

**पुणे विद्यापीठ**

**परिपत्रक क्र. १३६/२००३**

**विषय : एम.ए./एम.एस्सी. व बी.ए./बी.एस्सी. संरक्षण व सामरिकशास्त्र विषयाच्या सुधारीत अभ्यासाबाबत**

या परिपत्रकाद्वारे सर्व संबंधितांस विद्यापीठ अधिकार मंडळाने घेतलेल्या निर्णयानुसार असे कळविण्यात येत की, एम.ए./एम.एस्सी. व बी.ए./बी.एस्सी. संरक्षण व सामरिकशास्त्र विषयाच्या सुधारित अभ्यासक्रमाची अंमलबजावणी शैक्षणिक वर्ष २००३-२००४ पासून करण्यात येईल. (सोबत अभ्यासक्रम)

गणेशखिंड, पुणे-४११ ००७  
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सही XXX  
कुलसचिवांकरिता

**University of Pune**  
**M.A./M.Sc. in Defence and Strategic Studies**  
**Syllabus**

**DS 1 Contemporary Strategy**

**Section I**

1. Strategic Studies : Assumptions and Approaches
2. Theories and Causes of War
3. Use of Force
4. Deterrence : Concept, Nuclear Deterrence and Current Relevance
5. Contemporary Warfare : (a) Conventional Warfare in Nuclear Age, (b) Limited War, (c) Revolutionary Warfare, (d) Guerilla Warfare and Low Intensity War, (e) Insurgency and Counter Insurgency, (f) Terrorism
6. Conflict Management and Conflict Resolution-Peace Research.

**Section II**

7. Evolution of Nuclear Strategy : Early Debates on the relevance of Nuclear Weapons
8. US Nuclear Strategy : Survey of US Nuclear Strategy and Doctrines from 1945 to the present
9. Soviet Nuclear Strategy :
  - Political (Ideological), Historical and Geographic Influences, (b) Key Elements in Soviet Strategy
10. Russian Nuclear Strategy/Policy making
11. Chinese Nuclear Strategy
12. Indian Nuclear Strategy
13. Pakistan's Nuclear Strategy
14. Near Nuclear States and their Strategic Concepts.

*Readings*

1. Paret Peter (ed) : Makers of Modern Strategy : From Machiavelli to Nuclear Age (Oxford, 1986)
2. Baylis John, Booth Ken, Garnett John and Williams Phil: Contemporary Strategy : Theories and Concepts' Vol. I (London : Groom Helm, 1987)
3. Bobbit Philip and others (ed) : US Nuclear Strategy : A Reader (New York : New York University Press, 1989)
4. Garnett John (ed) : Theories of Peace and Security : A Reader in Contemporary Strategy (Bristol : McMillan, 1970)
5. Shrikant Paranjpe : Samarikshastra (in Marathi) (Pune : Continental, 1994).

## **DS 2 National Security**

### **Section I**

1. Problems of India's Security. The Conceptual Framework-Global, Regional and Local environment and its impact on Security thinking — National Interest and Protection of core values.
2. Problems of India's Security and the Role of the State (Political, economic, socio-cultural and other dimensions, Terrorism, insurgency, etc.)
3. National Security Planning :
  - Economics of Defence including debate on Defence and development
  - Developments in Science and Technology (Special reference to Nuclear and Space Programmes)
  - Political Factors, Role of Diplomacy
  - Capability factors - Role of the Military
4. National Security Organization in India
  - National Security Council
  - Political/Bureaucratic Structure Higher Defence Organization
  - Para-Military and Civil Defence
  - Civil Military Relation
  - Role of Intelligence.

### **Section II**

5. India's Nuclear Policy
  - Indian and Pakistan (focus on issues of dispute and efforts at normalisation)
  - India and China (focus on issues of dispute and efforts at normalisation)
  - Indian and the United States (post 1990-91)
6. India and Russia (post 1990-91)
7. India and the Asia Pacific (post 1990-91)
8. India and Europe (post 1990-91)

9. India and West Asia (post 1990-91)
10. SAARC
11. India and the emergent world order (since 1991).

*Readings*

1. K. P. Mishra (ed) : Foreign Policy of India : A Book of Readings (New Delhi : Thompson 1977)
2. Bimal Prasad (ed) : India's Foreign Policy : Studies in Continuity and Change (New Delhi : Vikas, 1979)
3. Gautam Sen : "India's Security Consideration in Nuclear Age" (New Delhi : Atlantic, 1986)
4. P. N. Haksar : India's Foreign Policy and its Problems (Delhi : Atlantic, 1993)
5. Shrikant Paranjpe : Parliament and the Making of Indian Foreign Policy : A Study of Nuclear Policy (New Delhi: Radiant, 1997)
6. Usha Thakkar and Mahesh Kulkarni : India in World Affairs — Towards the 21st Century (Mumbai : Himalaya, 1999)
7. Annual Report, Ministry of External Affairs, and Ministry of Defence, Government of India, New Delhi (Latest Available)
8. Military Year Book (Latest Edition)
9. Kanti Bajpai and Amitabh Mattoo (ed) : Securing India Strategic Thoughts and Practice (New Delhi, Manohar, 1996)
10. Dr. I. R. Singh : "National Security Problems in India" (Ashish Pub., New Delhi, 2000)
11. Dr. M. L. Sali : "India-China Border Dispute" (Ashish Publishing, New Delhi, 1998)
12. Dr. P. A. Ghosh : Ethic Conflict in Srilanka & Role of I. P. K. F. (Ashish Publishing, New Delhi, 1999).

**Journals :**

International Studies (New Delhi), India Quarterly (New Delhi).

**Report :**

Annual Report, Ministry of External Affairs, Government of India, New Delhi (Latest available).

### **DS 3 International Relations**

#### **Section I**

Cold War : Nature and Evolution since 1945  
 Defence : Nature and US and Soviet Perceptions  
 New Cold War  
 Development in the Third World Regionalism, and Nonalignment  
 Evolution of International Economic Issues : Bretten Woods System; NIEO, North-South, GATT and WTO  
 The 1989 Changes in East Europe, Soviet disintegration  
 New World Order and Globalisation.

#### **Section II**

Theories and Approaches (a) The Classical Approaches-Realism and Idealism, (b) The Scientific Revolution-Behavioural approach, Systems Approach, Decision Making Theories, Game Theory (c) Neo Liberalism (d) Neo Realism, (e) International Political Economy (f) Trans-nationalism (g) Post positivist approaches

Key Concepts of Security (a) Balance of Power, (b) Collective Security, (c) Neutrality, (d) Nonalignment, (e) Equal security, (f) Common Security.

Approaches to Peace : (a) Diplomacy, (b) International Law, (c) United Nations, (d) Arms Control and Disarmament.

Non-Military Dimensions of Security : Contemporary issues of Strategic Importance (a) Environmental Issues, (b) Cultural Conflicts, (c) Humanitarian issues and Human Rights, (d) Gender Issues (e) Energy Crisis (f) Comprehensive Security.

*Readings*

1. N. D. Palmer and H. C. Perkins : International Relations (Calcutta : Scientific Book Agency)
2. Mahandra Kumar : Thoretical Aspects of International Relations (Agra : Shivilal Agarwala & Co., 1984)
3. A. A. Said : Theory of International Relations
4. Baylis John and Smith Steve : The Globalisation of World Politics—An Introduction to World Politics (Oxford : Oxford University Press, 1997)
5. Goldstein Joshua : Internaional Relations (New York : Harper Collins College Publications, 1994)
6. Zeigler David : War, Peace and International Politics (Boston : Little Brown & Co.,1981)
7. Jackson Robert and George Sorensen : Intorduction to International Relations (Oxford : Oxford University Press, 1999)
8. Kegley Charles W. Jr. and Whittkopf Eugene R. : world Politics : Trends and Transformation (Hampshire : MacMillan, 1989)
9. Williams Mare (ed) : International Relations in the Twentieth Century—A Reader (London : Macmillan, 1989)
10. Calovocoressi Peter : World Politics since 1945 (London: Longman, 2000).

**Journals** : International Studies (New Delhi),  
India Quarterly (New Delhi)



**DS 4 : Geopolitics and Military Geography****Section I**

1. Scope and Importance
2. Evolution of Geopolitical Thought since the 19th Century:  
(a) Organic Theory of State (b) Sea Power Theory,  
(c) Land Power Theory, (d) Rim Land Theory, (e)  
German Geopolitics
3. Colonialism and Resurgent Nationalism : (a) Colonialism  
and Geopolitics, (b) Motives and Rewards, (c) Methods  
and Results, (d) Response to Nationalism
4. Territory and State : (a) Territory and Territoriality,  
(b) Theories of State
5. Geopolitics during the Cold War Period : (a) Cold War  
relevance of Heartland Theory, (b) Four Dimensional  
World
6. Geopolitics in the post cold war era.

**Section II**

7. Man and Environment : (a) Determinism, (b) Possibilism
8. Scope of Military Geography
9. Importance and Scope of Logistics : (a) Resources,  
(b) Industries, (c) Supply Chain, (d) Transportation and  
Communication
10. Planning Process and Principles of Strategic Geography
11. Role of Geography in Land Warfare
12. Role of Geography in Sea Warfare
13. Role of Geography in Air Warfare
14. Weather conditions of sea as factors in amphibious and  
airborne operations

15. Military Geography of India and Defence Problems :  
(a) India's boundaries, Terrain in border areas, weather and communication, (b) Population in border areas and its implications to border security.

*Readings*

- Peltier Louis and G. Etzel Pearey : Military Geography (New Delhi : East West, 1981)
- B. L. Sukhwai : Modern Political Geography (New Delhi: Sage, 1985)
- A. T. Mahan : Sea Power (London : Methuen and Co., 1975)
- J. R. V. Prescott : Political Geography (London : Methuen and Co., 1972)
- R. D. Dixit : Political Geography : The Discipline and its Dimensions (New Delhi : Tata MacGraw Hill, 1994)
- Harm J. de Blij : Systematic Political Geography (New York : John Wiley and Sons, 1973)
- P. J. Taylor : Political Geography : World Economy, Nation State and Locality (London : Longman, 1985).

**DS 5 : Defence Economics of India**

**Section I**

1. Economics Theories of Defence and the concept of public good
2. Determinants of Defence Expenditure : Capability analysis and Threat Perception
3. Defence Budget : (a) Structure of the Budget (b) Parliamentary control over defence budget
4. Defence and Development.

**Section II**

5. Rationale of Arms production in the Third World
6. Indian Policies regarding Defence Production with reference to purchase of armaments from abroad and production in India
7. Defence production in India : (a) Department of Defence Production (b) DRDO (c) Ordnance Factories (d) Defence Public Sector Undertakings (e) Problem of technological self-sufficiency (f) Role of the private sector in defence production.
8. Economic Warfare : nature, scope and content.
9. An analysis of India's defence expenditures since 1947.

*Readings*

1. Ron Mathews : Defence Production in India (New Delhi: ABC, 1989)
2. Y. Lakshmi : Trends in India's Defence Expenditure (New Delhi : ABC, 1988)
3. Annual Reports of the Ministry of Defence, Government of India.
4. Military Yearbook (Annual).

**DS 6 : Science, Technology and National Security**

**Section I**

1. Relevance of Science and Technology in National security
2. A review of technological changes since the Industrial Revolution until the coming of the nuclear age and their impact on security
  - Emergence of New technologies like electricity, radio, internal combustion engine etc. and their impact.
3. Technologies in the First World War
4. Technologies in the Second World War
5. Nuclear energy in War and peace.

**Section II**

6. New Technologies and their impact on national security
  - (a) Energy,
  - (b) Electronics, Computers, and Artificial Intelligence,
  - (c) Material Science,
  - (d) Bio-technology,
  - (e) Communications and Information Technology,
  - (f) Transportation
7. Strategic Defence Initiative and National Missile Defence
8. India : (a) Scientific Policy Resolution  
(b) Industrial Policy Resolution
9. Science and technology and national security in the Indian context.

*Readings*

- Kenneth Macksey : Technology in War (London : Arms and Armour Press, 1961)  
B. S. Nanda : Science and technology in India's Transformation (Delhi : Concept, 1986)  
Martin van Creveld, Technology and War : From 2000 BC to the Present (London : Brassey's, 1991).

**DS 7 : Area Studies**

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

Students would be required to go on a field trip (study tour) as part of the course work. Students would be required to submit a report on the study trip.

**Section I : Research Methodology**

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.

*Reading*

M. H. Gopal : An Introduction to Research Procedure in Social Science (London, Asia Publications, 1970).

**Section II : Dissertation**

The Topic is to be decided in consultation of the guide.

*Note :*

1. Two Copies of the dissertation should be submitted by the students.
2. The evaluation of Section I will be done by internally by the department.
3. The evaluation of the Dissertation will be done by the Internal examiner. The Internal examiner will be the guide of the students.

The Evaluation will include marks for a field trip and a viva.

**DS 8 : Indian Military History****Section I**

1. Military System & Art of War -
  - a) Vedic
  - b) Epic
2. Alexander's Invasion of India -
  - a) Battle of Hydaspus
  - b) Analysis of the Battle
  - c) Implications & Significance
3. Kautilya -
  - a) Philosophy of War
  - b) Organization Art of War, Interstate Relations
  - c) Relevance of Kautilya's thoughts in the present context
4. Rise & Downfall of Rajputs -
  - a) Military System & Art of Warfare
  - b) Merits & Demerits
  - c) Battle of Somnath & Torain
5. Military Reforms & Patterns of Warfare during the Sultanate period
  - a) Military System & Art of War
  - b) Alauddin Khilji
  - c) Ghiyasuddin Balban
  - d) Downfall of Sultan
6. Rise & Fall of Mughals :
  - a) 1st Battle of Panipat
  - b) Military System, Organization, Art of War etc.
  - c) Cause & Downfall of Mughals.

**Section II**

Military History of the Marathas (1600-1818) :

The course focuses on the war history of the Marathas during this period. The focus is on the strategies and tactics used and

on the approaches to war. Specific battle would be used as illustrations for the study.

7. The Land, people and war tradition of the Marathas
8. Chatrapati Shivaji : (a) Organizaiton of the Army  
(b) Approach to warfare, strategy and tactics.
9. The Peshwa Period : Assessment of Bajirao I
10. The Third Battle of Panipat
11. The Three Anglo Maratha Wars
12. Role of Forts
13. The Maratha Navy
14. The Maratha Military System.

*Readings*

- K. G. Pitre : War History of the Marathas, 1600-1818 (Pune : 1988)
- A. R. Kulkarni : The Marathas (1600-1848), (New Delhi: Books and Books, 1996)
- P. N. Chopra, B. N. Puri, M. N. Das and A. C. Pradhan: A New Advanced Hisotry of India (New Delhi : Prentice Hall, 1996).

### **DS 9 : Contemporary Issues in Security Policy**

This is a broad survey of various global development that follows as its basic reading the IISS Strategic Survey and the IDSA's Asian Survey.

#### **Section I**

Strategic Policy Issues :

Nonproliferation,

Ballistic Missile Defence,

(c) UN Peace keeping

Issues of strategic concern in the following regions :

America, Europe, West Asia, South, East and South East Asia, Africa.

#### **Section II**

Contemporary Geostrategic Landscape : Focus on post war geostrategic readjustments and their implications on recent global developments related to politics, economics and defence/ security.

Non-Military Dimensions of Security, contemporary issues of Strategic Importance (a) Environmental Issues, (b) Cultural Conflicts, (c) Humanitarian issues and Human Rights, (d) Gender Issues, (e) Energy Crises, (f) Comprehensive Security.

#### *Readings*

1. Baylis John and Smith Steve : The Globalisation of World Politics : An Introduction to World Politics (Oxford : Oxford University Press, 1997)
2. Goldstein Joshua : International Relations (New York : Harper Collins College Publications, 1994)
3. Zeigler David : War, Peace and International Politics (Boston : Little Brown & Co., 1981)
4. IISS : Strategic Survey (Latest Survey)
5. IDSA : Asian Strategic Review (Latest Survey).



**DS 10 : Regional Security in South Asia**

**Section I**

1. The Regional State System of South Asia
2. Threat Perceptions and Strategic Responses of (The topic covers security/foreign policies of individual countries from a conceptual perspective) :
  - (a) India,
  - (b) Pakistan,
  - (c) Bangladesh,
  - (d) Sri Lanka,
  - (e) Nepal.

**Section II**

1. Security issues in South Asia : Case Studies :
  - Kashmir
  - Sri Lanka
2. SAARC Origins and developments in SAARC with special focus on India's role :
  - (a) Origin of SAARC
  - (b) Organization of SAARC
  - (c) SAPTA and SAFTA
3. Problem of Development : Changes in global environment and development strategies in South Asia.

*Readings*

1. Gowhar Rizvi : South Asia in changing International Order (New Delhi : Sage, 1993)
2. Kodikara Sheldon (ed) : External Compulsion of South Asian Politics (New Delhi, 1993)
3. Hewitt Vernon M. : The International Politics of South Asia (New York, Manchester University Press, 1992).

**DS 11 : International Humanitarian and Refugee Studies**

**Section I**

1. International Humanitarian
  - a) Basic Concepts
  - b) Origin
  - c) Humanitarian Law & Human rights
  - d) Scope of applicability
2. Armed conflicts and protection of Defenceless Victims
  - a) Protection of civilian
  - b) Wounded and sick soldiers
  - c) Prisoner's of war
  - d) Combatant
3. Means and Methods of making warfare Humanitarian
  - a) Legal Initiatives
  - b) Initiative in the context of use of landmines, chemical weapons, biological warfare
  - c) Natural environment & cultural property
4. Indo-Pak War-1947, 1965, 1971
  - a) Humanitarian practices adopted by both countries.

**Section II**

5. Refugee
  - a) Definition
  - b) 1951 Convention & 1967 Protocol
  - c) Stateless person
6. Asylum
  - a) History
  - b) Principle of non-refoulment
  - c) Extradition & non-refoulment
7. Rights & Duties of Refugees
  - a) Life world of Refugees
  - b) Rights of Refugees

- c) Duties of Refugee
- d) Future of Refugee rights regime
- 8. UNCHR and NGOS
  - a) Structure, Mandate, Function
  - b) UNCHR & NGO.

*References*

1. B. S. Chimi : International Refugee Law : A Reader (Sage Publication, New Delhi, 2000)
2. UNCHR : The State & the World's Refugee-Fifty Years of Humanitarian Action (Oxford University Press, Oxford, 2000)
3. S. K. Kapoor : International Law.

**DS 12 : War & Society**

**Section I**

1. Concept of War
  - a) Nature of War
  - b) Definition of War
    - i) Traditional view
    - ii) Relevance of declaration of war
  - c) Types of war
    - i) Geographical war
    - ii) Inter-State wars
    - iii) Civil war
    - iv) Asymmetric warfare
2. War Waging Machinery
  - a) Resources of State
  - b) Belligerents and Combatants
  - c) Notion of combatant
3. Nature of the law of War
  - a) Historical Background
  - b) Function of the law of war
  - c) Law of war
  - d) Jus ad bellum and Jus in bello - (2)
4. Restrictions on weapons
  - a) Ambit of relevant rules
  - b) Conventional Weapons
    - i) 1981 weaponry convention
    - ii) Land mine convention of 1997

**Section II**

5. Prohibited methods of warfare
  - a) Rules for all warfare
  - b) Specific rules for naval warfare

6. Humanitarian rules
  - a) Realistic meaning
  - b) Treatments civilians
  - c) Treatment of the wounded, sick and shipwrecked
  - d) Specially protected groups
7. Effects of the state of war
  - a) Time-span of war
  - b) Effects on communication
  - c) Legal effects
    - i) Entry into force of the rules of war
    - ii) Effect of war on treaties
8. Suspension of the law of war
  - a) Denunciation
  - b) Breach
  - c) Sanction and responsibility for breaches.

*References*

- W. B. Ballis — Legal Position of War Change in its Practice from Plato to Vattel (The Hague, 1973)
- L. Fredmann — The Law of War : A Documentary History (New York 1972)
- MC Nair, A. D. — "The Legal Meaning of War and Right of Reprisals"
- MC Nair, A. D. and Watts D. U. — The Legal Effects of War (4th ed, Cambridge, 1966)
- Inged Dettner — The Law of War (2nd ed., Cambridge, 2000)

### **DS 13 : Logistic Management of National Defence**

#### **Section I**

1. Logistic : Meaning & Concept, Scope
2. Principles of Logistics & Historical Account
3. Logistics in the National Defence Spectrum
4. Nature of Modern War & Role of Logistics in it
5. Resources of Logistics — Economic Resources and the Industrial base, Mobilization of war potential.

#### **Section II**

6. Logistic Planning—Interpretation of Logistics, information, planning & programming capabilities & operational planning
7. Logistic supply—Resources, Industries supply chain, Transportations & Communication
8. Logistics channels & Industrial section, public and private sector industries. The flow of goods & services, civilian control of logistics requirement
9. Build up & Disposition of logistics forces. Comment, Control, Mobility & Momentum
10. Challenges to logistic management in the 21st century.

#### *Readings*

1. Klaus Knorr : War Potential of Nations
2. H. Eccles : Logistics in the National Defence
3. R. Bureau : The Organization of logistic support system
4. Ralph Sanders : The Politics of Defence Analysis.

**DS 14 : Peace and Conflict Studies**

**Section I**

1. Origin, type and structure of conflict at inter-state level
2. Images, belief systems and International conflicts
3. Techniques of conflict prevention
4. Conflict management : pacific soluti on the international Disputes Coercive methods and war as an instrument.

**Section II**

5. International Humanitarian Laws and Laws of Armed Conflicts
6. Confidence Building Measures : Concept, kind and utility
7. IGOs & NGOs in conflict resolution : Peace making, peace keeping and peace building
8. Techniques of preservation of peace of Collective security system, pacific settlement, Enforcement action, Regional security arrangements, Disarmament.

*Readings*

1. Anatol Raport : Conflict in Manmade Environment (London, 1974)
  2. J. W. Burton : Conflict and Communication (London, 1969)
  3. Claggtt Smith : Conflict Resolution (London, 1969)
  4. David Mitrany : A working Peace System (Chicago, 1966)
  5. Michal Hass : International Conflict (New York, 1965).
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