

FIRST YEAR (CERTIFICATE COURSE)
SEMESTER-I
CONCEPTUAL ASPECTS OF WAR

Objective: The student at the completion of the course will be able to: Clearly understand the definition, meaning and distinguish basic concepts of war; Various types of war and its various typologies, techniques and characteristics; and Grasp the concept and theories of nuclear war in detail.

Unit-I Conceptual Formulation

- A. Meaning and definition of Defence and Strategic Studies – Its relevance and significance, its relationship with other disciplines of study.
- B. War-Definition and meaning of basic concepts – War, Grand Strategy, Strategy, Tactics, Security and Defence.

Unit-II War

- A. Historical Evolution, Features and Causes.
- B. Principles of war.

Unit-III Typology of Warfare:

- A. Conventional and unconventional wars – Civil wars, Cold War, Guerilla war, Limited war, Total war, Psychological War, Economic War & Information War.
- B. ABC warfare – Atomic, Biological & Chemical warfare. WMDs

Suggested Readings:

1. Andreski S., (1968) Military Organization and Society, Univ. California Press, Berkeley.
2. Anthony James Joes, (1996) Guerrilla Conflict before the Cold War, (Praeger Publishers,
3. Aron R., (1966) Peace and War: A Theory of International Relations, Praeger, New York.
4. Barringer R., (1972) War: Patterns of Conflict, MIT Press, Cambridge, Mass.
5. Blainey G., (1973) The Causes Of War, Macmillan, London,.
6. Montgomery Viscount, (1983) A History of Warfare, William Morrow & Co, New York City.
7. Mukherji and Shyam Lal, (1952) A Textbook of Military Science, Vol. II., Navayuga, New Delhi.
8. Osanka, F.M., (1962) Modern Guerrilla Warfare, Free Press of Glencoe, New York.
9. Sidhu, K.S., (1988) War and Its Principles, Atlantic, New Delhi.
10. Tripathi, K.S., (1970) Evolution of Nuclear Strategies, Vikas, New Delhi
11. Van Evara, Stephen, (1999), Causes of War: Power and the Roots of Conflict, Cornell University Press, Ithaca.
12. Wright, Quincy, (1942) Study of War, University of Chicago Press.
13. सिंह डॉ. एल.जे. (2020), युद्ध का अध्ययन, सैन्य मनोविज्ञान एवं युद्ध व शान्ति की समस्याएं, प्रकाश बुक डिपो, बरेली।
14. सिंह, टण्डन, अग्रवाल (2012), युद्ध और शान्ति का अध्ययन, शारदा पुस्तक भवन, इलाहाबाद।
15. पाण्डेय बाबूराम एवं रामसूरत (2005), युद्ध और शान्ति के मूल तत्व, प्रकाश बुक डिपो, बरेली।
16. सिंह डॉ. बी.पी, कुमार डॉ. राहुल एवं कुमार डॉ. अमित (2021–22), युद्ध का अवधारणात्मक अध्ययन, चन्द्र प्रकाश एण्ड ब्रादर्स, हापुड़।

FIRST YEAR (CERTIFICATE COURSE)

SEMESTER-I

PRACTICAL

(Programme/Class: Certificate)	Year: First	Semester: I
Total No. of Lectures-Tutorials-Practical-30 (60 hours)		
Unit	Topic	No. of Lectures
I	MAP READING: Definition, Characteristics, Classification, Military Maps, Limitations, of the Maps, Map Marginal Information's, Orienting a Map, Care and Precaution of the Map, Topo-Sheet and its utility for Military.	08
II	Conventional Signs: Military and Geographical	06
III	SHEET NUMBER: Million Sheets, Quarter inch sheets, Half inch, sheets, One inch sheet.	06
IV	GRID SYSTEM: Indian Grid System, Map References, Four figure, Six Figure and Eight Figure Map References.	06
V	North: Types of North and finding out True North; The Pole Star Method; The equal altitude method; Watch method & Compass method.	04
Suggested Continuous Evaluation Methods: Test with multiple choice questions/short and long answer questions, or Record , Viva Voce		
Books Suggested 1. Military Map Reading by Gale and polden. 2. Prakriyatmak Sanya Vigyan (Hindi) Vol-1 & II by B.N.Maliwal. 3. Sainik Manchitra Vigyan-M.P.Verma. 4. Samrik Manchitra pathan (Hindi) Professor-Hazari Lal		

FIRST YEAR (CERTIFICATE COURSE)
SEMESTER-I
TERRORISM

Objective: This paper introduces the concept of Terrorism and its manifestations in historical perspective. Motivated organised violence targeting the population and the government threatening the existing social and political order has become very prevalent in today's world. Basic understanding of terrorism is essential to appreciate the events in right perspective.

Unit-I Introduction

- A. Definition and meaning of Terrorism.
- B. History of Terrorism.
- C. Nature and Tactics of Terrorism.

Unit-II Terrorism in perspective

- A. Causes of Terrorism.
- B. Types of Terrorism.
- C. Levels of Terrorism.

Unit-III Terrorism and India

- A. Kashmir- Cross-border terrorism.
- B. Major Terrorism attacks.
- C. Strategy to counter Terrorism.
- D. Terrorism rising as a global challenge.

Suggested Readings:

1. B.P.Singh, Sehgal, Global Terrorism: Socio-Political and Legal Dimensions, New Delhi: Deep & Deep Publications, 1996.
2. Virender Grover, (ed)., Encycloepadia of International Terrorism: Terrorism, History and Development, Vol.1, New Delhi; Deep & Deep Publications, 2002.
3. Virender Grover, (ed)., Encycloepadia of International Terrorism: Terrorism in World Countries, Vol.2, New Delhi: Deep & Deep Publications, 2002.
4. Walter Laqueur, Terrorism, Boston: Little Brown and Co., 1977.
5. Yonah Alexander, David Carton and Paul Wilkinson, Terrorism : Theory and Practice, Colorado: West View Press, 1979.

FIRST YEAR (CERTIFICATE COURSE)
SEMESTER-I
INTRODUCTION TO JOURNALISM

Objective: This provides background to the source. The History of Journalism is provided as a backdrop, against which the emergence of Press Council of India (PCI) is outlined

Unit-I Basics of Journalism.

- A. Meaning, Definition and the concept of Journalism.
- B. Qualities of a Journalist.
- C. Ethics of Journalism.

Unit-II Journalism - History and Trends.

- A. Growth and milestones in Journalism.
- B. Industrialization of the press: 1880 – 1920.
- C. Electronic changes after: 1920 – 1950.

Unit-III The Press Council of India.

- A. Emergence of the Press Council of India Powers and functions of the Press Council of India .
- B. Role of the Press Council in India

Unit-IV Terminology of modern Journalism

Suggested Readings:

1. Menon, P.K., Practical Journalism, Jaipur : Aavishkar Publishers & Distributors, 2005.
2. Dhara, R., Journalism, Calcutta Industry Publishers, 1945.
3. Basu, R.N., Handbook of Journalism, Jaipur: Pointer Publishers, 2005.
4. Kamath, M. V., The Journalist's Handbook, New Delhi : Vikas, 1980.
5. ----- Professional Journalism, New Delhi: Vikas, 1983.

FIRST YEAR (CERTIFICATE COURSE)
SEMESTER-II
EVOLUTION OF ART OF WAR IN INDIA

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. Types of war during Vedic period.
- B. Alexander's invasion of India (battle of Hydaspas).

Unit-II Military System of the Mauryan Period.

- A. Military organizations of Maurayas and Kautilya's philosophy of war.

Unit-III Military System of the Gupta Period.

- A. The Gupta's military organization.
- B. Military organization of Harshavardhana.

Unit-IV Rajput Military System.

- A. Mohammed Ghori's conquest of India (Battle of Tarrain I & II).
- B. Causes of Rajput failures in the middle ages.

Unit-V Military Systems of the Mughals.

- A. Foundation and Consolidation of the Mughal empire (First Battle of Panipat 1526 AD, Battle of Khanwa 1527 AD and Second battle of Panipat).
- B. The Mughal military organization, weapon system, art of war.

Unit-VI The Maratha Military System.

- A. The military organization of Shivaji.
- B. The Military Organization of Marathas.

Unit-VII The Sikh Military System.

- A. Rise of Sikhism and the Military Organizations of the Sikhs.

Unit-VIII British Conquest of India.

- A. The first war of Independence, the Great Mutiny of 1857A.D.
- B. The Military reforms under the Crown.

Suggested Readings:

1. Anjoli Nirmal, The Decisive Battles of Indian History, Jaipur: Pointer Publications, 1999.
2. Das, S.T., Indian Military: Its History and Development, Allahabad: KitabMahal,1979.
3. Majumdar, R.C., An Advanced History of India, New York: St.Martin, 1967.
4. Malleon, G.B., The Decisive Battles of India, London:W H.Allen, 1885
5. Roy, Koushik., From Hydespas to Kargil : A History of Warfare in India from 326 B.C. to A.D 1999, Delhi: Manohar, 2004.
6. Sarkar, Jadunath., Military History of India, Bombay: Orient Longmans, 1970.
7. Saxena, K.L.M., Military System of India-1850-1900, Delhi'1976.
8. Singh, L.J., Indian Military History (Hindi).
9. Singh, L.J., Kautilya's Philosophy of War (Hindi).
10. Tandan, Aggarwal, Singh, Bharatiya Yudh Kala (Hindi).
11. V.R.R. Dikshitar, Wars in Ancient India, 1948.

FIRST YEAR (CERTIFICATE COURSE)

SEMESTER-II

PRACTICAL

Programme/Class: Certificate	Year: First	Semester: II
Total No. of Lectures-Tutorials-Practical-30 (60 hours)		
Unit	Topic	No. of Lectures
I	Scale: Definition, Methods of representing Scale: Inter-conversion of scale into Representative Fraction, construction of simple scale line and the comparative scale lines.	08
II	Construction of scale.	06
III	Method of representing scale.	06
IV	Simple scale and comparative scale (Time and Distance).	06
V	Services Protector its uses.	04
This course can be opted as an elective by the students of following subjects: Open for all		
Suggested Continuous Evaluation Methods: Test with multiple choice questions/short and long answer questions or Record ,Viva Voce		

FIRST YEAR (CERTIFICATE COURSE)
SEMESTER-II
DISASTER MANAGEMENT

Objective: The course will provide general insight to understanding disaster management and approaches including appraising on disaster, typology and management along with various approaches.

Unit-I Disaster Management.

- A. Meaning and definition of disaster management.
- B. Concept and Significance.
- C. Approaches to Disaster Management-Elements, Rationale and Objectives.

Unit-II Typology of Disaster.

- A. Natural Disaster.
- B. Manmade Disaster.

Unit-III Policy.

- A. National.
- B. Options and significance.
- C. Disaster management support.

Unit-IV Elements of Disaster Management.

- A. Rescue.
- B. Relief .
- C. Rehabilitation.
- D. Mitigation.

Unit-V Disaster and War.

- A. Socio-economic effects,
- B. Health and environmental effects.
- C. Education for Disaster risk reduction.

Suggested Readings:

1. Bourriau, Janine; Understanding Catastrophe; Cambridge University Press, Cambridge, 1992. Carter,
2. W. Nick; Disaster Management - A Disaster Manager's Handbook, A.D.B., Manila, Philippines, 1991.
3. Coppola, P. Damon, Introduction to International Disaster Management. Elsevier, Oxford, 2006.
4. Garlake, Teresa, Dealing with Disasters, Oxfam, Oxford, 2000.
5. Goel SL and Ram Kumar, Disaster Management, Deep & Deep Publications, New Delhi, 2001,
6. Goel, S.L. Encyclopedia of Disaster Management, Deep and Deep Publications, New Delhi, 2006.
7. Keller, A Edward, Environmental Geology, Prentice Hall, New Delhi, 2010.
8. Monappa, K.C., Disaster Preparedness Akshay Public Agencies, New Delhi, 2004.

FIRST YEAR (CERTIFICATE COURSE)
SEMESTER-II
NEWS AND CONTENT ANALYSIS

Objective: This paper attempts at explaining the fundamental components of journalism-the News it also outlines the News Writing Procedures.

Unit-I Defining News.

- A. The ingredients of News.
- B. Sources of News.
- C. Reporting.

Unit-II News Content.

- A. Headlines.
- B. Columns.
- C. Features (Art, Entertainment, sports etc).

Unit-III News Writing Procedures.

- A. The paper and Headings.
- B. Brief paragraphing and Readability.
- C. Unusual or incorrect material.

Unit-IV Newspaper.

- A. Making up the Newspaper & aids to clarity.
- B. Editorials.
- C. Editorial policy.

Suggested Readings:

1. Basu, R.N., News Reporting, Jaipur: Aavishkar Publishers, 2005.
2. Menon, P.K., Electronic Media and Broadcasting, Jaipur: Aavishkar Publishers, 2006.
3. Ganesh, T.K., News Reporting and Editing in Digital Age, Delhi: GNOSIS, 2006.
4. Cambell, Laurence Raudolph, How to Report and Write News, New Delhi: 1961.

SECOND YEAR (DIPLOMA COURSE)
SEMESTER-III
FUNDAMENTALS OF INDIA'S NATIONAL SECURITY

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 features of the Concept of National Security.
- B. Concept of National Power – elements of national power (tangible and intangible).
- C. Fundamental factors, Values, goals and policies that determine National Security.

Unit-II Foreign Policy and Defence Policy.

- A. Definition, Meaning, Scope & Determinants of Defence Policy.
- B. Definition, Meaning, Scope, & Determinants of Foreign Policy.
- C. Linkage between Foreign policy and Defence policy.

Unit-III Threats to National Security.

- A. Meaning and Definition of Threat.
- B. Threat Perception.
- C. Types of threats and Threats to India.

Unit-IV Strategic Environment of India.

- A. Features of strategic environment – its scope in policy making.
- B. India's Strategic environment - Immediate Neighbours, Adjacent Regions, Indian Ocean.

Suggested Readings:

1. Bajpai, U.S. (ed) India's Security : The Politico-Strategic Environment, New Delhi :Lancers Books, 1983.
2. Barry, Buzon., People, State and Fear : The National Security Problems in International Relations, Sussex ; Wheatsheaf Books, 1983.
3. Dixit, J.N., Across Borders: Fifty Years of India's Foreign Policy, New Delhi: Picus Books, 1998.
4. Jayaramu, P.S., India's National Security and Foreign Policy, New Delhi: ABC Publishers, 1978.
5. Kaul, T.N., India and the New World Order, Vol. 1, New Delhi: Gyan, 2000,
6. Kux, Dennis, Estranged Democracies: India and the United States 1941 - 1991, New Delhi: Sage Publications, 1994.
7. Satish Kumar, (ed), Yearbook on India's Foreign Policy, New Delhi : Deep & Deep, 1993.
8. Singh, L.J., National Defence and Security
9. Singh, L.J., National Security.
10. Singh, L.J., Nature of War and North African Campaign (Hindi).

SECOND YEAR (DIPLOMA COURSE)

SEMESTER-III

PRACTICAL

Programme/Class: Diploma Course	Year: Second	Semester: III
Total No. of Lectures-Tutorials-Practical-30 (60 hours)		
Unit	Topic	No. of Lectures
I	Relief Features and their representation on the map.	06
II	Types of slopes and their representation on the map	08
III	Gradient – Determination of gradients.	06
IV	Inter visibility – Determination of inter visibility in case of rise or fall of slope.	10
This course can be opted as an elective by the students of following subjects: Open for all		
Suggested Continuous Evaluation Methods:		
Test with multiple choice questions/short and long answer questions,orRecord ,Viva Voce		

SECOND YEAR (DIPLOMA COURSE)
SEMESTER-III
CYBER SECURITY AND ARTIFICIAL INTELLIGENCE

Unit-I Information Security.

- A. Classification Security.
- B. Protective Measures.
- C. Investigation.
- D. Responsibility

Unit-II Information and Cyber Security Management.

- A. Information Security and Personal Practices.
- B. Threats and Counter Measures.

Unit-III Laws of Cyber Security.

- A. Indian Laws on Cyber Security.
- B. Management of Cyber Security.

Unit-IV Introduction and Basic concept of Artificial Intelligence.

- A. Meaning and Definition.
- B. Utility of Artificial Intelligence.

Unit-V Artificial Intelligence and National Security.

- A. Use of Artificial Intelligence in Armed Forces.
- B. Artificial intelligence in Military control and Military Operations.
- C. Role of Artificial Intelligence in National Security.

Suggested Readings:

1. Pavan Duggal, Textbook On Cyber Law, Tiniversal Law Publishing co, 2 edition, 2016 .
2. Aparna Viswanathan, Cyber Law- Indian And International Perspectives On Key.
3. Topics including Data security, E-Commerce, Cloud Computing And Cyber Crimes, Lexis Nexis; First edition 2012
4. Artificial Intelligence Sharbani Bhattacharya, University Science Pres, edition 2009
5. Artificial intelligence, Pankaj Sharma SK Kataria & e Sons edition 2009

SECOND YEAR (DIPLOMA COURSE)
SEMESTER-III
BASICS OF DEFENCE JOURNALISM

Objective : To Prepare the students in handling a specialized field of journalism i.e. defence journalism

Unit-I Introduction.

- A. Defence Journalism - its features.
- B. Civil Journalism & Defence journalism differences.
- C. Defence Writing - Need for specialist.
- D. Defence Journalism – As a Profession.

Unit-III Defence News.

- A. Meaning and Defining Defence News.
- B. Kinds of Sources of defence News.
- C. Defence Writing Procedure.

Unit-IV Defence Reporting.

- A. Format languages and grammar.
- B. Forms - Eye witness, computer assigned features.
- C. Concept of Graphics and Animation (Role of Modern Technology).

Unit-V Defence Terminology.

- A. Defence terms & Abbreviations.
- B. Military terms – Weapons, Weapons system.
- C. Defence organization - Rank and Rank structure in the services in India.

Suggested Readings:

1. Bhatt, S.C., Practical Journalism, Jaipur: Aavishkar, 2005.
2. Chatterjee, R.K., Mass Communication, New Delhi: National Book Trust, 1973.
3. Dhara, R., Journalism, Calcutta: Industry Publishers, 1945.
4. Waren „K Agrie., (ed)., The Press and the Public Interest, Washington, D.C., Public Affairs Press, 1968.

SECOND YEAR (DIPLOMA COURSE)
SEMESTER- IV
ECONOMIC ASPECTS OF NATIONAL SECURITY

Objective: After undergoing this course a student will be in a position to Mutual complementarities of economics and security would be learnt through this course. Also students learn the art of mobilizing resources for war, be it physical, fiscal or moral; and The importance of Logistics in War and the role of Defence Planning, Programming and Budgeting in India.

Unit-I Defence Economics: Meaning, Definition and Scope.

Unit-II Defence and Development: Concept and its implications for India;

Unit-III Economic Warfare; Effects of War on National Economy.

Unit-IV Assessment of War Potential (Resources of War) of a nation;

Unit-V Mobilization of Resources for War with reference to Physical, Fiscal and Moral Mobilization.

Unit-VI Importance of Logistics in War.

Unit-VII Defence Planning, Programming and Budgeting in India.

Suggested Readings:

1. Ghosh, A. K., (1996) India's Defence Budget and Expenditure Management in wider Context, Lancer, New Delhi.
2. Clark, J.J., (1996) The New Economics of National Defence, Random House.
3. Jack, D.T., (1940) Studies in Economic Warfare, PS King & Sons, London.
4. Jalan, B. (2000) India's economic policy- preparing for 21st century, Penguin, New Delhi.
5. Knor, Klaus, (1962) War Potential of the Nations, Princeton University Press.
6. Mathews, Ron, (1998) Defence production in India, ABC Publishers, New Delhi.
7. Sandler T., Hartley K, (1995) The Economics of Defence, Cambridge University Press.
8. Singh Jasjit, (2001) India's Defence Spending, Knowledge World, New Delhi.
9. Subramanyam, K, (1972) Perspective in Defence Planning, Abhinav Publications, New Delhi.
10. Subramanyam, K, (1973) Defence and Development, Minerva, Calcutta.
11. Thomas, Raju G. C., (1978) The Defence of India: A Budgetary Perspective of Strategy and Politics, Macmillan, Bombay.

SECOND YEAR (DIPLOMA COURSE)

SEMESTER- IV

PRACTICAL

Programme/Class: Diploma Course	Year: Second	Semester: IV
Total No. of Lectures-Tutorials-Practical-30 (60 hours)		
Unit	Topic	No. of Lectures
I	Liquid Prismatic Compass (LPC): Features and functions of its various parts: Attempt following exercise on the LPC: To determine magnetic north; Setting of the Map.	10
II	To determine one's and enemy's position on the map by resection and intersection methods with the help of compass.	06
III	Different method of marching in day and night	04
IV	Compass variation and Determination of individual compass error. (ICE)	04
V	To find out the bearing of a point from other point situated on the ground.	06
This course can be opted as an elective by the students of following subjects: Open for all		
Suggested Continuous Evaluation Methods: Test with multiple choice questions/short and long answer questions or Record ,Viva Voce		

SECOND YEAR (DIPLOMA COURSE)
SEMESTER- IV
HUMAN RIGHTS AND HUMANITARIAN LAW

Unit-I Definition and evolution of the concept.

- A. Meaning, Nature and Development.
- B. Three Generation Rights.

Unit-II United Nations & Human Rights.

- A. UN Charter and the Universal Declaration of Human Rights.
- B. International Conventions and Covenants.

Unit-III Indian Perspective.

- A. Human Rights in Indian tradition- Civil, Political, Economic, Cultural Rights
Women's Rights.
- B. Constitutional & Legal framework in India- Human Rights Commission & Special
Commission for weaker section.

Unit-IV Issues and Challenges.

- A. Human Rights and challenges - ethnic conflict, social & political violence,
terrorism, environmental sources.
- B. Rights of Refugees.
- C. Internally Displaced people.

Suggested Readings:

1. Bajwa, G.S., Human Rights in India : Implementations and Violations, New Delhi :Sterling, 1995.
2. Deshta, S., Deshta, K., Fundamental Human Rights, New Delhi : Deep & Deep, 2003.
3. Donnelly, Jack., The Concept of Human Rights, New York : St.Martin, 1985.
4. Gibson, John, S., Dictionary of International Human Rights Law, Lanham, MD: Scarecrow Press, 1996.
5. Mehta, P.L., Verma,N., Human Rights Under the Indian Constitution, New Delhi : Deep & Deep, 1999.
6. Sehgal, B.P.S., Human Rights in India : Problems and Prospects, New Delhi : Deep & Deep' 2004

SECOND YEAR (DIPLOMA COURSE)
SEMESTER- IV
INTRODUCTION TO INDUSTRIAL SECURITY MANAGEMENT

Unit-I Security: Conceptual Aspects.

- A. Introduction.
- B. Security: Definition, Meaning and Scope/Concepts.
- C. Type of Security.
- D. Type of security Service.
- E. Role of private Security Service.

Unit-II Functions of security.

- A. Preventive Security.
- B. Protective Security.
- C. Detective security.
- D. Punitive security.

Unit-III Security Awareness.

- A. Introduction, Concept, Scope and Nature.
- B. The Security Awareness program.

Unit-IV Access control system.

- A. Varieties and access controls.
- B. Electronic security system.
- C. Prevention of mischief and sabotage.

Suggested Readings:

1. Sharma R.P. (2005), Industrial Security Management.
2. Subramanian. S. (2006), Industrial Security Management.
3. Russell, David L., Arlow, Pieter C. (2015), Industrial Security : Managing Security in the 21th Century.
4. Burstein, Harvey, (1986), Industrial Security Management.
5. Mccrie, Robert (2011), Security Operations Management.
6. Landucci Gabriele, Khakzad Nima, Reniers (2020), Physical Security in the Process Industry: Theory with Applications.

THIRD YEAR (DEGREE COURSE)

SEMESTER-V

Defence Mechanism of India

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.
- B. Role and function of Ministry of Defence.
- C. Composition and function of Cabinet Committee on Security, NSC, NSAB.
- D. Chief of Staff and joint service Organization.
- E. Role and function of Chief of Defence Staff (CDS)

Unit -II The Indian Defence Forces.

- A. Rank Structure of the Three Services.
- B. Recruitment methods for Defence Services.
- C. Important training Institution of the Three Services.
- D. Second line defence (introduction of BSF,CG, CISF,RR, ITBP, SSB)

Unit -III Organization of Armed Forces.

- A. Organization of Army, Air force, Naval Headquarters .
- B. Static and Field formation of Indian Army, Air Force, Navy.
- C. Important Weapons of Indian Army, Air Force, Navy.

Unit -IV Intelligence

- A. Agencies:their Organisation.
- B. Role of Intelligence agencies, their problems.
- C. Defence Intelligence Agency (DIA)

Suggested Readings:

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

THIRD YEAR (DEGREE COURSE)
SEMESTER-V
INDIA'S MARITIME SECURITY

Objective: After undergoing this course a student will be in a position to Realize the importance of oceans for a state in terms of its survival and sustenance, especially India being a peninsular country. Besides, also get exposure on various threats emanating from the seas; and Also understand and realize various existing policy measures and mechanisms to handle the threats from the sea.

Unit-I Geo-political and geo-strategic significance of Indian Ocean.

Unit-II Economic significance of Indian Ocean region.

Unit-III Regional conflicts in Indian Ocean Region.

Unit-IV Extra-regional powers' interests and involvement in Indian Ocean.

Unit-V India's strategic perspective, maritime interests and threat perceptions in Indian Ocean.

Unit-VI India's maritime/naval capabilities.

Suggested Readings:

1. Chaudhury Rahul Roy, (1995) Sea power and Indian security, Brassey's, London
2. Chaudhury Rahul Roy, (2000), India's Maritime Security, Knowledge World, New Delhi.
3. C. Uday Bhaskar, and Cdr KK Agnihotri, (2011) Security Challenges along the Indian Ocean Littoral, Indian and US Perspectives, National Maritime Foundation, New Delhi.
4. K. M Panikkar, (1951), India and the Indian Ocean, Allen & Unwin, London.
5. Martin, L.W. (1967), Sea in modern strategy, Chatto & Windus.
6. Mishra R.N, (1986), Indian Ocean and India's Security, Mittal Publications, New Delhi.
7. Naidu, GVC, (2000) Indian Navy and Southeast Asia, IDSA, New Delhi.

**SEMESTER-V
PRACTICAL**

Programme/Class: Degree Course	Year: Third	Semester: V
Total No. of Lectures-Tutorials-Practical-30 (60 hours)		
Unit	Topic	No. of Lectures
	Elementary Tactics Upto-Infantry Platoon Level-I	
I	Sand Model: Meaning, Importance and preparing.	06
II	Detailed Study of an Infantry Section including Organization Weapons and Equipments.	08
III	Section Formations: Section in Attack, Section in Defence, Section in Withdrawl	06
IV	Study of Field Craft with reference to the following : a) Ground b) Cover c) Camouflage d) Concealment e) Observation	10
This course can be opted as an elective by the students of following subjects: Open for all		
Suggested Continuous Evaluation Methods: Test with multiple choice questions/short and long answer questions or Record ,Viva Voce		

THIRD YEAR (DEGREE COURSE)

SEMESTER-V

Vocational Course/Field Visit/Entrepreneurship Skills

BACHELOR PROGRAMME	
Year: III	Semester: V
Subject: Defence, Strategic and Geo Political Studies	
Type of Paper: Vocational Course/Field Visit/Entrepreneurship Skills (4 Credits Per Course)	
Paper Code : VC/FV/ESDSS01	Paper Name: Border Management
Outline	Visit of Border Area, Border Issues and Challenges and Study of Border Development Programmes.

Vocational Course/Field Visit/Entrepreneurship Skills Outcome: Students will be able to understand Border Structure, nature of threats and Challenges also various Border Development Programmes (B.D.P.).

THIRD YEAR (DEGREE COURSE)

SEMESTER-VI

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. Machiavelli's views on the art of war.
- B. Jomini's concept of war, strategy, tactics and logistics.
- C. Clausewitz's theories of war.

Unit - III Concepts on Land, Sea, and Air Power.

- A. J.F.C. Fuller's concept of Armoured warfare.
- B. B.H. Liddel Hart's view on mobile warfare strategy of indirect approach and Total war.
- C. A.T. Mahan's view on Sea power and Naval power.
- D. Douhet's theory of Air power in modern warfare.

Unit - IV Concept of Revolutionary Warfare.

- A. Karl Marx and Fredrick Engles- Their Concept of revolutionary war.
- B. V.I. Lenin-Soviet concept of revolutionary war.
- C. Mao-Tes-Tung's views on strategy and tactics of Guerrilla warfare.

Suggested Readings:

1. Adhikari, S., Strategic Chintan (Hindi).
2. E.M. Earle (ed), Makers of Modern Strategy: Military Thought from Machiavelli to Hitler, 1948.
3. Fuller, J.F.C., The Foundations of the Science of War (London, 1925).
4. Murray, Williamson, Knox, MacGregor, and Bernstein, Alvin (eds.) , The Making of Strategy, (Cambridge, 1994).
5. Paret, Peter (ed.), Makers of Modern Strategy , (Princeton, 1986)11.
6. Singh, L.J., Kautilya's Philosophy of War.
7. LJ Saingh, Strategic Chintak (Hindi).
8. Adhikari S. Strategic Chintan (Hindi).
9. Tripathi, K.S., Evolution of Nuclear Strategy, (Delhi, 1980).

THIRD YEAR (DEGREE COURSE)
SEMESTER-VI
CONTEMPORARY STRATEGIC ENVIRONMENT

Objective: After undergoing this course a student will be in a position to Learn contemporary challenges to peace and stability in the world. The contemporary problems of international threats like ISIS, Uyghers, Jaish e Mohammed, Islamic fundamentalism and other issues threatening international peace and security; and The course also makes them learn to contemplate response mechanisms to solve conflictual issues.

Unit - I Afghanistan in Post Taliban Period and. Islamic Fundamentalism in Af-Pak region.

Unit - II ISIS and Conflict in Iraq and Syria: Challenges and Responses.

Unit - III Conflict in South China Sea: Contemporary Trends.

Unit - IV Problem of Jammu & Kashmir: Genesis and Contemporary Trends.

Unit - V Uyghur Crisis in China: Genesis and Contemporary Trends.

Unit - VI Russia-Ukraine Conflict : Genesis and Contemporary Trends.

Suggested Readings:

1. Buzan, Barry and Waever, Ole (eds) (2003) Regions and Powers, Cambridge.
2. Chauhan, Sharad S., (2003) War on Iraq:, APH Publishers, New Delhi.
3. Cooley, John K., (2000) Unholy Wars, Penguin Books, New Delhi.
4. Gilbert, Adrian, (2000) The Encyclopedia of Warfare, Grange Books, Kent.
5. Goldstein, Joshua S, (1994) International Relations, Harper-Collins New York.
6. Hiro, Dilip, (2002) War without End, Routledge, London.
7. Laqueur, Walter, (2003) No End to War, Continuum, New York.
8. Midlarsky, Manus I. (ed.) (1989) Handbook of War Studies, Unwin Hyman, London.
9. Moore, John Norton (ed) (1977) The Arab-Israeli Conflict, Princeton University Press.
10. Nye, Joseph S. (2008) Understanding International Conflicts: An Introduction to Theory and History (7th Edition), Longman.
11. Noah Coburn, (2016). Losing Afghanistan, Stanford University Press, Stanford, California.
12. Tomsen Peter, (2011) The Wars of Afghanistan: Messianic Terrorism, Tribal Conflicts, and the Failures of Great Powers, Public Affairs, New York. \
13. Tucker, Spencer C. (2001) Who's Who in Twentieth-Century Warfare, Routledge, London.

THIRD YEAR (DEGREE COURSE)

**SEMESTER-VI
PRACTICAL**

Programme/Class: Degree	Year: Third	Semester: VI
Course		
Total No. of Lectures-Tutorials-Practical-30 (60 hours)		
Unit	Topic	No. of Lectures
	Elementary Tactics Upto-Infantry Platoon Level-II	
I	Platoon Formation, Tactical Formation of Platoon, Platoon in Attack, Platoon in Defence, Platoon in Withdrawl.	08
II	Detailed Study of an Infantry platoon including Organization Weapons and Equipments.	10
III	Application of Fire, Fire Control and Fire Control Orders.	06
IV	Verbal Order.	06
This course can be opted as an elective by the students of following subjects: Open for all		
Suggested Continuous Evaluation Methods: Test with multiple choice questions/short and long answer questions or Record ,Viva Voce		

THIRD YEAR (DEGREE COURSE)
SEMESTER-VI
Vocational Course/Field Visit/Entrepreneurship Skills

BACHELOR PROGRAMME	
Year: III	Semester: VI
Subject: Defence, Strategic and Geo Political Studies	
Type of Paper: Vocational Course/Field Visit/Entrepreneurship Skills (4 Credits Per Course)	
Paper Code : VC/FV/ESDSS02	Paper Name: Defence Tourism
Outline	In view of the courses of the Defence, Strategic and Geo Political Studies. The Student are required to visit the installation of military, signification so as to enable them to understand the ground realities.

Vocational Course/Field Visit/Entrepreneurship Skills Outcome: Students will able to understand the installation of military signification and their importance in nation building.

FORTH YEAR (WITH RESEARCH)

SEMESTER-VII

International Relations and Conflict Resolutions

Unit-I International Relations- Concept, Nature, Scope and its Historical Evolution.

Unit-II Theories and Approaches.

- A. System Theory
- B. Decision Making Theory
- C. Communication Theory
- D. Game Theory

Unit-III

- A. Power and National Interest
- B. Ideology and Foreign Policy

Unit-IV

- A. Main features of India's Foreign Policy.
- B. Development of International Relations between
 - 1. India and Super Power
 - 2. India and Neighboring Countries

Unit IV Ware Politics

- A. Nature of conflict Inter State & Intra-State.
- B. War as an instrument of National Policy.

Unit-IV

- A. Regional Conflict and Role of UN.
- B. Peace keeping in International Politics.

Suggested Readings:

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
16. Indo- U.S. Relations and Peace Prospects in South West Indian ocean – Agrwal A.
17. Indo Tibet Chaina Conflict – Lal, D.
18. International conflicts and Peace making Porcess – Chandra S. ETC
19. Pakistan in Regional and Global Politics – Rajshree Jetly
20. U.S. Policy Towards South Asia with Spl. Reference to Indo Pak Politics – Aflab Alam
21. U.S. Military Aid to Pakistan and India Security – Aftab Alam
22. India's Foreign Policy – W. Chiman
23. The Impact of war on International Relation Since 1945 – Lallanji Singh
24. National Defence and Security (P.C.S.) Lallanji Singh
25. India and The Cold war – K.P.S. Menon

FORTH YEAR (WITH RESEARCH)

SEMESTER-VII

International Law and International Security

Unit-I

- A. Nature and Definition of International Law.
- B. Sources and Historical development of International Law.
- C. Relationship between International Law and Municipal Law.

Unit-II Laws of war-I

- A. War- Its Legal character and Its effects.
- B. Pacific and Coercive means to settle International disputes or/ Settlement of disputes.

Unit-III Law of war –II

- A. Law of Land warfare
- B. Law of Air warfare
- C. Law of Sea warfare
- D. Law of Nuclear warfare

Unit-IV Laws of Neutrality

- A. Definition and Characteristics of Neutrality, Right and duties of Neutral State.
- B. Intervention

Unit-V Legal Mechanisms.

- A. Blockade-Concept establishments, Breach blockade, Long distance blockade.
- B. Contraband – Meaning and Definition, Absolute and Conditional Contraband blockade.
- C. Prize courts- Its role and Importance.
- D. Role and functions of International Court of Justice.

Suggested Readings:

1. International Law and Politics of Intervention – Md Shahid, Md Khalid
2. International Law Vol I and II – Oppenheim
3. International Law – J. Starke
4. International Law – Fenwick
5. International Law – Dhokqalia R.P.
6. Principles of Public International Law – Brownlie Ian
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
10. Legal control of International Conflicts – Stone Julius
11. Modern International Law of war – Castern
12. Study of war Vol. I and II.
13. The Relativity of war and Peace Vol. I and II - Carb

FORTH YEAR (WITH RESEARCH)

SEMESTER-VII

PRACTICAL

Programme/Class: With Research	Year: Forth	Semester: VII
Total No. of Lectures-Tutorials-Practical-30 (60 hours)		
Unit	Topic	No. of Lectures
	International Relation and Conflict Resolution	
I	News Paper Cutting on National and International Affairs during Semester.	06
II	Give a 10 Minute Talk on National and International Affairs.	06
III	Group discussion Covering theme of the following. a) National Security b) International Security c) Geo Strategy	08
IV	Sketching following on the world map. 1) G-15 2) G-8 3) ASEAN 4) OPEC 5) NATO 6) SAARC	10
This course can be opted as an elective by the students of following subjects: Open for all		
Suggested Continuous Evaluation Methods: Test with multiple choice questions/short and long answer questions or Record ,Viva Voce		

FORTH YEAR (WITH RESEARCH)

SEMESTER-VII
RESEARCH METHODOLOGY

Unit-I Social investigation and Social research.

- A. Meaning of social research.
- B. Aim of social research.
- C. Nature of social research.
- D. Kind of social research.
- E. Utility of social research.

Unit-II Hypothesis- Definition, Function, Characteristics and types.

Unit-III

- A. Sampling-Concept, Principles, and types.
- B. Research Design- Definition, function and types.

Unit-IV Qualitative and Quantitative research methods.

Unit-V

- A. Historical Method.
- B. Data collection and Processing-Observation, Questionnaires Schedules, Interview.

Unit-VI

- A. Types of source of data with special reference to Primary and Secondary data.
- B. Research and use of Computer.

FORTH YEAR (WITH RESEARCH)

SEMESTER-VII

MODERN WARFARE

Objective: This paper describes the various types of warfare that are taught in the world. Goal isto understand the different types of war waged by nations at large.

Unit-I History of Warfare: Feature of warfare at various historical stages –its contemporary features, Causes of Warfare.

Unit-II Psychological Warfare: Nature, Definition, Techniques and Relevance in Present Times.

Unit-III Biological and Chemical Warfare: Concept and objectives, Characteristics, Methods, Typesof agents and Methods of Use, Recent Trends.

Unit-IV Guerilla Warfare: Concept and objectives, Characteristics, Techniques, Elementary knowledge of Insurgency and Counter Insurgency.

Unit-V Economic Warfare: Concept and objectives, Characteristics, Techniques.

Unit-VI Nuclear warfare: Concept Origin, Effects of Nuclear War, WMDs, Elementary knowledgeof Missiles.

Unit-VI Warfare in independent India: Briefly study of the causes, outline, result and lessons learnt of the following battles ofIndependent India.

- A. Kashmir Operations 1947-48
- B. Chinese Aggression 1962
- C. Indo-Pak Conflict 1965
- D. Bangladesh Liberation War 1971
- E. Kargil Operations 1999

Suggested Readings:

1. Asprey, R.B., War in the Shadows (London,1975)
2. Brig. A.A.K. Choudary, September, 1965, Karachi: Oxford University Press, 1990.
3. Brig. John, P. Dalvi, Himalayan Blunder, New Delhi: Nataraj, 1967.
4. Brown, F.J., Chemical Warfare : a Study in Restraint, (Princeton,1968)
5. Fairbairn, G., Revolutionary Guerilla Warfare (Harmondsworth,1974)
6. Gaurav, G.Sawant, Dateline Kargil, New Delhi: Vikas, 2007.
7. Gen. V.P.Malik, Kargil : From Surprise yo Victory, New Delhi : Harper & Collins, 2006.
8. Herbert Feis, The Atomic Bomb and the End of World War II (Princeton, 1966)
9. Kaul,B.N., Untold Story, Delhi : Allied,1967.
10. Lawrence Freeman, The Evolution of Nuclear Strategy (London,1981)

11. Lt. Gen. J.F.R.Jacob, Surrender of Dacca, New Delhi: Manohar, 1997.
12. Lt.Gen. A.A.K. Niazi, Betrayal of East Pakistan, Karachi: Oxford University Press, 1990.
13. Maj. Sitaram Johri, The Indo - Pakistan Conflict of 1965, Lucknow: Himalayas, 1967.
14. Maj.Gen. D.K.Palit, Lightening Campaign, New Delhi:Thompson Press, 1972.
15. Maliwal, B.N., Sthal Yuddh Kala.
16. Mankekar, D.R., 22 Fateful Days, New Delhi: Vikas, 1967.
17. Maxwell, Neville., India's China War, New Delhi: Orient Longman, 1972.
18. Menon, V.K. Krishna, India and the Chinese Invasion, Bombay: Contemporary, 1963.
19. Moosa, M., My Version, India - Pakistan War, 1965, Lahore, 1983.
20. Palit, D.K., War in High Himalaya: The Indian Army in Crisis, 1962, Delhi: Lancer,1991.
21. Philip M. Taylor, Munitions of the Mind: War Propaganda from the Ancient World to the Nuclear Age, (Wellingborough, 1990)
22. Prasad,S.N., and Dharampal, History of Operations in Jammu & Kashmir, (1947 - 48), HistoryDivision, Ministry of Defence, Govt. of India, New Delhi,1987.
23. Qualter, T.H., Propaganda and Psychological Warfare, (New York, 1962)
24. Singh, L.J., Nature of War and North African Campaign (Hindi).
25. Sinha,S.K., Operation Rescue - Military Operations in J&K 1947-48, Delhi : Vision,1977.
26. SIPRI, The Problem of Chemical and Biological Warfare (4 Vols, New York, 1971)
27. The Kargil Committee Review Report, From Surprise to Reckoning, New Delhi: Sage, 2000.
28. Vice.Admiral N.Krishnan, No way but Surrender, Delhi: ABC Publishers, 1989.
29. Walter Laqueur, Guerilla, (London,1977)

FORTH YEAR (WITH RESEARCH)

SEMESTER-VII
CHALLENGES TO INDIA'S INTERNAL SECURITY

Unit-I

- A. Concept Of State/Nation State

Unit-II

- (A) Threats to Internal Security
- (B) Boundary Management and It's Role

Unit-III Approaches of the Problems of Internal Security

- (A) Role of Society And it's Culture
- (B) Role of Political Institutions and Governance
- (C) Role of Armed Forces
- (D) Role of Media

Unit-IV Case Study of States

- (A) Kashmir Issue
- (B) Naxalite Problems
- (C) Agitation Over Economic-Development issues
- (D) Agitation Over religion, land and Cast Issues

Unit-V Role of External Powers

- Drug Trafficking and Proliferation of Small Arms

FORTH YEAR (WITH RESEARCH)

SEMESTER-VII
RESEARCH WRITING AND ETHICS

Unit-I PHILOSOPHY AND ETHECS.

- A. Introduction to philosophy: Definition, Nature and Scope, Concept, Branches.
- B. Ethics: Definition, Moral Philosophy, Nature of Modal Judgements and Reaction.

Unit-II SCIENTIFIC CONDUCT.

- A. Ethics with respect to science and research.
- B. Intellectual Honesty and Research Integrity.
- C. Scientific Misconducts: Falsification, Fabrication and Plagiarism (FFP).

Unit-III WRITING/PUBLICATION ETHICS.

- A. Writing/Publication Ethics: Definition, Introduction and Importance.
- B. Best Practices/Standards setting Initiatives and Guidelines: COPE, WAME etc.
- C. Publication Misconduct: Definition, Concept, Problems that lead to Unethical Behaviour and Vice Versa types.

Unit-IV PUBLICATION MISCONDUCT.

- A. Group Discussions.
 - 1. Subject specific ethical issues, FFP, authorship.
 - 2. Complaints and appeals : Examples and fraud from India and abroad.
- B. Software tools.
 - 1. Use of plagiarism software like Turnitin, Urkund and other open sourcesoftware tools.

FORTH YEAR (WITH RESEARCH)

SEMESTER-VIII

GEO-POLITICAL AND 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. Special reference of Laddak, Kashmir and Uttarakhand.
- B. Central regions of India .
- C. Western regions of India.

Unit-IV

Military Geography and Defence Problems: -

- A. Nature of boundaries and Causes of Conflict among nations land and sea Frontiers.
- B. Sino-Indian, Indo-Pak. Indo-Bangladesh border disputes and India Continental Strategy withher neighbors.

Suggested Readings:

1. HlimalayanKigdoms - P. Karant and M. Jenkins
2. Himalayan Border Land Rain Ralul
3. Sikkim and Bhutan Cloude& White
4. Security in South Asia SP. 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. Polities of the Indian Ocean - K.R. Singh

FORTH YEAR (WITH RESEARCH)

SEMESTER-VIII

Insurgency and Counter Insurgency

Unit-I

- a) History of Guerrilla warfare.
- b) Revolutionary wars and Guerrilla warfare.

Unit0-II

- a) Theory of Guerrilla warfare Mao-Tse-Tung, Cheguvera and Urban Guerrilla and its Philosophers
- b) Three intangibles of Guerrilla warfare – Time, Space and Will
- c) Characteristic of Guerrilla warfare

Unit-III

- a) Causes and examples of Insurgency in Srilanka.

Unit-IV

- a) Basic Principles of Counter Insurgency.
- b) Success and failure of Counter Insurgency in the Mountains of Greece, Malaya and Vietnam.

Unit-V

- a) Unconventional warfare in the nuclear ear

Suggested Readings:

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 Gueras – 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.
8. Modern Guerrilla warfare free Press oof Glenace (1963) - Mark Franklin
9. Defeating Communist insurgency (Studies in International Society) – Thompson R.
10. Ruler of Red China – Payne – Mao- Tse –Tung
11. Strategy and Guerrilla warfare - Mao- Tse –Tung
12. Chinese of Concept of war - Mao- Tse –Tung
13. Counter – Guerrilla operations – Valeriano N.D.
14. Counter Insurgency war fear Theory and Prectice – Galula D.
15. Counter Insurgency and the Global war on Terror – Cassidy R. M.

FORTH YEAR (WITH RESEARCH)

**SEMESTER-VIII
PRATICAL**

Programme/Class: With Research	Year: Forth	Semester: VII
Total No. of Lectures-Tutorials-Practical-30 (60 hours)		
Unit	Topic	No. of Lectures
I	National & International Boundaries.	06
II	Important Passes In Himalayan Region.	06
III	Important District of Border Regions.	06
IV	Strategic Important of Himalayan Ridges.	06
V	Locate Insurgency Places in India & World.	06
This course can be opted as an elective by the students of following subjects: Open for all		
Suggested Continuous Evaluation Methods: Test with multiple choice questions/short and long answer questions or Record ,Viva Voce		

FORTH YEAR (WITH RESEARCH)

SEMESTER-VIII
RESEARCH PRESENTATION SKILLS

FORTH YEAR (WITH RESEARCH)
SEMESTER-VIII

THEORY AND PRACTICES OF WAR

Objective: The Candidates are required to opt any two Courses/papers from the following groups of courses- Group A: The candidates are required to opt any one of the following courses/ papers

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, Armoured 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 organisation 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 Cyber and Information war

Suggested Readings:

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 Uill.

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. 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.

FORTH YEAR (WITH RESEARCH)

SEMESTER-VIII

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.

Suggested Readings:

1. Avon, R. War & Peace
2. L.J Singh Problems of war & Peace
3. Wright Quincy Study of war Vol. I& II
4. Carb - The Relativity of War & Pence
5. MN. 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

**FORTH YEAR (WITH RESEARCH)
SEMESTER-VIII**

DISSERTATION

**FORTH YEAR (HONOURS)
SEMESTER-VII**

SCIENCE TECHNOLOGY AND NATIONAL SECURITY

Unit-I Evolution of Science and Technology.

- A. Impact of science and Technology and on society and warfare, before Ist World War.
- B. Technological development in World War IInd.

Unit-II Emergence of New Technology.

- A. Armoured vehicles Tank and Armoured Piercing incendiary (API'S).
- B. Aircrafts UAV'S.
- C. Submarine and Aircraft Carrier.

Unit-III Nuclear weapons and Missile Technology and Application Revolution.

Unit-IV Revolution in Military Affairs (RMA).

- A. Electronic warfare and its impact.
- B. Cyber war.
- C. Chemical and Biological weapons.

Suggested Readings:

1. Anand. A. (2003) Information Technology: The future warfare weapons, Ocean Books, New Delhi.
2. Baranson, Jack. (1978) Technology and the Multinationals, Lexington
3. Arcangelis, Mariode, (1990) Electronics Warfare, Ratna, New Delhi.
4. Jasbir R.K, (1987) Handbook of military science and Armament Technology, Natraj publications, Dehradun.
5. Johan Erickson (Ed.) (1966) The Military Technical Revolution: Its Impact on strategic and Foreign Policy, Frederick A Praeger, New York.
6. Macksey, Kenneth (1986) Technology in War: The impact of science on weapon development and modern battle, Prentice Hall, New York.
7. Mann T.S., (1982) Transfer and Technology, Himalaya Publications House, Bombay.
8. Rajan, Y.S. (2001) Empowering India (with Economic Business & Technological strengths for the twenty First Century), Har Anand Publications, New Delhi.
9. Rehman, A. (1972) Science Technology and Society, People's Publishing House, New Delhi.
10. Robert H. Latiff, (2017) Future war: Preparing for the new global battlefield, Penguin Random House, New York.
11. Singer, H.W., (1988) Technology Transfer by Multinational Vol. I& II, Ashish Publishing House, New Delhi.

FORTH YEAR (HONOURS)
SEMESTER-VII
PRACTICAL

Programme/Class: Honours	Year: Forth	Semester: VII
Total No. of Lectures-Tutorials-Practical-30 (60 hours)		
Unit	Topic	No. of Lectures
I	Thermal Imaging and Sensors.	08
II	Fighter Plane, Radar, Submarine, Tank's& ABC, missile & Helicopter's and their significance.	12
III	Detal Study about: 1. Arms & Ammunition During World war-I 2. Arms & Ammunition During World war-II	20
This course can be opted as an elective by the students of following subjects: Open for all		
Suggested Continuous Evaluation Methods: Test with multiple choice questions/short and long answer questions or Record ,Viva Voce		

FORTH YEAR (HONOURS)

SEMESTER-VII

MILITARY PSYCHOLOGY

Unit-1

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 Rumour, its impact on war and society,

(C) Brain Washing

Suggested Readings:

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. Though, 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.

FORTH YEAR (HONOURS)

SEMESTER-VII
SOUTH ASIA CONFLICT AND 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

Suggested Readings:

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

FORTH YEAR (HONOURS)
SEMESTER-VII
CHALLENGES TO INDIA'S INTERNAL SECURITY

Unit-I

- A. Concept Of State/Nation State

Unit-II

- A. Threats to Internal Security
- B. Boundary Management and It's Role

Unit-III Approaches of the Problems of Internal Security

- A. Role of Society And it's Culture
- B. Role of Political Institutions and Governance
- C. Role of Armed Forces
- D. Role of Media

Unit-IV Case Study of States

- A. Kashmir Issue
- B. Naxalite Problems
- C. Agitation Over Economic-Development issues
- D. Agitation Over religion, land and Cast Issues

Unit-V Role of External Powers

Drug Trafficking and Proliferation of Small Arms.

SEMESTER-VII

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 proximity
Strategy and Tactics of Guerrilla warfare.

Unit-IV

Unconventional warfare in the nuclear era.

Suggested Readings:

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 Guerass – 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.

FORTH YEAR (HONOURS)

SEMESTER-VII

BASIC RESEARCH METHODS-I

Unit-I Research.

- A. Meaning and Objectives of Research.
- B. Basic steps and Criterion of Research.
- C. Types of Research.

Unit-II Research Problems.

- A. Selection of research problem.
- B. Importance of Research.
- C. Review of related literature- Meaning, necessity and sources.

Unit-III Hypothesis.

- A. Meaning of Hypothesis.
- B. Functions of Hypothesis.
- C. Types of Hypothesis.

Unit-IV Variables.

- A. Meaning of Variables.
- B. Functions of Variables.
- C. Types of Variables.

Suggested readings:

1. Ahuja, Ram, 2001. Research Methods, Delhi, Rawat publications.
2. Bailey, Kenneth D., 1982. Methods of social research, New York: the Free Press Second edition.
3. Best, John W. and Kahn, James V., 1988. Research in education, 8th edition, Allyn and Bacon, London
4. Chandra A. and Saxena T.P., 2000. Style Manual, New Delhi, Metropolitan Book Company Ltd.
5. Dooley, David, 1998. Social research methods, Prentice-Hall of India, New Delhi.
6. Downie N.M. and Heath R.W., 1959. Basic Statistical Methods. New York: Harper and Row Publishers.
7. Frank, Harry and Steven C. Althoen, 1994. Statistics. Concepts and Applications. Cambridge University, 580p.
8. Garg. B.L., Karadia, R., Agarwal, F. and Agarwal, U.K., 2002. An introduction to Research Methodology, RBSA Publishers.
9. Goode, W.J. and Hatt P.K., 1952. Methods in social research, New York: McGraw International student Edition.

10. Gupta S.P., 2008. Statistical Methods. 37th ed. (Rev) Sultan Chand and Sons. New Delhi. 1470 p.
11. Kothari, C.R., 2008. Research Methodology: Methods and Techniques. Second Edition. New Age International Publishers, New Delhi.
12. Kozak A., Kozak R.A., Staudhammer C.L. and Watts S.B., 2008. Introductory probability and Statistics; Applications for forestry and Natural sciences. CAB International, UK. 408p.
13. Paneerselvam, 2009. Research Methodology, Prentice Hall of India.
14. Sharma R.A., 2006. Fundamentals of Educational Technology, Surya Publications, Meerut, India.
15. Sinha, S.C. and Dhiman, A.K., 2002. Research Methodology, Ess Ess Publications. 2 volumes.
16. Sundar Sarukkai, 2008. Indian Philosophy and Philosophy of Science, Motilal Banarsidass Publishers Pvt.Ltd. New Delhi.
17. Trochim, W.M.K., 2005. Research Methods: the concise knowledge base, Atomic Dog Publishing. 270 p.
18. Wilkinson, T.S. and Bhandarkar P.L., 1984. Methodology and Techniques of social research, Bombay, Himalaya Publishing House.

FORTH YEAR (HONOURS)

SEMESTER-VIII

DEFENCE ECONOMICS

Unit-I Introduction.

- (A) Definition of Economics.
- (B) Economics kinds, Features, Merits & Demerits
- (C) Defence And Development.

Unit-II Economic System: From industrial revolution to modern times.

- A. Capitalism
- B. Socialism
- C. Mixed Economy

Unit-III Problems of Imported Technology in Defence Production.

- A. Role of D.R.D.O. in Defence Production.
- B. Ordnance Factories.
- C. Defence Public Sector Undertakings.

Unit-IV

- (A) Defence Budget in India Since.
- (B) Problem of Balance of Payment.
- (C) Problem of Rehabilitation.
- (D) Economics of Disarmament.

Unit-V

- (A) Economic Warfare: its Techniques and Importance in modern times Economic causes of War.
- (B) Economics of Conventional V/S Nuclear Weapons System.

Unit-VI

War potential of a Nation, Natural, Physical, Industrial and Man Power Problems of defence in relation to the limitation of resources.

Suggested readings:

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.

9. The Economic warfare – Medicott W. N.
10. Economics of Developments – Singh D. Bright
11. Economics of Defence – Hitch and Mekean
12. Decision making for Defence – Hitch
13. Economics – Samuelson Paul
14. Monetary Theory and Fiscal Policy - Euson

FORTH YEAR (HONOURS)
SEMESTER-VIII

PRACTICAL

Programme/Class: Honours	Year: Forth	Semester: VIII
Total No. of Lectures-Tutorials-Practical-30 (60 hours)		
Unit	Topic	No. of Lectures
I	Important Passes In Himalayan Region.	08
II	Locate Insurgency Places in India & World.	07
III	Presentation on National and International Issus	10
IV	Field Visit – Educational Tour is Mandatory and detailed Tore report is to be Submitted and enaluated.	15
This course can be opted as an elective by the students of following subjects: Open for all		
Suggested Continuous Evaluation Methods: Test with multiple choice questions/short and long answer questions or Record ,Viva Voce		

FORTH YEAR (HONOURS) SEMESTER-VIII

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.

Suggested Readings:

1. Avon, R. War & Peace
2. L.J Singh Problems of war & Peace
3. Wright Quincy Study of war Vol. I& II
4. Carb - The Relativity of War & Pence
5. MN. 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

FORTH YEAR (HONOURS)

SEMESTER-VIII

THEORY AND PRACTICES OF WAR

Objective: The Candidates are required to opt any two Courses/papers from the following groups of courses- Group A: The candidates are required to opt any one of the following courses/ papers

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, Armoured 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 organisation 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 Cyber and Information war

Suggested Readings:

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 Uill.

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. 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.

FORTH YEAR (HONOURS)

SEMESTER-VIII
ISSUES IN HIMALAYAN SECURITY

Unit-I

- A. Geo-Strategic & Geo-Politics Importance of Himalayan regions.
- B. The role of Himalayas in National Security with Special reference to India.

Unit-II Importance of Indian Border States in maintain Himalayan Security.

- A. North -East region.
- B. Middle region.
- C. North -Western regions.

Unit-III Problems involved in maintain Himalayan Security.

- A. Transport & Communication.
- B. Climate.
- C. Terrain.
- D. Social, Economic & Political Condition of the regions.

Unit-IV Measures required for the Security of the Himalayan regions.

- A. Confidence Building measures.
- B. Military measures.
- C. Social & Political measures.

Suggested Readings:

- 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

SEMESTER-VIII

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

Unit-IV

Causes and examples of Insurgency in the developing Countries.

Unit -V

Naxalite Movement in India its cause and effects

Suggested Readings:

1. Modern Guerrilla warfare free Press oof 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.

FORTH YEAR (HONOURS)

SEMESTER-VIII
BASIC RESEARCH METHODS-II

Unit-I Research Design.

- A. Concept of Research Design.
- B. Decision on Research Design.
- C. Types of Research Design.

Unit-II Sampling.

- A. Meaning and Procedure of Sampling.
- B. Types of Sampling.
- C. Probability and Non-probability.

Unit-III Tools and Technique of Data Collection.

- A. Questionnaire of Data-Collection.
- B. Interview and Observation.
- C. Case study and Survey.

Unit-IV Statistics and Report Writing.

- A. Statistics and its significance in Research.
- B. Report writing [Main body of research, Reference and Bibliography].
- C. Meaning and Importance of Workshop, Seminar, Conference, Symposium in Research.

Suggested readings:

1. Ahuja, Ram, 2001. Research Methods, Delhi, Rawat publications.
2. Bailey, Kenneth D., 1982. Methods of social research, New York: the Free Press Second edition.
3. Best, John W. and Kahn, James V., 1988. Research in education, 8th edition, Allyn and Bacon, London
4. Chandra A. and Saxena T.P., 2000. Style Manual, New Delhi, Metropolitan Book Company Ltd.
5. Dooley, David, 1998. Social research methods, Prentice-Hall of India, New Delhi.
6. Downie N.M. and Heath R.W., 1959. Basic Statistical Methods. New York: Harper and Row Publishers.
7. Frank, Harry and Steven C. Althoen, 1994. Statistics. Concepts and Applications. Cambridge University, 580p.
8. Garg. B.L., Karadia, R., Agarwal, F. and Agarwal, U.K., 2002. An introduction to Research Methodology, RBSA Publishers.
9. Goode, W.J. and Hatt P.K., 1952. Methods in social research, New York: McGraw International student Edition.

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12. Kozak A., Kozak R.A., Staudhammer C.L. and Watts S.B., 2008. Introductory probability and Statistics; Applications for forestry and Natural sciences. CAB International, UK. 408p.
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14. Sharma R.A., 2006. Fundamentals of Educational Technology, Surya Publications, Meerut, India.
15. Sinha, S.C. and Dhiman, A.K., 2002. Research Methodology, Ess Ess Publications. 2 volumes.
16. Sundar Sarukkai, 2008. Indian Philosophy and Philosophy of Science, Motilal Banarsidass Publishers Pvt.Ltd. New Delhi.
17. Trochim, W.M.K., 2005. Research Methods: the concise knowledge base, Atomic Dog Publishing. 270 p.
18. Wilkinson, T.S. and Bhandarkar P.L., 1984. Methodology and Techniques of social research, Bombay, Himalaya Publishing House