

**Department of Defence & Strategic Studies
(School of Earth Science)
H.N.B. Garhwal University Srinagar (Garhwal)
(A Central University)**

Syllabus Post-Graduate (Semester System) (M.A./M.Sc.)

Defence and Strategic Studies

M.A. / M.Sc. I

Ist Semester

Core Paper	Paper Code	Marks	Credit
Paper I : Indian Military History	SOES/DS. -101C	100	3
Paper II : National Security	SOES/DS - 102C	100	3
Paper III : International Law	SOES/DS - 103C	100	3
Paper IV : International relation and Conflict Resolution	SOES/DS - 104C	100	3
Paper V : Strategic Thought (Part I)	SOES/DS - 105C	100	3
Practical		100	3

IInd Semester

Core Paper	Paper Code	Marks	Credits
Paper I : Indian Art of Warfare	SOES/DS. -201C	100	3
Paper II : Indian National Security	SOES/DS. -202C	100	3
Paper III : Defence Psychology	SOES/DS. -203C	100	3
Paper IV : Law of war and Pace	SOES/DS. -204C	100	3
Paper V : Strategic Thoughts Part II	SOES/DS. -205C	100	3
Practical		100	3

M.A. / M.Sc. II

IIIrd Semester

Core Paper	Paper Code	Marks	Credits
Paper I : Defence Economics (Part I)	SOES/DS -301C	100	3
Paper II : Military Geography	SOES/DS -302C	100	3
Paper III : Concept of war & Peace	SOES/DS. -303C	100	3
Practical (Elective Paper)	SOES/DS -P01E	100	3

Elective Paper

The Candidates a required to optional any two papers from the following groups of Paper-

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

Paper IV: Theories of Guerilla Warfare SOES/DS -304E 100 3

OR

Disarmament & Arms Control SOES/DS -305E

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

Paper V: Politics of Indian Ocean SOES/DS -306E 100 3

OR

Issue in Himalayan Security SOES/DS -307E

IVth Semester

Core Paper	Paper Code	Marks	Credits
Paper I : Role of India in International Relations and Conflict Resolution	SOES/DS -401C	100	3
Paper II : Application of Guerrilla Warfare	SOES/DS -402C	100	3
Paper III : Defence Economics (Part II)	SOES/DS -403C	100	3
Practical (Elective Paper)	SOES/DS - P02E	100	3

Elective Paper-

The Candidates a required to option any two papers from the following groups of Paper-

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

Paper IV: Theory & Practices of war SOES/DS -404E 100 3

OR

South Asia Conflict Co-operation SOES/DS -405E

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

Paper V: Science Technology & National Security SOES/DS -406E 100 3

OR

Issue in Terrorism SOES/DS. - 407E

M.A. / M.Sc. I		Ist Semester	
Core Paper	Paper Code	Marks	Credit
Paper I : Indian Military History	SOES/DS -101C	100	3
Paper II: National Security	SOES/DS -102C	100	3
Paper III: International Law	SOES/DS -103C	100	3
Paper IV: International relation and Conflict Resolution	SOES/DS -104C	100	3
Paper V: Strategic Thought Part I	SOES/DS - 105C	100	3
Practical		100	3

Paper I Indian Military History

Unit I

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

Unit II

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

Unit III

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

Unit IV

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

Paper II : National Security

Unit I

Concept of National Security
Concept of Power

Unit II

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

Alternative Models of International and Security:-

- A. Balance of Power
- B. Collective Security
- C. Collective Defence
- D. Non-alignment

Unit IV

Arms proliferation and Prospects for Arms Control
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- Bandopadhyya. 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.

Paper III : International Law

Unit I

Nature and Definition of International Law
Sources and Historical development of International Law

Unit II

Relation between International Law and National Law
International Law and third world Perspective

Unit III

Concept of States and its Types
Recognition of States
Responsibility of States

Unit IV

Definition of Neutrality, its Characteristics, Right and duties of Neutrals State
Intervention

Unit V

Blockade – Definition, Breach of Blockade, The Long distance blocked
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 – Oppenhin
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 Syarlien

Paper IV: International Relations and Conflict Resolutions

Unit I

System Theory
Decision Making Theory
Communication Theory
Game Theory

Unit II

Power and National Interest
Ideology and Foreign Policy

Unit III

War and Politics
War as an Instrument of National Policy

Unit IV

North South Conflict
Pacific Settlement of Disputes and Collective Security System

Unit V

Impact of Science and Technology an International Relation
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

Paper V : Strategic Thought Part I

Unit I

Kautilya
Sun – Tzu

Unit II

Niccolo Machiavelli
Gustavous Adolphus

Unit III

Frederick the great
Sebsstein Vauban

Unit IV

Napolean Bonapart
Karl Marx and Frederick Engles

Unit V

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 – Traslated 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

Practical

1. News Paper Cutting on National and International affairs during Ist 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

IInd Semester

Core Paper	Paper Code	Marks	Credits
Paper I : Indian Art of Warfare Up to 1857	SOES/DS. -201C	100	3
Paper II : Indian National Security	SOES/DS. -202C	100	3
Paper III : Defence Psychology	SOES/DS. -203C	100	3
Paper IV : Law of war and Peace	SOES/DS -204C	100	3
Paper V : Strategic Thoughts Part II	SOES/DS. -205C	100	3
Practical		100	3

Paper I : Indian Art of Warfare Up to 1857

Unit I

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

Unit II

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

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

Unit IV

Development of the Presidency Armies under the East India Company
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.

Paper II: Indian National Security

Unit I

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

Unit II

(A) India's Quest for Security Problems

(B) Foreign and defence policies and postures with reference to 1962 Conflict, Kutch Dispute, 1965 Conflict, 1971 War and after

Unit III

Internal Security of India-

(A) Socio, Economic, Political

(B) Scientific and Technological

(C) Military and Allied aspects

Unit IV

Security Problems in different region of India with Special reference to Insurgency and Counter Insurgency

India in the Strategic environment of Indian Ocean

Unit V

India's Nuclear Policy

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. Panjab, 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 .

Paper III: Defence Psychology

Unit I

Development of Defence Psychology and its Relevance in Defence Problem

Unit II

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

Unit III

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

Unit IV

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.

Paper IV: Law of war and Peace

Unit I

Meaning and Definition of war and Peace
War and its effect

Unit II

Law of war –
(A) Land warfare
(B) Law of Air warfare
(C) Law of Sea warfare
(D) Law of Nuclear warfare

Unit III

War Crimes
Settlement of Disputes

Unit IV

International Terrorism and International Law
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

Paper V : Strategic Thought Part II

Unit I

A.T. Mahan
Mackinder

Unit II

Douhet
Ludden Dorff

Unit III

Hitler
Marchal foch

Unit IV

J.F.C. Fullar
Liddle Hart
H. Delbruck

Unit V

Mao – Tse – Tung
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

Practical

1. New Paper Cutting a National and International affairs during IInd 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. II**IIIrd Semester**

Core Paper	Paper Code	Marks	Credits
Paper I : Defence Economics (Part I)	SOES/DS. -301C	100	3
Paper II: Military Geography	SOES/DS -302C	100	3
Paper III: Concept of war & Peace	SOES/DS. -303C	100	3
Practical	SOES/DS -P01E	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 -

Paper IV: Theories of Guerilla Warfare (SOES/DS No. -304E) 100 3
OR

Disarmament & Arms Control (SOES/DS No. -305E)

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

Paper V: Politics of Indian Ocean (SOES/DS No. -306E) 100 3
OR

Issue in Himalayan Security (SOES/DS No.-307E)

Paper I: Defence Economics (Part I)**Unit I**

Economic System: From industrial revolution to modern times

A. Capitalism

B. Socialism

C. Mixed Economy

Unit II

Economic Theories of Defence

A. Adam Smith

B. D. Ricardo

C. F.W. Hirst

D. J.M. Keynes

Unit III

War potential of a Nation, Natural, Physical, Industrial and Man Power

Problems of defence in relation to the limitation of resources

Unit IV

Determinants of Defence Budget

Defence and Development

Mobilization of Resources for Defence Methods for Mobilization

Trends of Defence Budget in India since

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.

Paper II : Military Geography

Unit I

Scope and Importance of Geo, Strategy & Geopolitics
Role of Geography in Military applications

Unit II

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

Unit III

Geographical Study of India's Border regions

- A. Northern regions of India
- B. Central regions of India
- C. Western regions of India

Unit IV

Military Geography and Defence Problems:-

- B. Nature of boundaries and Causes of Conflict among nations land and sea Frontiers,
- C. 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

Paper III: Concept of War and Peace

Unit I

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

Unit II

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

Unit III

Causes and Principles of war
War as an Instrument of State Policy

Unit IV

Meaning and Definition of Peace
Concept and Theories of Peace keeping and Peace building
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

Practical

Research Methodology

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 -

Paper IV: Theories of Guerrilla warfare

Unit I

Revolutionary wars and Guerrilla warfare
History and Theory of Guerrilla warfare

Unit II

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

Unit III

Characteristic of Guerrilla warfare, Special criteria governing Guerrilla warfare, Environment, Unity of movement Community support Security, division of function and prosumity
Strategy and Tactics of Guerrilla warfare

Unit IV

Unconventional warfare in the nuclear ear

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 Guerars – 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.

OR
Disarmament & Arms Control

Unit I

Basic Concept & Theory

- (A) Concept of Disarmament and Arms Control
- (B) Objectives and Condition of Disarmament

Unit II

Historical Survey of Disarmament Efforts

- (A) Under League of Nation
- (B) Under U.N.O.

Unit III

National Policies in Arms Control, Disarmament and Nonproliferation –

- (A) United States, (B) Russia, (C) China, (D) UK, (E) France.

Unit IV

National Policies and Arms Control, Disarmament and Nonproliferation –

- (A) India (B) Pakistan, (C) North Korea, (D) Iran (E) Iraq.

Unit V

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 –

Paper V: Politics of 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

Interest of External Powers in Indian Ocean

(A) U.S.A. (B) Russia (C) China (D) U.K.

Unit III

Indian Ocean as a Zone of Peace

(A) Concept ,Definition , Objectives

(B) Role of Super Powers, UNO and Littoral States

Unit IV

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 Though 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.

OR

Issue in Himalayan Security

Unit –I

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

Unit- II

Importance of Indian Border States in maintain Himalayan Security

- 1-North -East region
- 2-Middle region
- 3-North -Western regions

Unit III

Problems involved in maintain Himalayan Security

- 1-transport & Communication
- 2-Climate
- 3-Terrain
- 4-Social, Economic & Political Condition of the regions

Unit IV

Measures required for the Security of the Himalayan regions

- 1-Confidance Building measures
- 2-Military measures
- 3-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

IVth Semester

Core Paper	Paper Code	Marks	Credits
Paper I : Role of India in International Relations and Conflict Resolution	SOES/DS -401C	100	3
Paper II : Application of Guerrilla warfare	SOES/DS -402C	100	3
Paper III : Defence Economics (Part II)	SOES/DS -403C	100	3
Practical	SOES/DS - P02E	100	3
Elective Course			
The Candidates are required to option any two papers from the following groups of Paper-			
Group A: The candidates are required to option any one of the following papers –			
Paper IV: Theory & Practices of war	SOES/DS -404E	100	3
OR			
South Asia Conflict Co-operation	SOES/DS -405E		
Group B: The candidates are required to option any one of the following papers –			
Paper V: Science Technology & National Security	SOES/DS -406E	100	3
OR			
Issue in Terrorism	SOES/DS -407E		

Paper I: Role of India in International Relations and Conflict Resolution

Unit I

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

Unit II

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

Unit III

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

Unit IV

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

Unit V

Regional Organizations (SAARC, EEC, ASEAN) 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 China Conflict – Lal, D.
3. International conflicts and Peace making Process – 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 – Aftab 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

Paper II: Application of Guerrilla warfare

Unit I

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

Unit II

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

Unit III

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

Unit IV

Naxalite Movement in India its cause and effects

Books Recommended -

1. Modern Guerrilla warfare free Press o0f 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.

Paper III: Defence Economics (Part II)

Unit I

Defence Production in India

- A. Ordnance Factories
- B. Defence Public Sector Undertakings

Unit II

Problems of Imported Technology in Defence Production

Role of D.R.D.O. in Defence Production

Unit III

Economic Warfare: its Techniques and Importance in modern times

Economic causes of War

Unit IV

Effects of War

- A. Problem of Balance of Payment
- B. Problem of Rehabilitation

Unit V

Economics of Conventional V/S Nuclear Weapons 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

Practical

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 –

Paper IV: Theory and Practices of War

Unit I

Meaning Definition and Nature of war

Unit II

A. Origin and Causes of I world war

B. Origin and Causes of II world war

Unit III

A. Development of land warfare, the onset, Nature of Trench warfare, armored warfare, with reference of the thoughts of Foch, Fuller and Liddle Hart

B. Development and Application of Air power, with reference to the thoughts of Douhet

C. Sea Power – In the theory and Practices as described by Mahan

Unit IV

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

Unit V

Emergence of the Concepts of –

A. Limited war

B. Guerrilla war

C. Nuclear war

D. Ecological and Geographical war

E.

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

OR

South Asia Conflict Co-operation

Unit - I South Asia

- (A) Geographical Setting
- (B) Political Setting
- (C) Social and Cultural Setting

Unit – II Power Rivalries in South Asia

- (A) U.S.A.
- (B) Russia
- (C) China

Unit – III Problems and Conflicts in South Asian region with Special reference to –

- (A) India
- (B) Pakistan
- (C) Bangladesh
- (D) Srilanka
- (E) Nepal
- (F) Afghanistan

Unit – IV Inter State dispute between

- (A) India and Pakistan
- (B) India and China

Unit – V 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 21st 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 –

Paper V: Science Technology & National Security

Unit – I

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

Unit – II

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

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

Unit – IV

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

Unit – V

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
- 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.

OR
Issue in Terrorism

Unit I

Introduction

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

Unit II

Terrorism differentiated with

- (A) Insurgency
- (B) Guerrilla warfare
- (C) Naxalite Movement

Unit III

History of world wide terrorism

- (A) Indian Context
- (B) Western Context

Unit IV

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- Strategies to Combat Terrorism – S.C. Arora
- 6- Terrorism and Military – R. Kaushal.
- 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.