

Sri Dev Suman Uttarakhand University Badshahi Thaul
DEFENCE AND STRATEGIC STUDIES
B.A/ B.Sc (Semester System)
List of Courses (w.e.f 2018-19)

SEMESTER-I

Paper I : Evolution of Warfare in India (Part- I)
Paper II: Defence Mechanism of India (Part -I)
Practical

SEMESTER-II

Paper I : Evolution of Warfare in India (Part-II)
Paper II: Defence Mechanism of India (Part -II)
Practical

SEMESTER-III

Paper I : Evolution of Warfare in the Western World (Part- I)
Paper II: Fundamentals of India's National Security (Part-I)
Practical

SEMESTER-IV

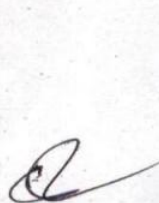

Paper I : Evolution of Warfare in the Western World (Part- II)
Paper II: India's National Security (Part-II)
Practical

SEMESTER-V

Paper I : Evolution of Strategic Thought
Paper II : International Relations & Organisation
Practical

SEMESTER-VI

Paper I : Problem of War and Peace
Paper II : Military History of Uttarakhand
Practical



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THE UNIVERSITY OF CHICAGO

DEPARTMENT OF CHEMISTRY

LABORATORY OF ORGANIC CHEMISTRY

1952-1953

RESEARCH REPORT NO. 10

BY J. H. GOLDEN AND R. H. WILSON

CHICAGO, ILLINOIS

1953

Defence and Strategic Studies
B.A / B.Sc – Ist Semester

Paper I : Evolution of Warfare in India (Part- I)

OBJECTIVE: This paper attempts to familiarize the students with evolution of art of warfare in India . It is to establish that the art of warfare changes with changes in political governance, nature of threat, and weapon systems.

UNIT I . Warfare in Ancient India

- a) Military System and types of war during Vedic and Epic period.
- b) Comparative study of Indo Greek warfare special references to Alexander’s invasion of India (Battle of Hydaspas 326 B.C).

UNIT II . Military System of the Mauryan Period

- a) Military organizations of Maurayas
- b) Kautilya’s philosophy on war, peace, fortsification, espionage, diplomacy and interstate relation .

UNIT III . Military System of the Gupta Period

- a) Hindu Military System during the age of Gupta’s and Harshavardhana.

UNIT IV . Rajput Military System

- a) Military System of Rajput’s and Turk pattern of Warfare, Mohd. Ghori’s conquest of India (Battle of Tarrain I & II).
- b) Causes of Rajput failures in the middle ages.

BOOKS SUGGESTED

Anjoli Nirmal, The Decisive Battles of Indian History, Jaipur: Pointer Publications,1999.
 Das, S.T., Indian Military: Its History and Development, Allahabad: Kitab Mahal,1979.
 Majumdar, R.C., An Advanced History of India, New York: St.Martin,1967.
 Malleson, G.B., The Decisive Battles of India, London:W.H.Allen,1885
 Roy, Koushik., From Hydespas to Kargil : A History of Warfare in India from 326 B.C. to A.D 1999, Delhi: Manohar,2004.
 Singh L J , Kautilya’s Philosophy of war(Hindi)

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Defence and Strategic Studies
B.A / B.Sc – Ist Semester

Paper II: Defence Mechanism of India (Part –I)

OBJECTIVE: The Defence of a country is structured on certain organizational pattern and mechanism. It is therefore essential to have a basic knowledge of them in the context of India.

UNIT I. Higher Defence Organizations of India

- a) Power of the President of India in relation of Defence, Role and function of Ministry of Defence.
- b) Composition and function of Cabinet Committee on Security, NSC, NSAB.
- c) Chief of Staff and joint service Organization.

UNIT II. The Indian Defence Forces

- a) Rank Structure and Important training Institution of the Three Services.
- b) Recruitment methods for Defence Services.

UNIT III. Organization of Armed Forces

- a) Organization of Army, Air force, Naval Headquarters (role of their Chiefs of Staff).
- b) Important Weapons of Indian Army, Air Force, Navy.

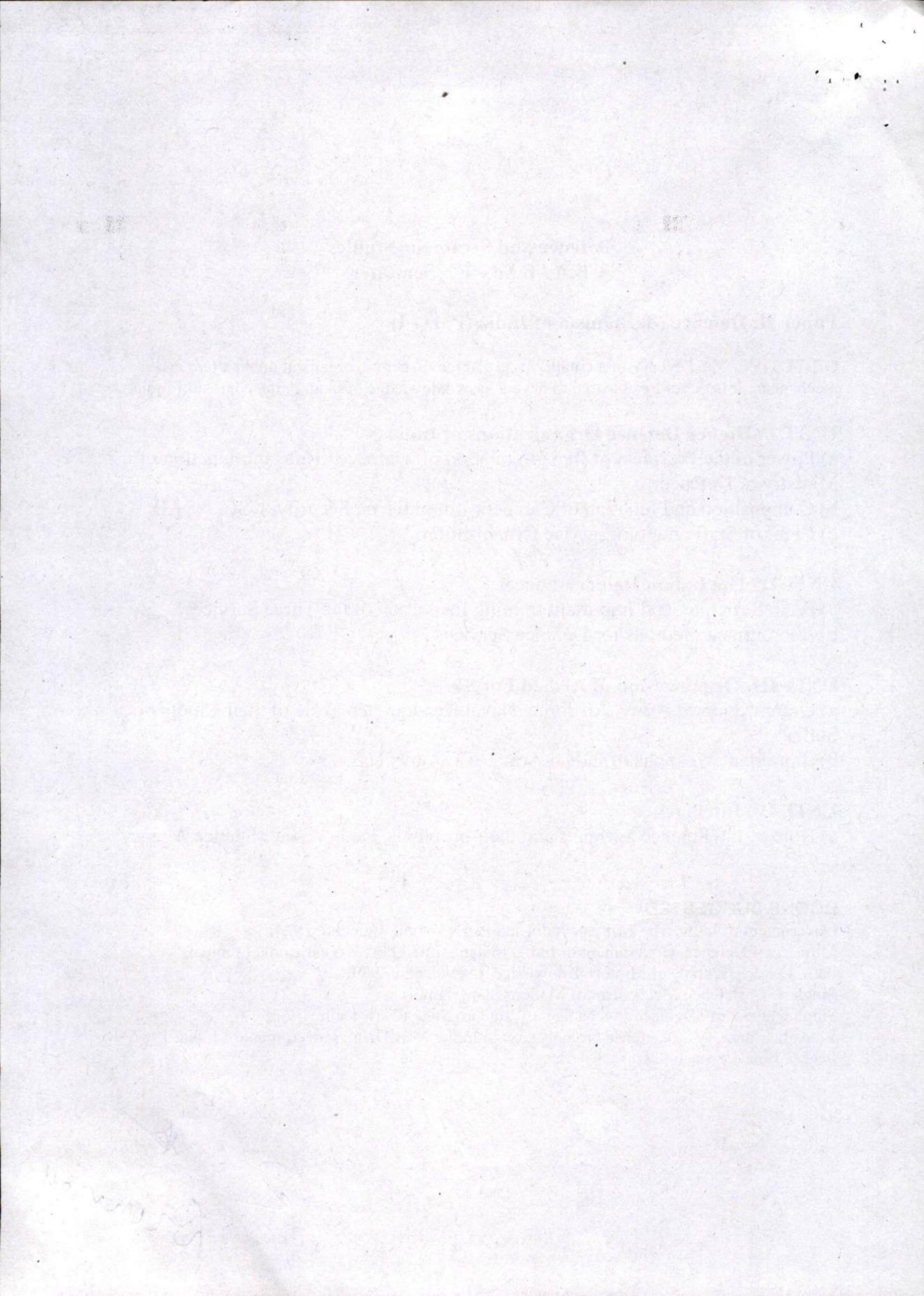
UNIT IV. Intelligence

- a) Role of Intelligence agencies and their problems, Defence Intelligence Agency (DIA)

BOOKS SUGGESTED

Government of India, The Army of India and its Evolution, Calcutta, 1924.
 Ministry of Defence, Government of India, Indian Armed Forces Year Book, (Annual).
 Palit, D.K., Essentials of Military Knowledge, (New Delhi:1989)
 Singh, L.J., Defence Mechanism of Modern State (Hindi).
 Singh, Nagendra., Defence Mechanism of Modern State, (New Delhi:1967).
 Venkateswaran, A.L., Defence Organisation in India, New Delhi: Government of India, 1967.
 Baghel, Birendra Singh Bhartiya Senayein ,

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Defence and Strategic Studies
B.A / B.Sc – Ist Semester

Practical

- 1. MAP READING -** Definition, Characteristics, Classification, Military Maps, Limitations of the Maps, Map Marginal Information's , Orienting a Map, Care and Precaution of the Maps, Topo-Sheet and its utility for Military.
- 2. CONVENTIONAL SIGNS-** Military and Geographical
- 3. GRID SYSTEM-** Indian Grid System , Map References, Four figure , Six Figure and Eight figure Map References.
- 4. SCALE- I -** Definition, Methods of representing scale; Problems of Scale

BOOKS SUGGESTED

Military Map Reading by Gale and Polden.

Prakriyatmak Sanya Vigyan' (Hindi): Vol.-1 & II by B.N.Maliwal.

'SAMRIK MANCHITRA PATHAN' (Hindi)) : Professor Hazari Lal : (1979) Part-1 and Part-II : Publisher: Shamrik Prakashan Kendra, 2/119, Shyam Nagar, ALIGARH (U.P).
PRAKRIYATMAK SAINYA VIGYAN (Hindi) Part-1 and Part-II, By B.N.MALI WAL; (1968) EBD Publishing and Distributing Company 144, Rajpur Road, Dehradoon. OR Latest-Publisher of this Book is: Chandra Prakash and Brother, Kothi Road, HAPUR, Distt. Ghaziabad (UP).

Sainik Manchitra Vigyan ; M.P.Verma, Aligarh (UP).

Sainya Vigyan Guide, R.S. Aggarwal, Tulsi Prakashan, Jattiwara, Meerut- 250002

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Defence and Strategic Studies
B.A / B.Sc – IInd Semester

Paper I : Evolution of Warfare in India (Part-II)

UNIT I . Military Systems of the Mughals

- a) Foundation and Consolidation of the Mughal empire (First Battle of Panipat-1526A.D & Battle of Khanwa 1527 A.D)
- b) The Mughal military organization, weapon system, art of war.
- c) Causes of the downfall of the Mughals.

UNIT II . The Maratha Military System

- (b) a) Military System of the Marathas
- (a) b) The Military Organisation of Shivaji
- c) Causes of the downfall of the Marathas:

UNIT III . The Sikh Military System


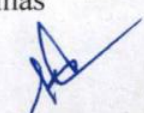
- a) Rise of Sikhism and its philosophy.
- b) The Military Organizations of the Sikhs under Maharaja Ranjit Singh.

UNIT IV . British Conquest and Art of warfare in modern India

- a) Conquest of Bengal (Battle of Plassey).
- (a) b) The rise of Presidency Armies
- (b) c) The first war of Independence 1857 and military reforms under the Crown.
- (c) d) Partition of the armed forces.

BOOKS SUGGESTED

- Sarkar, Jadunath., Military History of India, Bombay: Orient Longmans, 1970.
Saxena, K.L.M., Military System of India-1850-1900, Delhi'1976.
Singh, L.J., Indian Military History (Hindi).
Singh, L.J., Kautilya's Philosophy of War (Hindi).
Tandan, Aggarwal, Singh, Bharatiya Yudh Kala (Hindi).
V.R.R. Dikshitar, Wars in Ancient India, 1948.
Bhartiya Sena, Parampara aur swaroop part 4, Radhakant Bharti, Bihar Hindi granth academy
Col.Gautam Sharma Bhartiya Sena aur Yudhkala, (Hindi)
Singh L J , Bhartiya Senya Ithihas (Hindi)
Maj. Alfred david, Bhartiya Yudhkaala, Madhya Pradesh Hindi granth academy
Singhal J.P., Prachin Bharat, research publication, new delhi (Hindi)
Erwin William, Bhartiya Mughlon ki Sanya vywastha, translated by Ramesh Tiwari, Ithas
Prakashan Sansthan , Allahabad



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Defence and Strategic Studies
B.A / B.Sc – IInd Semester

Paper II: Defence Mechanism of India (Part –II)

UNIT I. Static and Field Formation of Indian Armed Forces

- a) Army
- b) Air Force
- c) Navy

UNIT II. Second Line of Defence

- a) Introduction, role and function of BSF, CG, CISE, RR 9.T.B.P S.S.B.

UNIT III. Military in Aid and Civil Defence

- a) Meaning and Importance of civil defence
- b) Civil defence Organisation
- c) Measures of civil defence
- d) Civil – Military Relations

UNIT IV. Emerging trends and Challenges of Indian Armed Forces

BOOKS SUGGESTED

Modern Strategic Thought and National Security, Ashok Kumar Singh, Prakash Book Depot Bareilly (Hindi)

National Defence and Security, Dr. L.J.Singh, 13th edition Prakash Book Depot Bareilly (Hindi)

Government of India, The Army of India and its Evolution, Calcutta, 1924.

Ministry of Defence, Government of India, Indian Armed Forces Year Book, (Annual).

Palit, D.K., Essentials of Military Knowledge, (New Delhi:1989)

Singh, L.J., Defence Mechanism of Modern State (Hindi).

Singh, Nagendra., Defence Mechanism of Modern State, (New Delhi:1967).

Venkateswaran, A.L., Defence Organisation in India, New Delhi: Government of India, 1967.


Summer

Defence and Strategic Studies
B.A / B.Sc – IInd Semester

Practical

- 1. **SCALE –II-** . Comprative Scale , Diagonal Scale, Inter-conversion of Statement into R.F. Construction of Simple Scale line and the Comparativē Scale lines , to measure distance on the map and the corresponding distance on the ground.
- 2. **SERVICE PROTECTOR-** Description, Protector MARK III 'A' its utility for Military.
- 3. **COMPASS-** Definition, Classification, Uses, Graduatiōns, Compass variations, Compass in Marching
- 4. **SHEET NUMBER -** Million Sheets 'Quarter inch sheets', Half inch Sheets' 'One inch Sheet' and index of Sheets.
- 5. **BEARING-** Definition, Methods of Bearing, Inter Conversions of Bearings, Back Bearing

BOOKS SUGGESTED

Military Map Reading by Gale and Polden.

Prakriyatmak Sanya Vigyan' (Hindi): Vol.-1 & II by B.N.Maliwal.

'SAMRIK MANCHITRA PATHAN' (Hindi) : Professor Hazari Lal : (1979) Part-1 and Part-II : Publisher: Shamrik Prakashan Kendra, 2/119, Shyam Nagar, ALIGARH (U.P).

PRAKRIYATMAK SAINYA VIGYAN (Hindi) Part-1 and Part-II, By B.N.MALIWAL; (1968) EBD Publishing and Distributing Company 144, Rajpur Road, Dehradoon. OR Latest-Publisher of this Book is: Chandra Prakash and Brother, Kothi Road, HAPUR, Distt. Ghaziabad (UP).

Sainik Manchitra Vigyan : M.P.Verma, Aligarh (UP).

Sainya Vigyan Guide, R.S. Aggarwal, Tulsi Prakashan , Jattiwara, Meerut- 250002

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Defence and Strategic Studies
B.A / B.Sc – IIIrd Semester

Paper I : Evolution of Warfare in the Western World (Part- I)

UNIT I. Warfare in Ancient World

- a) Greek Military system with reference to the Battle of Arbella.
- b) Brief study of Military System of the Romans with reference to the Battle of Cannae.

UNIT II. Warfare in the Middle Ages

- a) Advent of gun powder and its impact on warfare, Battle of Crecy ~~and to me~~

UNIT III. Warfare During 16th and 17th Centuries

- a) Development of weapons, Reforms of Gustavus Adolphus
- b) Siege craft and fortification (Vauban), Rise of Professional Armies and Navies

UNIT IV. Napoleonic warfare

- a) French Revolution – causes and outcome and Rise of Napoleon
- b) Napoleon's Art of Warfare, Battles of Trafalgar and Waterloo

BOOKS SUGGESTED

Andre Corviser, (ed.), A Dictionary of Military History, Oxford: Blackwell Publishers, 1994.
 Dupey & Dupey, Encyclopedias of Military History.
 Fuller, J.F.C., A Military History of the Western World, New York: Funk & Wagnalls Company, 1955.
 J.F.C Fuller, Armament and history
 Singh R P., Vishwa Vikhyat Yudh, Finix Books International (Hindi)
 Singh L J, Western Military History, Prakash Book Depot Bareilly (Hindi)

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Defence and Strategic Studies
B.A / B.Sc – IIIrd Semester

Paper II: Fundamentals of India’s National Security (Part-I)

Objective: To develop special subject knowledge on the vital concept of National Security and the approaches to achieve National Security (Special reference to India).

UNIT I . Introduction

- a) Definition, Scope and utility of the military science for National Security
- b) Definition, Scope and features of the Concept of National Security
- c) Concept of National Power – elements of national power (tangible and intangible)
- d) Fundamental factors, Values, goals and policies that determine National Security

UNIT II . Foreign Policy and Defence Policy

- a) Definition, Meaning, Scope & Determinants of Foreign Policy and Defence Policy
- b) Linkage between Foreign policy and Defence policy

UNIT III . Threats to National Security

- a) Meaning and Definition of Threat, Types of threats
- b) Threats to India and their Perception

UNIT IV . Strategic Environment of India

- a) Features of strategic environment – its scope in policy making.
- b) India’s Strategic environment – Immediate Neighbors; Adjacent Regions, Indian ocean and Global structure.
- c) India’s Military preparedness – Defence Budget, Force structure and organization.

BOOKS SUGGESTED

Bajpai, U.S.,(ed) India's Security : The Politico-Strategic Environment, New Delhi :Lancers Books, 1983.

Barry, Buzon., People, State and Fear : The National Security Problems in International Relations, Sussex ; Wheatsheaf Books, 1983.

Dixit, J.N., Accross Borders: Fifty Years of India's Forgeign Policy, New Delhi: Picus Books, 1998.

Jayaramu, P.S., India's National Security and Foreign Policy, New Delhi: ABC Publishers, 1978.

Kaul, T.N., India and the New World Order, Vol. 1, New Delhi: Gyan, 2000.

Kux, Dennis, Estranged Democracies: India and the United States 1941 - 1991, New Delhi: Sage Publications, 1994.

Satish Kumar, (ed)., Yearbook on India's Foreign Policy, New Delhi : Deep & Deep,1993.

Singh, L.J., National Defence and Security

Singh, L.J., Nature of War and North African Campaign (Hindi)

Defence and Strategic Studies
B.A / B.Sc – IIIrd Semester

Practical

1. LIQUID PRISMATIC COMPASS- Functions of its various parts, and the following exercises on the Prismatic Compass-



- a) To determine magnetic North by Compass.
- b) Setting the MAP by Compass.
- c) To find out the bearing of a point from other point situated on the ground.
- d) To determine own's and enemy's position on the MAP by Re-section and Inter-section methods with the help of compass.
- e) To set the compass in a particular direction for night march.
- f) Determination of Individual Compass Error (ICE).

2. SLOPE- Types of Slope, Methods of Expression of slopes, Representation of Slope, Finding slope from contours, Representation of Relief Feature.

3. TRAVERSING- Meaning, Methods of traversing, Utility of traversing.

4. NORTH- 'Types of North' , Finding out True North direction by-

- a) Equal Altitude Method,
- b) Inspection of the Earth
- c) Watch Method
- d) Compass Method
- e) Shadow and Map Method



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Defence and Strategic Studies
B.A / B.Sc – IVth Semester

Paper I : Evolution of Warfare in the Western World (Part- II)

UNIT I. American Military Experience

- a) American war of Independence (1776-1782),
- b) American Civil war (1861-1865)

UNIT II. World War - I : Causes, Trench warfare, Emergence of Mobile warfare (Battles of Somme and Cambrai).

UNIT III . World War - II: Causes, Development of armored warfare and Blitzkrieg attack, Desert warfare . Use of Atom Bomb and its impact

UNIT IV . Disarmament and Arms Control

- a) Meaning and Kinds of Disarmament, N.P.T & C.T.B.T
- b) Meaning of armaments and it's relevance

BOOKS SUGGESTED

Howard, Michael., War in European History, Oxford: Oxford University Press,1977.
Keegan, John., A History of Warfare, New York: Vintage,1993.
Neilberg, Michael,S., Warfare in World History, London / New York : Routledge,2001.
Singh, L.J., Armaments and World Peace (Hindi).
Singh, L.J., Western Military History Prakash Book Depot Bareilly (Hindi)

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Defence and Strategic Studies
B.A / B.Sc – IVth Semester

Paper II: India's National Security (Part-II)

Objective: To develop special subject knowledge on the vital concept of National Security and the approaches to achieve National Security (Special reference to India).

UNIT I . Geographical aspects of india's security

- a) Indias Location, Size, shape, topography, climate, population and Tarian
- b) Importance of Himalayas, Geographical linkage and Challenges with china and nepal
- c) Land's sea frontiers

UNIT II . Economic aspects of india's security

- a) Man Power, Natural resources
- b) Defence Industries and Technology
- c) Transport and Communication

UNIT III . Problems of Refugees

- a) Meaning, Classification and Causes of Migration.
- b) Concerning areas of refugees in india
- c) Challenge for India's national security

UNIT IV . Terrorism in India

- a) Definition, History, causes and kinds of terrorism
- b) Cross border terrorism in jammu and Kashmir
- c) Left wing extremism and growth of maoist insurgency in india
- d) Insurgency in north east states of india

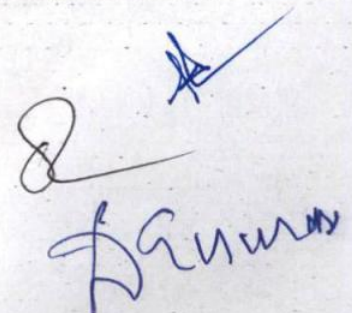
BOOKS SUGGESTED

National Defence and Security, L.J.Singh, Prakash Book Depot Bareilly (Hindi).

B.P.Singh, Sehgal, Global Terrorism: Socio-Political and Legal Dimensions, New Delhi: Deep & Deep Publications,1996.

Virender Grover, (ed)., Encyclopadia of International Terrorism: Terrorism, History and Development, Vol.1, New Delhi; Deep & Deep Publications,2002.

Virender Grover, (ed)., Encyclopadia of International Terrorism: Terrorism in World Countries, Vol.2, New Delhi: Deep & Deep Publications,2002.



Defence and Strategic Studies
B.A / B.Sc -IVth Semester

Practical

Elementary Tactics Upto-Infantry Section and Platoon Level

1. Sand Model-Meaning, Importance and preparing.
2. Study of Field Craft with reference to the following :
 - a) Ground
 - b) Cover
 - c) Camouflage
 - d) Concealment
 - e) Observation
3. Tactical Formations-Section and Platoon.
4. Detailed Study of an Infantry section and platoon including Organization Weapons and Equipments.
5. Operation Order
6. Application of Fire, Fire Control and Fire Control Orders.
7. Message Form

BOOKS SUGGESTED

Prayogic Sanya Vigyan, F.R.Khan, Hindi Granth Academy Bhopal(Hindi)

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Defence and Strategic Studies
B.A / B.Sc –Vth Semester

Paper I : Evolution of Strategic Thought

Objective: The paper provides basic knowledge about the concepts of selected strategic thinkers and their relevance even during the present times. To make the students realize the value of Strategic thought in policy formation.

UNIT I. Introduction

- a) Concept of strategic thought
- b) Kautilya's Philosophy of war

UNIT II. Linkages between War and Politics

- a) Concepts of Jomini
- b) Concepts of Clausewitz

UNIT III. Concepts on Sea, Air Power and Land

- a) A.T. Mahan
- b) Guilio Douhet
- b) J.F.C. Fuller
- c) B.H. Liddell Hart

UNIT IV. Concept of Revolutionary Warfare

- a) ~~b) Mao tse-tung~~ *Marx, Lenin*

BOOKS SUGGESTED

Adhikari, S., Strategic Chintan (Hindi).
 E.M. Earle (ed), Makers of Modern Strategy: Military Thought from Machiavelli to Hitler, 1948.
 Fuller, J.F.C., The Foundations of the Science of War (London, 1925).
 Murray, Williamson, Knox, MacGregor, and Bernstein, Alvin (eds.), The Making of Strategy, (Cambridge, 1994).
 Paret, Peter (ed.), Makers of Modern Strategy , (Princeton, 1986)
 Important Strategic Thinker of world, ramkrishan singh , rakesh singh rajwant singh , sharda pustak bhawan , Allahabad (Hindi)
 Strategical Thought, J.M.Shrivastav, Chandra Prakash and company, Hapur (Hindi)

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Defence and Strategic Studies
B.A / B.Sc –Vth Semester

Paper II : International Relations & Organisation

OBJECTIVE: In the contemporary world the survival of the mankind is conditioned by the facts of war and peace. The conditions of war and peace are influenced by various actors, viz., State, non-state and international organizations. This paper introduces the students to all these factors.

UNIT I. Introduction–Definition, Meaning and Scope of International Relations

- a) State, Nation, Nation-state, Concepts and Features.
- b) National Power , Components of National Power and its scope.
- c) Approaches’ to international relations, Mainstream theories, Idealist and realist.

UNIT II. Power Systems in International Relations

- a) International Power Structure , Definition, Meaning, and Scope- Uni Polar, Bi Polar & Multi Polar.
- b) Balance of Power ,Meaning and Definition, Characteristics and techniques of Balance of Power
- c) Collective Security.

UNIT III. International Organization and Scope

- a) International Organization – Origin, Growth & Functions
- b) The League of Nations – Origin, Organization, functions, and it’s failure
- c) The UNO – Origin, Aim, Structure, Scope and Functions.

UNIT IV. Regional Organization

- a) Origin, Development and functions of Regional Organizations- Its relevance and utility.
- b) SAARC – Origin, Objectives, Development and Functions.
- c) ASEAN- Origin, Objectives, Developments and Functions.
- d) Basic understanding of the E U.

BOOKS SUGGESTED

Chatterjee, Aneek., International Relations Today : Concept and Applications, New Delhi:
 Frankel, J., International Relations in a Changong World. Oxford University Press, 1977.
 Jackson, R. and G.Sorensen, Introduction to International Relations: Theory and Approaches,
 Oxford: Oxford University Press, 2003.
 Jain & Pant, International Relations (Hindi).
 Johari, J.C., International Relations and Politics, New Delhi: Sterling Publishers, 1985.
 Kumar Mahendra, Theoretical Aspects of International Politics (Hindi).
 Nicholson,M., International Relations : A Concise Introduction, New York : Palgrave,2002.
 Pahadia, B.L., Antarrashtriya Rajneeti.
 Palmer, N.D. and H.C.Perkins, International Relations, Boston: Houghton Mifflin,1953.
 Sharma, P.D., Antarrashtriya Rajneeti Ke Siddhantik Tatva.
 Singh, L.J., War and International Relations Since 1945 (Hindi).

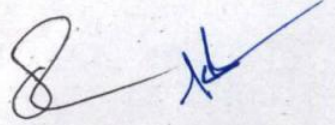
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Defence and Strategic Studies
B.A / B.Sc -Vth Semester

Practical

Sketching of Different strategical information on maps of world and india:-

- a) ASEAN
- b) Border Roads of India
- c) European Union
- d) G-4 and G-15
- e) Nuclear Power Stations of India
- f) NATO
- g) N.A.M Countries
- h) Nuclear Nations
- i) Nuclear Power Stations of India
- j) O.P.E.C
- k) Passes of Utrakhand- Niti, Mana, Lipulekh, Thagla, Muningla, Kingri-Bingri.
- l) SAARC
- m) U.N.O Countries


S. Kumar

Defence and Strategic Studies
B.A./B.Sc- VI Semester

Paper I: Problem of War and Peace

OBJECTIVE: The main objective of the paper is to acquaint the students about the multidimensional problems of war and peace.

UNIT I. Introduction and Concept of War

- a) Definition of war and warfare
- b) Causes of war
- c) Types of war- Limited war, Total war, Guerilla war, Nuclear war, Chemical and Biological war.

UNIT II. Economic and Legal Welfare

- a) War as an economic problem and mobilization of resources for war.
- b) Post war economy and re-construction
- c) Defence and development
- d) Settlement of International disputes.

UNIT III. Concept of Peace and it's Structure

- a) Concept of peace, peace making, peace building.
- b) Role of U.N.O. to maintain peace
- c) Non-Alignment and it's relevance in modern era
- d) Concept of Non-Violence by M.K. Gandhi

UNIT IV. Psychological Warfare

- a) Definition, Aim of psychological warfare
- b) Brain Washing and Indoctrination
- c) Propaganda
- d) Rumour

BOOKS SUGGESTED

Politics among nation, H.J. Morgenthau
 Post war economic problems, Saymour E Mirris
 The economics of defence in the nuclear age, Charles J.Hitch
 The study or war, Military Psychology and Problems of war & Peace, Singh L.J. Prakash
 book Deot, Bareilly (Hindi)
 Military Psychology and civil defence, capt. K.N.Srivastav, Chandra Prakash& Bros.
 Hapur(Hindi)
 Psychology for the armed services, Edwin G Boring, Natraj Publisher Dehradun
 Military Psychology, N.P.Tiwari, Chandra Prakash & Bros. Hapur(Hindi)

Defence and Strategic Studies
B.A./B.Sc- VI Semester

Paper II: Military History of Uttarakhand

OBJECTIVE: The main objective of the paper is to acquaint the students about one of the most important Himalayan state of India i.e. Uttarakhand and its military significance.

UNIT I. History and Geography of Uttarakhand

- a) Pre and Prehistoric period of Uttarakhand
- b) Popular Dynasty and Gorkha invasion in Uttarakhand
- c) British rule and freedom fighters from Uttarakhand
- d) Geo Strategic Importance of Uttarakhand- Location, Extension, Nature of boundaries, topography and climatic conditions.

UNIT II. Growth of Military Culture in Uttarakhand

- a) Introduction to Garhwal Rifle
- b) Introduction to Kumaon Regiment

UNIT III. Rise of Garhwal Rifle

- a) History, Location, Organization, Strength
- b) Role of Garhwal Rifle during World War I & II
- c) Military Operations, War Hero's and Battle Honors of Garhwal Rifle

UNIT IV. Rise of Kumaon Regiment

- a) History, Location, Organization, Strength
- b) Role of Kumaon Regiment in various military operations
- c) War Hero's and Battle Honors of Kumaon regiment

BOOKS SUGGESTED

Ajay Arora, Administrative history of Uttarakhand (Kumaon and Garhwal), during the rule of East India Company, 1815-1857

Pandit Om Khanduri, Uttarakhand-Uttaranchal Itihas Adi, Madhya, Aur Vartaman

Ghanshyam Joshi, Uttarakhand ka Rajnitik, Samajik evam Sanskritik Itihaas, IV Edition

Brig. Rajendra Singh, History of the Indian Army

J.P. Dalvi, Himalayan Blunder: The Curtain-Raiser to the Sino-Indian war of 1962

D.H. Drake-Brockman, With the Royal Garhwal Rifles in the Great War, from August 1914 to November 1917

Jasbir Singh, Roar of the Tiger: Illustrated History of operations in Kashmir by 4th Battalion the Kumaon Regiment in 1965 war

Defence and Strategic Studies
B.A / B.Sc –VIth Semester

Practical

M.M. 100

Part – A

- (i) News, Views and Reviews during the current session. **20Marks**
- (ii) Written Project Work on any issue of National and International importance. **20Marks**
- (iii) Give 10 minute talk on National & International affairs **15Marks**
- (iv) Techniques of Group – discussion Covering theme of the following subject – **15Marks**
 - (a) National Security
 - (b) Geo – Strategy
 - (c) Impact of Science and Technology on warfare

Part – B

- (i) Field Excursions/ Tour Report **30Marks**

Note: - In view of the courses of the Defence and Strategic 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 tour 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, Non-Teaching staff and the students of the concerned educational tour.

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