions
2. The role of Himalayas in National Security with Special reference to India.

#### **Unit- II**

3. Importance of Indian Border States in maintain Himalayan Security
  - i. North -East region
  - ii. Middle region
  - iii. North -Western regions

#### **Unit III**

4. Problems involved in maintain Himalayan Security
  - i. Transport & Communication
  - ii. Climate
  - iii. Terrain
5. Social, Economic & Political Condition of the regions

#### **Unit IV**

6. Measures required for the Security of the Himalayan regions
  - i. Confidence Building measures
  - ii. Military measures
  - iii. Social & Political measures

#### **Books Recommended:-**

- 1- My Stic Tibet and the Himalaya – K.C. Bhanja
- 2- The social Economy of the Himalaya – S.D. Pant
- 3- The Himalayan Border land – Rahul Rana
- 4- The Himalayan Gazetteer – Atkinson .E.T.
- 5- India China Border Disputes –M.L. Sali
- 6- Himalayan Blunder – J.P. Dalvi
- 7- National Security – Dr. L.J. Singh



M.A./M.Sc.		IV <sup>th</sup> Semester		
Core Paper	Paper Code	Marks	Credits	
<b>Paper I</b> : Role of India in International Relations and Conflict Resolution	414161-DSC	100	3	
<b>Paper II</b> : Application of Guerrilla warfare	414162-DSC	100	3	
<b>Paper III</b> : Defence Economics (Part II)	414163-DSC	100	3	
<b>Practical</b>	414661-DSC-P	100	3	
<b>Elective Course</b>				
The Candidates are required to option any two papers from the following groups of Paper-				
<b>Group A:</b> The candidates are required to option any one of the following papers –				
<b>Paper IV:</b> Theory & Practices of war	414461-DSE	100	3	
OR				
South Asia Conflict Co-operation	414462-DSE			
<b>Group B:</b> The candidates are required to option any one of the following papers –				
<b>Paper V:</b> Science Technology & National Security	414463-DSE	100	3	
OR				
Issue in Terrorism	414464-DSE			
<b>Self-Study</b> (Qualifying) Challenges to India's Internal Security	414091-SS			

**M.A./M.Sc. (Semester-IV): Defence and Strategic Studies**  
**Paper I: Role of India in International Relations and Conflict Resolution**  
**Paper Code: 414161-DSC**

**Theory Paper**

**Course Outcome:** This paper helps the students develop an understanding of the Indian Foreign Policy with emphasis on its security aspects. It also looks at the role of United Nations and other regional organisations.

**Unit I**

1. Main features of India's Foreign Policy
2. India's Security Policy- National and International

**Unit II**

3. Development of International Relations between
  - (A) India and Super Power
  - (B) India and Neighboring Countries

**Unit III**

4. N.P.T. and C.T.B.T

**Unit IV**

5. Regional Conflict and Role of U.N
6. Peace Keeping in International Politics

**Unit V**

7. Regional Organizations (SAARC, EEC, ASEAN)
8. Israel and Indo-Pakistan Conflicts

**Books Recommended –**

1. Indo- U.S. Relations and Peace Prospects in South West Indian ocean – Agrwal A.
2. Indo Tibet Chaina Conflict – Lal, D.
3. International conflicts and Peacemaking Porcess – Chandra S. ETC
4. Pakistan in Regional and Global Politics – Rajshree Jetly
5. U.S. Policy Towards South Asia with Spl. Reference to Indo Pak Politics – Aflab Alam
6. U.S. Military Aid to Pakistan and India Security – Aftab Alam
7. India's Foreign Policy – W. Chiman
8. The Impact of war on International Relation Since 1945 – Lallanji Singh
9. National Defence and Security (P.C.S.) Lallanji Singh
10. India and The Cold war – K.P.S. Menon

**M.A./M.Sc. (Semester-IV): Defence and Strategic Studies**  
**Paper II: Application of Guerrilla warfare**  
**Paper Code: 414162-DSC**

**Theory Paper**

**Course Outcome:** After understanding the basics of Guerilla warfare in the previous semesters, this paper covers various case studies including Insurgency in Vietnam, Indian North-East, Jammu and Kashmir and Naxalism.

**Unit I**

1. Thoughts of Mao-Tse-Tung and Cheguerara, Modern Concepts, Urban Guerrilla and its Philosophers

**Unit II**

2. Insurgency and Counter Insurgency in the Mountains of Indo-China
3. Vietnam Emergency in Malaysia 1948 – 1960

**Unit III**

4. Problems of Insurgency and Counter Insurgency in India
  - (A) North Eastern States
  - (B) Kashmir
5. Causes and examples of Insurgency in the developing Countries

**Unit IV**

6. Naxalite Movement in India its cause and effects

**Books Recommended -**

1. Modern Guerrilla warfare free Press oof Glenace (1963) - Mark Franklin
2. Defeating Communist insurgency (Studies in International Society) – Thompson R.
3. Ruler of Red China – Payne – Mao- Tse –Tung
4. Strategy and Guerrilla warfare - Mao- Tse –Tung
5. Chinese of Concept of war - Mao- Tse –Tung
6. Counter – Guerrilla operations – Valeriano N.D.
7. Counter Insurgency war fear Theory and Prectice – Galula D.
8. Counter Insurgency and the Global war on Terror – Cassidy R. M.

**M.A./M.Sc. (Semester-IV): Defence and Strategic Studies**  
**Paper III: Defence Economics (Part II)**  
**Paper Code: 414163-DSC**

**Theory Paper**

**Course Outcome:** This paper explores various aspects of Defence Economics such as defence production in India and role of DRDO; Economic Warfare, Effects of War etc.

**Unit I**

1. Defence Production in India
  - A. Ordnance Factories
  - B. Defence Public Sector Undertakings

**Unit II**

2. Problems of Imported Technology in Defence
3. Production Role of D.R.D.O. in Defence Production

**Unit III**

4. Economic Warfare: its Techniques and Importance in modern times
5. Economic causes of War

**Unit IV**

6. Effects of War
  - A. Problem of Balance of Payment
  - B. Problem of Rehabilitation

**Unit V**

7. Economics of Conventional V/S Nuclear Weapons
8. System Economics of Disarmament

**Books Recommended –**

1. The Economic warfare – Medicott W. N.
2. Economics of Developments – Singh D. Bright
3. Economics of Defence – Hitch and Mekean
4. Decision making for Defence – Hitch
5. Economics – Samuelson Paul
6. Monetary Theory and Fiscal Policy - Euson

**M.A./M.Sc. (Semester-IV): Defence and Strategic Studies**  
**Practical**  
**Paper Code: 414161-DSC-P**

**Practical (Core)**

**Course Outcome:** This paper will help the student develop their research skills. The experience gained in the process of writing this Masters' dissertation will prepare the student for the pursuit of doctoral research.

**DISSERTATION**

The topic would be decided by the candidate in consultation with respective Supervisors within a broad framework of the research methodology, discipline with particular reference to National Security, International Relations, Area Studies and International Security.

## **Elective Paper**

The Candidates are required to option any two papers from the following groups of courses-

**Group A:** The candidates are required to option any one of the following papers –

### **M.A./M.Sc. (Semester-IV): Defence and Strategic Studies**

#### **Paper IV: Theory and Practices of War**

**Paper Code: 414461-DSE**

#### **Elective Paper (01)**

**Course Outcome:** This paper will cover both theoretical as well as practical aspects of warfare. It includes the study of origins of the two world wars as well as theories of land, sea and air warfare, and concepts like Limited and Nuclear Wars.

#### **Unit I**

1. Meaning Definition and Nature of war

#### **Unit II**

2. Origin and Causes of I world war
3. Origin and Causes of II world war

#### **Unit III**

4. Development of land warfare, the onset, Nature of Trench warfare, armored warfare, with reference of the thoughts of Foch, Fuller and Liddle Hart
5. Development and Application of Air power, with reference to the thoughts of Douhet
6. Sea Power – In the theory and Practices as described by Mahan

#### **Unit IV**

7. Constitutional and Political Problems of Military organization and Policy (1919-1945)  
Britain France & U.S.A

#### **Unit V**

8. Emergence of the Concepts of –
  - a. Limited war
  - b. Guerrilla war
  - c. Nuclear war
  - d. Ecological and Geographical war

#### **Books Recommended:-**

1. A History of Militarism – Alfred Vegts
2. Missiles and the Revolution in warfare –Nels, A. Parson Jr.
3. Defence in the Nuclear Age – Stephen king Hill.
4. Guerrilla Warfare –Mao- Tse – Tung
5. Modern Guerrilla Warfare –Frankin Mark.
6. Conflicts in Space- M.N. Golovine
7. Defence or Retaliation – Schmid Helmut
8. Partisan Warfare – Otto Heilburm.

9. A Military History of the Western world J.F.C. Fuller
10. Military Thinkers – Lallan J. Singh
11. The Impact of war on International Relation Since 1945- Lallan J. Singh
12. The Western Military History (Prakash Book Depot, Bareilly – 243003) Lallan J. Singh

**M.A./M.Sc. (Semester-IV): Defence and Strategic Studies**  
**Paper IV: South Asia Conflict Co-operation**  
**Paper Code: 414462-DSE**

**Elective Paper (02)**

**Course Outcome:** This paper aims to give the students an holistic understanding of the South Asian Region. This paper also covers security relations among the South Asian countries. This will enhance students' ability to understand the contemporary issues of the subcontinent.

**Unit - I**

1. South Asia
  - (A) Geographical Setting
  - (B) Political Setting
  - (C) Social and Cultural Setting

**Unit – II**

2. Power Rivalries in South Asia
  - (A) U.S.A.
  - (B) Russia
  - (C) China

**Unit – III**

3. Problems and Conflicts in South Asian region with Special reference to –
  - (A) India
  - (B) Pakistan
  - (C) Bangladesh
  - (D) Sri lanka
  - (E) Nepal
  - (F) Afghanistan

**Unit – IV**

4. Inter State dispute between
  - (A) India and Pakistan
  - (B) India and China

**Unit – V**

5. Role of SAARC

**Books Recommended:-**

1. Stability in South Asia – A. J. Tellis
2. Conflict and Peacemaking in South Asia – P. Sahaderan
3. Military Geography of South east Asia – A. S. Jodoon
4. South Asia – G. Singh
5. Asian Security in the 21<sup>st</sup> Century – Jasjit Singh
6. Regional Security in South Asia – Jetly
7. Security in South Asia – R.C. Mishra
8. Indian the New Asia Pacific – M.L. Sondhi
9. Nuclear isation in South Asia – R.K. Khilmari
10. Restructuring South Asian Security – V. Saighal



**Group B:** The candidates are required to option any one of the following papers –

**M.A./M.Sc. (Semester-IV): Defence and Strategic Studies**  
**Paper V: Science Technology & National Security**  
**Paper Code: 412165-DSC**

**Elective Paper (01)**

**Course Outcome:** This course will help familiarize students with the relationship between development in the domains of Science and Technology and their implications for National Security. This covers impact of science and technology warfare from the Napoleonic Era to the 21<sup>st</sup> Century.

**Unit – I**

1. The Age of Gun Powder and the beginning of Modern warfare up to Napoleon era
2. Impact of Science and Technology before I world war

**Unit – II**

3. World War I and the Total wars
  - (A) Weapons, doctrines and Tactics of Land warfare
  - (B) Weapons & Tactics in Sea warfare
  - (C) Weapons & Tactics in Air warfare

**Unit – III**

4. Technological development between the world wars I and II in Land, Sea and Air

**Unit – IV**

5. World War II – The birth of Nuclear weapons and Nuclear Doctrines

**Unit – V**

6. Revolution in Military Affairs and its Impact on weapons and warfare
  - (A) Emergence of New Technologies
  - (B) Electronic warfare & its Impact
  - (C) Information warfare
  - (D) Chemical & Biological weapons
  - (E) Nuclear weapons and Missile Technology
7. Emerging New Technologies in Air Force & Navy

**Books Recommended:-**

1. Military Technology and Equipment Technology – Elexander J.
2. Military Transformation and Modern warfare – Sloan E.
3. Military war and Rescue Techniques – Anil K.C.
4. Military war and Rescue Techniques – Dixit A. K.
5. Successful Technology Armed Forces and the Society – Prasad R.

**M.A./M.Sc. (Semester-IV): Defence and Strategic Studies**

**Paper V: Issue in Terrorism**

**Paper Code: 414464-DSE**

**Elective Paper (02)**

**Course Outcome:** This course is designed to acquaint the students with the concept of Terrorism. This paper also compares terrorism with insurgency and looks at it from an Indian and well as global context. It also dwells with various counter measures in the social, legal, philosophical and military domains.

**Unit I**

1. Introduction
  - (A) Interpretations of Terrorism
  - (B) Kinds
  - (C) Terrorist profit

**Unit II**

2. Terrorism differentiated with
  - (A) Insurgency
  - (B) Guerrilla warfare
  - (C) Naxalite Movement

**Unit III**

3. History of worldwide terrorism
  - (A) Indian Context
  - (B) Western Context

**Unit IV**

4. Counter measures
  - (A) Social techniques
  - (B) Legal Methods
  - (C) Philosophical efforts
  - (D) Military Measures.

**Books Recommended:-**

- 1- Terrorism – A.S. Harang
- 2-Nuclear Terrorism – G. Cameron
- 3-Pakistan Insurgency Vs Indians Security – S.S. Beloria
- 4-Terrorism –S.K.Singh
- 5-Strateges to Combat Terrorism –S.C. Arora
- 6- Terrorism and Military – R.kaushall.
- 7- India’s Foreign Policy Challenge of Terrorism – Dixit J.N.
- 8- Global Terrorism – Sheth , P.N.
- 9- Biotechnology Research in Age of Terrorism – Gaur, A.K.
- 10- Kashmir Shadow of Terrorism – Rajawat, M.