

**SIDDHARTH UNIVERSITY KAPILVASTU
SIDDHARTH NAGAR**

M.A/M.Sc in defence and strategic studies

(Semester System)

SYLLABUS



**Siddharth University, Kapilvastu
Siddharth nagar, Uttar Pradesh, India-272202**

List of Papers

Semester I

Paper I	:	Evolution of Indian Art of War up to 1857
Paper II	:	National Security
Paper III	:	Armament, Disarmament and Arms Control
Paper IV	:	Human Rights and International Law
Paper V	:	Practical and Viva-Voce

Semester II

Paper VI	:	Research Methodology
Paper VII	:	Peace and Conflicts Studies
Paper VIII	:	Insurgency and Terrorism
Paper IX	:	India's National Security and Strategic Spectrum
Paper X	:	Practical and Viva-Voce

Semester III

Paper XI	:	Defence Economics
Paper XII	:	Geo-politics and Military Geography
Paper XIII	:	Science, Technology and National Security
Paper XIV	:	South Asia: Conflict-cooperation Studies
Paper XV	:	Practical and Viva-Voce

Semester IV

Paper XVI	:	Strategic Thought
Paper XVII	:	International Relations
Paper XVIII	:	Politics and Security of the Indian Ocean
Paper XIX	:	Dissertation or conflict and Media or Science and Technology and Non-traditional Security or Refugees and Migration Study
Paper XX	:	Practical and Viva-Voce

Paper I
(Evolution of Indian Art of War up to 1857)

1. Basic concept and a brief survey of the military traditions of India.
2. Military system and Defence Mechanism in Vedic, Puranic and Epic Age.
3. Comparative study of Indo-Greek art of warfare with special Reference to Battle of Hydaspes 326(BC).
4. Maurya's military system, Kautilya's philosophy of war, concept of Defence, Security and Inter-State Relations.
5. Comparative study of Indo-Turk Art of war with special reference to Battle of Terrains (1191&1192AD)
6. Mughal Military System with special reference to Battle of Panipat (1526 AD).
7. Maratha Military System with reference to irregular warfare of Shivaji.
8. Anglo- Maratha war with special reference to Battle of Assaye 1803(AD)
9. Contribution of Maharaja Ranjeet Singh in Evolution of Shikh Military System.
10. Causes & importance of First War of Independence 1857.

(Books & Journals articles recommended by the teachers)

Paper II
(National Security)

1. Evolution of the concept of National Security with reference to contemporary thinking.
2. Components of National Security.
3. Comprehensive Security: meaning and scope
4. Defence, Foreign, Security and Domestic policies: concepts, formulation, objectives and linkages.
5. Defence co-operation, Strategic partnership and security dialogue: new trends in 21st century.
6. Problems of system of Governance and Human Rights.
7. India: threats and challenges from within.
8. National Security in the age of Globalization: new threats and challenges.
9. Civil- Military relations in India.
10. Human Security: concept and dimensions in Indian context.
11. Energy Security: issues in Indian context.
12. Environmental security: Indian scenario.

(Books & Journals articles recommended by the teachers)

Paper III
(Armament, Disarmament and Arms Control Studies)

1. Armament: Meaning, Development and New trends.
 2. Basic Concepts and theories-
 - (i) Concept and correlation between Disarmament & Arms Control
 - (ii) Objectives and conditions of Disarmament & Arms Control.
 - (iii) Elements of Arms Control Mechanism: Agreements, Verification, Inspection, Control.
 3. Measures of Arms Control & Disarrangement.
 4. Weapons of Mass Destruction- Nuclear Weapons. Chemical, Biological and Weather Weapons.
 5. Conventional Disarmament and Arms Control efforts: Regional context.
 6. Concept of Non- Proliferation, NPT, CTBT, PTBT, CB Conventions & other Treaties,
 7. Nuclear Export Control Regimes; IAEA.
 8. National Policies of United States, Russia, China, UK, France towards Nuclear Non- Proliferation and N- Arms control.
 9. National Policies And Approaches towards Nuclear Arms-India, Pakistan, Israel, North Korea, Iran and other Potential Proliferators,
 10. Trends in Military Expenditures: India and the World,
 11. Social and Economic consequences of Disarmament & Arms Control.
- (Books & Journals articles recommended by the teachers)

Paper IV
(Human Rights and International Law)

1. Human Rights: Concept & Nature, Historical Background Origin & Development, Classification
2. Introduction of International Law, Relation between Human Rights & International Law.
3. Universal Declaration of Human Rights, Human Rights in Indian Constitution
4. Concept & theories of Humanitarian Law.
5. Geneva Convention for the Amelioration of the Condition of the Wounded and Sick in Armed Forces in field, at Sea, Protection of Civilian Persons in Times of war, Treatment of Prisoners of war.
6. Peaceful means of Settlement of Disputes
7. Limits on the choice of means and methods of warfare.
8. Modern Developments and Laws of Neutrality
9. General Rules of land, air and sea warfare
10. Blockade: Conception, Breach and Penalties.

Books:-

Human Rights in the Modern World	R.S.Agrawal
Human Rights in India	G.S.Bajwa
Human Rights in Constitutional Law	D.D.Basu
Human Rights in Changing World	Antari Casser
Human Rights	Pr. T.P.Trapathi
Human Rights	Dr. J.J. Ram Upadhyay
Indian Constitution	Dr. J.N.Upadhyay
मानव अधिकार एवं अन्तर्राष्ट्रीय विधि	डा० एस०के० कपूर
मानव अधिकार	डा० एच०ओ० अग्रवाल

(Books & Journals articles recommended by the teachers)

Paper V
(Practical and Viva-Voce)

Students will be expected to mark the areas in the map provided and to write a brief note about the Spots.

1. Zonal Headquarters of Indian Army.
2. Zonal Headquarters of Indian Air force.
3. Important Naval bases and ports of India.
4. Important Nuclear and space Research establishment in India.
5. Defence Research and Development Organization in India.

Paper VI (Research Methodology)

This introduces the students to various tools 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

Paper VII
(Peace and Conflict Studies)

1. Peace and Conflict Studies: Meaning, Nature and Scope
2. Conceptual analysis of Conflict and Peace
3. Conflict management in the regional context
4. Gandhian Approach and its relevance today for Conflict Resolution
5. Causes of war
6. Regional Conflicts and Role of United Nations
7. Confidence & Security Building Measures (CSBM)
8. Peace Building, Peace Making, Peace Keeping and Peace Enforcement
9. Pacific and Coercive Settlement of Dispute
10. Peace Research and Peace Movements
11. Concept and theories of Conflict Resolution; IGOs and NGOs in Conflict Resolutions.

Books recommended:

- K.E.Boulding, Conflict and Defence : A General Theory, Newyork,1962
- Anima Bose (ed), Peace and Conflict Resolution in World Community, New Delhi, 1919
- Bhaskar Roa, Global Perceptions on Peace Education, New Delhi, 1996.
- Peter Ackerman & Jack Duvall, A Force More Powerful : A Century of Non-Violent Conflicts, New York, 2000.

- B. Boutros- Ghali, An Agenda For Peace : Preventive Diplomacy, Peace Making and Peace Keeping, (U.N.Report) New York, 1992.
 - B.U.Bright, Educating for Peace, New York, 1985.
 - Adam Curle, Another Way : A Mechanistic View of War and Peace, Cambridge, 1927.
 - A.C.Dasgupta, Non-Violence : The Invincible Power, Calcutta. 1956.
 - Lewis Caser, Functions of Social Conflict, New York, 1956.
 - J.W.Burton, International Conflict Resolution, New York, 1965.
 - Ghanshyam Purdeshi (Id.), Contemporary Peace Research, New Delhi, 1982
 - Johan Galtung, Struggle for Peace, Ahmedabad, 1984.
 - Johan Galtung, Peace by Peaceful Mean : Peace and Conflict, Development and civilization, Sage Pub, 1996
 - Johan Galtung. Essays in Peace Research, Copenhagen, 1975.
 - Quincy Wright, A Study of War, Chicago, 1965.
- Other books & Journals articles recommended by teachers.

Paper VIII
(Insurgency and Terrorism)

1. Insurgency: concept and principles.
2. Methods and techniques of Guerilla and counter – Guerilla warfare.
3. Impact of Marxist, Leninist and Maoist ideologies on revolutionary movements.
4. Urban Guerilla warfare.
5. Guerilla and counter-Guerilla operations in Malaya and Indo-China.
6. Current trends of Insurgency and counter-Insurgency in South Asia and the role and limitations of Military in counter-Insurgency situations.
7. Terror and Terrorism: concept, characteristics and typology.
8. Methods and techniques of terrorism.
9. Causes of terrorism in India and underlying remedies.
10. Asymmetric warfare in the contemporary age.
11. International terrorism and problems of world peace and security.
12. International and regional arrangements and co-operation for curbing terrorism.

(Books & Journals articles recommended by the teachers)

Paper IX
(India's National Security & Strategic Spectrum)

1. Introduction: Political, Societal, Economic, Religious and Regional Dimensions of Internal conflict in India.
 2. State: Different Models of State Organization
 3. Conflict Prone and conflict resolving States.
 4. Multiculturalism, Pluralism and Diversity.
 5. Nature of Conflict and Conflict resolution in India during pre and post. Independence era Movements.
 6. Agitations; types and nature.
 7. Method of conflict resolutions.
 8. Case Studies, Naxalite Movement, Successful counter insurgency operations in Punjab, Insurgency in North- East Jammu and Kashmir
 9. Regional, Ethnic, Culture Linguistic separatist movements with special reference to Linguistic Movements in Tamil Nadu, Maharashtra, Punjab and Haryana, Gorkhaland and Telangana.
 10. Terror strikes in metro cities as a New challenge to Internal security.
- (Books & Journals articles recommended by the teachers)

Paper X
(Practical and Viva-Voce)

Students will be expected to mark the areas in the map provided and to write a brief note about the Spots.

1. Disputed land Areas with bordering States-

- (a) Pakistan
- (b) China
- (c) Nepal
- (d) Bangladesh

2. Disputed Sea Areas with bordering States-

- (a) Pakistan
- (b) Bangladesh

3. Conflict Zones of South Asia-

- (a) India
- (b) Pakistan
- (c) China
- (d) Nepal
- (e) Bangladesh
- (f) Sri Lanka

**Paper XI
(Defence Economics)**

1. Concept of theories of war – economics war as an economics problem.
2. Economics Potential of war
3. Cost of war
4. Economics Warfare
5. War finance
6. Post- War economy
7. Defence Budget and National Security
8. Defence Production in India
9. Economic Problem and Planning for India Defence
10. The new internal economic order.
11. Comparative Study of Defence Budget of India , Pakistan & China

Books:

The Economics of war
Economic Warfare
सम्पूर्ण सैन्य विज्ञान
यौद्धिक अर्थशास्त्र

Pal Poast

Yuan-li -Wu

पुष्पा जैन

डा० एस०डी० शर्मा

(Other books & Journals articles recommended by the teachers)

Paper XII
(Geo- Politics and Military Geography)

1. Scope and Importance of geopolitics
2. Evolution of Geopolitical Thoughts since 19th Century:
 - (a) Sea Power Theory
 - (b) Land Power Theory
 - (c) Rim Land Theory
3. A.T. Mahan- Concept of Sea Power & Strategy
4. Mackinder – Heart land theory
5. Role of Geography in Military applications
6. Importance and Scope of Logistics : (a) Resources (b) Industries (c) Supply Chain (d) Transportation and Communication
7. Role of Geography in Land Warfare
8. Role of Geography in Sea Warfare
9. Role of Geography in Air Warfare
10. Weather conditions of Sea as factors in amphibious and airborne
11. Military Geography of India, Defence Problems: (a) India's boundaries, terrain in border areas, weather and commoditization, (b) population in border areas and its implications to border security

(Books & Journals articles recommended by the teachers)

Paper XIII
(Science, Technology and National Security)

1. Science, Technology and Society: history and impact of major technological breakthroughs on society.
2. Applicability of Physical, Mathematical and Technical Sciences in the field of defence.
3. Chemical-Biological Sciences and their military utility.
4. Nuclear and Missile Technologies and related developments.
5. Revolution in Military Affairs (RMA) and India's National Security.
6. Advancing military technologies and their impact on weapon development and defence industrialization.
7. International interdependence and transfer of defence technology : Global trends and Indian scenario.
8. Critical & Dual technologies and India's defence needs.
9. DRDO and Indian Defence.
10. Impact of Science and Technology on Conventional Weapon Systems.
11. Computerization and Cyber technologies, Aero-space technologies Marine Technology and Ocean development: Indian scenario.

Books recommended:

- K.E.Boulding, Conflict and Defence : A General Theory, Newyork,1962
- Anima Bose (ed), Peace and Conflict Resolution in World Community, New Delhi, 1919
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- Quincy Wright, A Study of War, Chicago, 1965.

(Other books & Journals articles recommended by teachers)

Paper XIV
(South Asia: Conflict and Co-operation)

1. Geo-Political setting of South Asia.
2. Socio-Cultural and Economic structure of South Asia.
3. Power rivalries in South Asia: USA., USSR., U.K., China during Cold War era.
4. Internal problems & conflicts in South Asian Region-Indias Pakistan, Sri Lanka, Bangladesh, Nepal, Bhutan, Maldives .
5. Afghanistan, Myanmar& China's Strategic importance for South Asia.
6. Regional Co-operation in South Asia under the Aegis of SAARC.
7. Intra- Regional Trade & Balance of Payment.
8. Prospects of Sub regional Co-operation.
9. Role of pressure groups (Religion, Language, Caste, Tribal Groups, Women, Youth, Media) in National Integration.
10. Pattern of Civil-Military Relations in South Asia.

(Books & Journals articles recommended by the teachers)

Paper XV
(Practical and Viva-Voce)

The students will be assigned with the responsibility to prepare/ conduct Computer-based exercised or Computer experiments on selected topic of contemporary relevance in the filed of **National Security** for the following-

- 1- To prepare Computer graphics.
- 2- Lecture on the selected topics.
- 3- Power-Point presentation on the given topic.
- 4- Viva-Voce

Paper XVI
(Strategic Thought)

1. Machiavelli: The Renaissance of the Art of War
2. Napoleon: Element of Napoleonic war, concept of Strategy and Tactics
3. Clausewitz: On war and its relationship with Politics, Strategy and Tactics
4. Jomini: Concept of Mass Army, Strategy, Tactics and Line of Operations.
5. Moltke & Schlieffen: The Prussian-German School of strategic thought
6. Foch: The French School of strategic thought .
7. First- World War: Causes, policies of Allied and Axis Powers, causes of stalemate, use of Tank.
8. Fuller, Liddell Hart: Concept of Armoured and Mechanized Warfare.
9. Second World War: Strategic doctrine and tactics
10. Douhet : Theories of Air Power and Strategic Bombing during W.W.II

(Books & Journals articles recommended by the teachers)

Paper XVII
(International Relations)

1. International relations: meaning, nature and scope.
2. Theories and Approaches:
 - (a) i. Realism
 - ii. Idealism.
 - (b) i. Historical approach
 - ii. Legalistic and institutional approach
 - iii. Utopian or ideal approach
 - iv. Realistic Approach
 - v. Behavioral Approach
 - vi. System Approach
3. Foundation and limitation of National Power, National Interest and Foreign Policy.
4. Theories of Balance of Power and Collective Security.
5. Non- alignment: concept and importance in modern time .
6. Development of international relations between-
 - i- India and USA
 - ii- India and Russia
 - iii- India and China
 - iv- India and Pakistan
7. Cold war: nature and evolution since 1945.
8. New cold war.
9. Regional or organization-SAARC, ASEAN, EEC.
10. Principles of India's foreign policy.

(Books & Journals articles recommended by the teachers)

Paper XVIII
(Politics and Security of the Indian Ocean)

1. Indian Ocean region as a concept and reality.
 2. Coastal states, hinterland states and island:
 - (i) The Political characteristics of the region .
 - (ii) Demographic survey
 - (iii) The sub region
 3. Political, Strategic ,Economic and Military importance of Indian Ocean
 - (i) Ideologies in Indian Ocean
 - (ii) Economic and strategic interdependence of the region.
 - (iii) Super power vs. Middle Powers and militarization of the region
 - (iv) Strategic Importance of the region: Militarily and Economically
 4. Sub- regional Perspective :
 - (i) Persian gulf
 - (ii) Red Sea & Horn of Africa
 - (iii) Eastern and Southern Africa
 - (iv) South Asia
 - (v) Australia and eastern Approaches
 5. Major Sea routes in the region.
 6. Interests of External Powers: USA, Russia, China, Japan , Western Europe.
 7. Future trends and prospects of security in the region .
 8. Navel bases in the Indian Ocean Area during the Cold War and after.
 9. Maritime Strategy of India.
 10. Prospects of Cooperation in the Indian Ocean Region.
- (Books & Journals articles recommended by the teachers)

Paper XIX (ii)
(Science & Technology and Non-Traditional Security)

1. Non-Traditional Security (NTS): concept, nature & scope
2. Science, technology and Indian life: food, nutrition and human health concerns.
3. Energy security and conventional sources.
4. Non-conventional options for India's Energy Security.
5. India's resource base.
6. Use of science and technology for the exploitation of resources in India's civilian sector.
7. Need for the use of science and technology for the exploitation of resources in India's Defence sector.
8. Science and technology and hazards for human life.
9. Technological disasters and risk reduction.
10. Industrial disasters and risk reduction.
11. India's integrated science policy for NTS management.

(Books & Journals articles recommended by the teachers)

Paper XX
(Practical and Viva-Voce)

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