DDU Gorakhpur University,
Gorakhpur.

Department of Defence and Strategic Studies
(Semester System)
MA/M.Sc.

SYLLABUS

**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 (A) : Conflict and Media
- Paper XIX (B) : Science and Technology and Non-traditional Security
  Or
- Paper XIX(C) : Dissertation on any topic of the above papers
- Paper XX : Practical and Viva-Voce
Semester -1

Paper I

Evolution of Indian Art of War up to 1857

Unit-I

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.

Unit-II

1. Comparative study of Indo-Greek art of warfare with special Reference to Battle of Hydespas 326(BC).
2. Maurya’s military system, Kautilya’s philosophy of war, concept of Defence, Security and Inter-State Relations.

Unit-III

1. Comparative study of Indo-Turk Art of war with special reference to Battle of Terrains (1191&1192AD)

Unit-IV

1. Maratha Military System with reference to irregular warfare of Shivaji.
2. Anglo- Maratha war with special reference to Battle of Assaye 1803(AD)

Unit-V


Books recommended -

1- Singh,S.D., Ancient Indian Warfare with special reference to Vadic Period
2- Majumdar,B.K., Military System in Ancient India
3- Majumdar,B.K., Bhartiya Sena Ka Itihas
4- Fuller, J.F.C., Generalship of Alexander the Great
5- Sarkar, J.N., Military History of India
6- Ervin, I., Army of Indian Moghuls
7- Major R.C. Kulshreshtha, Kautilya’s Philosophy of War
8- Bajawa,F.S., The Military System of Sikhs
9- Tripathi,R.P., Rise and Fall of the Moghul Empire
10- Sen,S.N., the Military System of Marathas
11- Prasad R and Singh R.N., Bhartiya Sainya Itihas Ki Ruprekha, 1988
Paper II

National Security

Unit-I

Unit-II
1. Comprehensive Security: meaning and scope

Unit-III
2. India: threats and challenges from within.

Unit-IV
2. Human Security: concept and dimensions in Indian context.

Unit-V

Books & Journals recommended -
1. K. Subramanyam, Our National Security, Economic and Scientific Research Foundation, New Delhi, 1972
5. N. S. Sisodia & C. Uday Bhaskar, Emerging India: Security and Foreign Policy Perspectives, IDSA, New Delhi.

Paper III

Armament, Disarmament and Arms Control Studies

Unit-I
2. Basic Concepts and theories-
   (i) Concept and correlation between Disarmament & Arms Control
(ii) Objectives and conditions of Disarmament & Arms Control.

Unit-II

1. Elements of Arms Control Mechanism: Agreements, Verification, Inspection, Control.

Unit-III


Unit-IV

1. Nuclear policies of Nuclear powers & Non-Nuclear powers w.r.t. Non-Proliferations and Arms Control.
2. Trends in Military Expenditure: India and the world

Unit-V

1. Arms Trade Treaty (ATT) and its implications for Regional &Global Security.

Books & Journals recommended -

1- Emile Beniot & K.E. Bonlding, Disarmament and the Economy, Harper & Raw Publisher, New York, 1963
3- P.K.Mishra, Arms Race Disarmament and Indian Ocean, UDH publishing House, Delhi, 1989
5- Singh V.K., Problems & Prospects of Development through Disarmament, Ph.D thsis, Gorakhpur, 1992
6- SIPRI Year Book
7- Strategic Analysis, IDSA , New Delhi
8- Strategic Digest, IDSA, New Delhi
10- Strategic Survey, 2013-14, IISS, London

Paper IV

Human Rights and International Law

Unit-I

2. Introduction of International Law and Humanitarian Law

Unit-II
1. International law and Rules of Land, Air and Sea Power

2. International Law and Conventions for the wounded and sick in the battle field, protection of civilian rights in times of war, treatment of the prisoners of war.

**Unit-III**

1. Peaceful means of Settlement of International Disputes
2. Limits on the choice of means and methods of warfare.

**Unit-IV**

2. Human Rights in Indian Constitution, Role and Duties of NHRC in India.

**Unit-V**

1. Concept and Theories of Humanitarian Law
2. Concept of Refugee Law

**Books recommended**

1. Human Rights; Pr. T.P.Tripathi, Allahabad Law agency, Allahabad 2002
3. भारत का राष्ट्रीय मान्यताकार आयोग, अक्षय कुमार पलाई तथा पहिले ता. नई दिल्ली, 1999.
4. मान्यताकार: जय जयलम उपाध्याय: शेस्टर ला एजेंसी, इलाहाबाद 2002.
7. मान्यता अधिकार: अंतरराष्ट्रीय परिसर का संकलन: खण्ड 1 व 2 राष्ट्रीय मान्यताकार आयोग प्रकाशन ता. नई दिल्ली 2006.

(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.
Semester -II

Paper VI

Research Methodology

Unit-I
1- Meaning of Research/ Policy Research
2- Types of Research
3- Objective of Research
4- Research Cycle

Unit-II
1- Stages in Research Process
2- What is Research Problem and Questions
3- How to locate a research problem
4- Characteristics of a good research problem
5- Sources of locating a good research problem
6- Kinds of research problem
7- Necessary considerations for selecting a research problem

Unit-III
1- What is hypothesis
2- Types of hypothesis
3- nature and characteristics of scientific Hypothesis
4- Sources of Hypothesis
5- Difference between Research Problem and Research Hypothesis
6- Hypothesis and Theory
7- Functions of Hypothesis

Unit-IV
1- Review of Literature
2- Data Collection Techniques
3- Use of Statistical Methods

Unit-V
1- Analysis & Writing
2- Foot Notes, References & Appendix
3- Bibliography

Books recommended:
1- Bell J.E., Projective Techniques, Longmans, 1948
4- Nachmias D. Research Methods in the Social Sciences, New York, 1981
5- Young P.V., Scientific Social Survey and Research, Prentice Hall of India, 1988
Paper VII

Peace and Conflict Studies

Unit-I

1. Peace and Conflict Studies: Meaning, Nature and Scope
2. Conceptual analysis of Conflict and Peace

Unit-II

1. Conflict management in the regional context
2. Gandhian Approach and its relevance today for Conflict Resolution

Unit-III

1. Causes of war
2. Regional Conflicts and Role of United Nations

Unit-IV

1. Confidence & Security Building Measures (CSBM)
2. Peace Building, Peace Making, Peace Keeping and Peace Enforcement

Unit-V

1. Pacific and Coercive Settlement of Dispute
2. Peace Research and Peace Movements
3. Concept and theories of Conflict Resolution; IGOs and NGOs in Conflict Resolutions.

Books recommended:
2- Anima Bose (ed), Peace and Conflict Resolution in World Community, New Delhi, 1919
3- Bhasksr Roa, Global Perceptions on Peace Education, New Delhi, 1996.
Paper VIII

Insurgency and Terrorism

Unit-I

1. Insurgency: concept and principles.

Unit-II

1. Impact of Marxist, Leninist and Maoist ideologies on revolutionary movements.
2. Urban Guerilla warfare.

Unit-III

1. Guerilla and counter-Guerilla operations in Malaya and Indo-China.
2. Current trends of Insurgency and counter-Insurgency in South Asia and the role and limitations of Military in Counter-Insurgency situations.

Unit-IV

1. Terror and Terrorism: concept, characteristics and typology, methods and techniques
2. Causes of terrorism in India and underlying remedies.

Unit-V

1. International terrorism and problems of world peace and security.
2. International and regional arrangements and co-operation for curbing terrorism.

Books & Journals recommended:

2. T.E. Lawrence, Revolt in the Desert, London, 1927
3. W.P. Lucian, Guerrilla Communism in Malaya, Princeton, 1956
Paper IX

India’s National Security & Strategic Spectrum

Unit-I
1. Freedom struggle and the development of the concept of Nationhood in India
2. Pluralism in India: Strengths and Weaknesses

Unit-II
1. India’s National Security Objectives and Aspirations in a Changing world
2. Contemporary Strategic Environment of India

Unit-III
1. India’s Internal Security Challenges: Nature and Dimensions
2. Domestic and Trans-national terrorism against India: Problems and Options

Unit-IV
1. Insurgency in North East, Jammu & Kashmir, Punjab and Spread of Naxal Violence
2. Counter-Insurgency strategies and successful case studies

Unit-V
1. India’s Technological Prowess as ‘Force Multiplier’
2. Conflict resolution and transformational mechanism in India’s case.

Books & Journals recommended:
5. Col. Ved Prakash, Terrorism in India’s North East, Manas Publication, New Delhi
6. Kapil Kak (ed.), Comprehensive Security for an Emerging India, Knowledge World, New Delhi
10- Bipin Chandra, India Since Independence

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
Semester III

Paper XI

Defence Economics

Unit-I
1. Concept of theories of war economics.
2. Economic warfare
3. Impact of war on economy

Unit-II
1. Economic potential of war and Economic Weapons
2. Cost of war

Unit-III
1. Defence production in India
2. Economic problem and planning for Indian Defence

Unit-IV
1. War Finance
2. Defence Budget and National Security

Unit-V
1. Comparative Study of Defence Budget of India, Pakistan & China
2. The new international economic order – Regional economic groupings

Books Recommended-
2- Economics of war and Peace: Economic Legal and Political perspectives, Edited by Ben Goldsmith, Published : Emerald Group Publishing Limited, Published:01 July 2010, ISBN13:99780857240040
4- Economic Theories of Peace and war (Studies in Defence Economics) by Fanny Coulomb, Publisher: Routledge' Published:24 September, 2004, ISBN 13:9780415284080
5- The Economics of war I Stephen Broadberry (Editor) Mark Harrison(Editor), Publication Date: April 2,2009 ISBN – 10 0521107253.
6. समूह के तृतीय विश्व युद्ध के तीन खंड़ों में पुस्तक जेन रि विशेषता प्रक्रिया तथा संयुक्त राष्ट्र समस्या 1, 1999.
7. युद्ध और भारत के समस्याएँ: अंधेरे ललने पर सिंह प्रकाश 1 बुक का दो सीढ़ियों पर, 1997-98
8- वैश्विक चर्चा प्रश्न एक एकीकरण गर्ने भारत प्रकाश तथा मित्र अवलोकन.

Paper XII

Geo- Politics and Military Geography

Unit-I
1. Concept and meaning of Geo-politics
2. Scope and importance of Geo-politics
3. Development of Geo-politics

Unit-II
1. Global strategic views
2. Sea Power theory: Mahan and Houshoffar
3. Land Power theory: Machinder and Spykman
4. Air Power theory: Seversky

Unit-III
1. Role of geography in military applications
2. Importance and scope of logistics
   2.1 Resources
   2.2 Industries
   2.3 Supply Chain
   2.4 Transport and Communication

Unit IV
1. Role of geography in Land Warfare
2. Role of geography in Sea Warfare
3. Role of geography in Air warfare

Unit V
1. Military geography of India: Defence problems
   1.1 India's boundaries, terrain in border areas
   1.2 Weather and communication
   1.3 Population in border areas and its implication to border security

Books & Journals recommended:

Paper XIII
Science, Technology and National Security

Unit I
2. Applicability of Physical, Mathematical and Technical Sciences in the field of defence.

Unit II

1. Chemical-Biological Sciences and their military utility.
2. Nuclear and Missile Technologies and related developments.

Unit III

1. Revolution in Military Affairs (RMA) and India’s National Security.
2. Advancing military technologies and their impact on weapon Development and defence industrialization.

Unit IV

1. International interdependence and transfer of defence technology: Global trends and Indian scenario.
2. Critical & Dual technologies and India's defence needs.

Unit V

1. DRDO and Indian Defence.

Books recommended:


Paper XIV

South Asia: Conflict and Co-operation

Unit I

1. Geo-Political setting of South Asia.
2. Socio-Cultural and Economic structure of South Asia.

Unit II

1. Power rivalries in South Asia: USA, USSR, U.K and China
2. Strategic Importance of Afghanistan, Myanmar and China for South Asia

Unit III
1. Internal problems and conflicts in South Asian Region (Country profiles)
2. Role of Pressure Groups (Religious, Linguistic, Caste, Tribes, Women, Youth, Civil Society and Media) in the politico-military scenario of the South Asian countries.

Unit IV
1. Prospects of Sub-regional cooperation in South Asia
2. Regional Cooperation in South Asia under the aegis of SAARC

Unit V
1. Conflict Map of South Asia: Regions, Issues and Parties
2. Peace Initiatives and movements in South Asia

Books recommended:

2-Anima Bose (ed), Peace and Conflict Resolution in World Community, New Delhi, 1919
3-Bhaskr Rao, Global Perceptions on Peace Education, New Delhi, 1996.
11- Ghanshyam Purdeshi (Id.), Contemporary Peace Research, New Delhi, 1982
16- Indi’s Role in SAARC, Dr Harsh Kumar Sinha, New Delhi, 1994

Paper XV

Practical and Viva-Voce
The students will be assigned with the responsibility to prepare/ conduct Computer-based exercises or Computer experiments on selected topic of contemporary relevance in the field 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
Semester V

Paper XVI

Strategic Thought

Unit I

1. Machiavelli: The Renaissance of the Art of War
2. Napoleon: Element of Napoleonic war, concept of Strategy and Tactics

Unit II


Unit III

1. Moltke & Schlieffen: The Prussian-German School of strategic thought
2. Foch: The French School of strategic thought.

Unit IV

1. First- World War: Causes, policies of Allied and Axis Powers, causes of stalemate, use of Tank.
2. Fuller, Liddell Hart: Concept of Armored and Mechanized Warfare.

Unit V

1. Second World War: Strategic doctrine and tactics
2. Douhet : Theories of Air Power and Strategic Bombing during W.W.II

Books & Journals recommended –

2- F. Gilbert, Machiavelli, Art of War.
3- Makers of Modern Strategy, E. M. Earl, Princeton University, 1986
6- J. F. C. Fuller Conduct of War, New Delhi

Paper XVII

International Relations

Unit I
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

Unit II
1. Foundation and limitation of National Power, National Interest and Foreign Policy.

Unit III
1. Non-alignment: concept and importance in modern time.
2. Development of international relations between-
   i. India and USA
   ii. India and Russia
   iii. India and China
   iv. India and Pakistan

Unit IV
2. New Cold War.

Unit V
1. Regional or organization-SAARC, ASEAN, EEC.
2. Principles of India’s foreign policy.

Books & Journals recommended:

1. Politics Among Nations – H. J. Morgenthau
2. Theoretical Aspects of International Politics – Dr. Mahendra Singh, Shivlal Agarwal & Company, Agra
3. International Relation – Palmer & Perkin
4. Strategic Analysis, IDSA, New Delhi

Paper XVIII

Politics and Security of the Indian Ocean

Unit I
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

Unit II
1. Political, Strategic, Economic and Military importance of Indian Ocean
   (iv) Ideologies in Indian Ocean
   (v) Economic and strategic interdependence of the region
   (vi) Super power vs. Middle Powers and militarization of the region
   (vii) Strategic Importance of the region: Militarily and Economically

Unit III
1. Sub-regional Perspective:
   (viii) Persian gulf
   (ix) Red Sea & Horn of Africa
   (x) Eastern and Southern Africa
   (xi) South Asia
   (xii) Australia and eastern Approaches

Unit IV
1. Major Sea routes in the region.
2. Interests of External Powers: USA, Russia, China, Japan, Western Europe.
3. Future trends and prospects of security in the region.

Unit V
1. Naval bases in the Indian Ocean Area during the Cold War and after.
3. Prospects of Cooperation in the Indian Ocean Region.

Books & Journals recommended:
3- India’s Maritime Security, Rahul Roy Chaudhary, IDSA and Knowledge world, New Delhi, 2010.
6- Bridges Across the Indian Ocean, IDSA Publication.

Journals/Newsletters:
v. Strategic Analysis, IDSA New Delhi.
vi. Strategic Digest, IDSA, New Delhi.

XIX (B)
Conflict and Media

Unit-I
1. Conflict: Concept, Meaning and definitions.
2. Media: Concept, Meaning and definitions.

Unit-II
1. Inter relation between Conflict and Media.
2. Role of Media in International Conflict.

Unit-III
1. Information Age and changing dimensions of conflict.
2. Increasing Impact of Media on Society and States.

Unit –IV
1. National Security and Role of Media.
2. Role of Media in India: Size, Characteristics and Impact.

Unit-V
1. Terrorism and Media.
2. Media ethics and Laws regarding Conflict.

Books :
The Media of Conflict: War Reporting and Representations of Ethnic Violence Edited by Tim Allen and Jean Seaton

The Media at War: Communication and Conflict in the Twentieth Century. Susan Carruthers.

Media and Conflict: Framing Issues, Making Policy, Shaping Opinions Eyta Gilboa (Editor)
War and the Media: Reporting Conflict 24/7 Daya Kishan Thussu, Des Freedman

The Media of Conflict Tim Allen, Jean Seaton
War and Media Andrew Hoskins, Ben O’Lo
Media and Terrorism Des Freedman, Daya Kishan
War and the Media Paul M. Haridakis, Barbara
War and the media Miles Hudson, John Stanie

Paper XIX (B)

Science & Technology and Non-Traditional Security

Unit I

1. Non-Traditional Security (NTS): concept, nature & scope
2. Major NTS Threats and Challenges and their typologies

Unit II

2. India’s NTS policy for food, nutrition, human health and other concerns

Unit III

1. Energy security and its conventional sources.
3. India’s policy options for India’s Energy Security

Unit IV

1. India’s resource base.
2. Use of science and technology for the exploitation of resources in India’s civil and defence sectors.
3. Resource scarcity and its linkage with conflict situations in India

Unit -V

1. India’s integrated science policy for Non-Traditional Security (NTS) management.
2. Non-Traditional man-made risk reduction and India’s Opportunities.

Books & Journals recommended -


Or

Paper XIX (C)

Dissertation on any topic of the above papers

Paper XX

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 field of International Security for the following-

1- To prepare Computer graphics.
2- Lecturette on the selected topics.
   a. Power-Point presentation on the given topic.
   b. Viva-Voce