

## **Semester Courses of M.A./M.Sc. Defence & Strategic Studies based on CBCS**

### **Affiliation:**

The proposed programme shall be governed by the Department of Defence & Strategic Studies, Faculty of Science, Deen Dayal Upadhyaya Gorakhpur University, Gorakhpur-273009.

### **Programme Structure:**

The course of M.A./M.Sc. (Defence & Strategic Studies) will be spread in 2 years— Previous and Final. Each of which will have two semester examinations and therefore there will be four semester examination.

### **Program Specific Outcome (PSO) of M.A. / M.Sc. Defence and Strategic Studies:**

1. Enhancement of the national security consciousness among the public.
2. Development of clear understanding of the key concepts related to security and strategic issues along with their applications in real life situations.
3. Understand the strategic as well as domestic issues that influence the security or defence of the country.
4. Understand India's national interests and provide the broad field within which nation states and non-state factors interact.
5. Understand India's national security and strategic spectrum as well as the geo-strategic and geo-political realities of the nation in national and regional perspective.
6. Understand regional and international strategic environments and their impact on India's national security.
7. Understand emerging security threats, both traditional and non-traditional, to the national security of India.
8. Understand the role of science & technology in national security.
9. Understand the interdisciplinary nature of national security and enhance the clear understanding of Indian military history and the evolution of Indian art of war, human rights and national security, India's internal security challenges, India's maritime interests, civil-military relations, Indian military psychology, defence organizations of India, the economics of defence budgeting and expenditure, conflict resolution and conflict management etc.
10. Enable the students for NET and pursue research work.

11. Development of analytical skill among students so that they appreciate the subject in right perspective and support stakeholders and security establishments in planning grand strategic policies of the nation.

**M.A./M.Sc. Previous (Defence & Strategic Studies)**  
**(Effective from Session 2019-2020)**

The M.A./M.Sc Previous (Defence & Strategic Studies) will consist of two semesters, called as first and second semesters. Their examinations will be held in the months of December and May respectively. In each of these semester examinations, there will be four compulsory theory papers and one practical paper. Each theory paper will be of three hours duration and of 4 credit i.e. Maximum Marks 100. There will be 30% internal evaluation in each paper based on:

1. Attendance	10 Marks
2. Class Test/Assignment	10 Marks
3. Seminar	10 Marks

In each of these semester examinations there will be one compulsory practical paper that will be of 8 credit i.e. Maximum Marks 200. There will be 30% internal evaluation in practical examinations.

**Format of the Question Paper:**

The question paper will be consisted of three sections: Section- A, Section- B and Section- C. In Section- A there will be one compulsory question, numbering Question no. 1, consisting of 4 parts of short answer type questions based on the whole course, out of which all parts will have to be answered. There will be 8 questions numbering Question no. 2 (a or b), Question no. 3 (a or b), Question no. 4 (a or b) and Question no. 5 (a or b), from four units (**two from each unit**), out of which 4 questions will have to be answered (**one from each unit**). There will be 4 long answer type questions numbering Question no. 6, 7, 8 and 9 in Section- C from 4 units (**one from each unit**) out of which any 2 questions will have to be attempted. Thus in all, 7 questions will have to be attempted and 13 questions will have to be set.

**Course Structure**

**First Semester**

Sl. No.	Paper	Course Code	Paper Title	Type	Credit
1	Paper I	DSS 101	Evolution of Indian Arts and Science of War	Core Paper	4
2	Paper II	DSS 102	National Security	Core Paper	4
3	Paper III	DSS 103	Armament, Disarmament and Arms Control	Core Paper	4
4	Paper IV	DSS 104	Human Rights and International Humanitarian Law	Core Paper	4
5	Paper V	DSS 105	Practicals	Practical	8
6			Seminar		1

### Second Semester

Sl. No.	Paper	Course Code	Paper Title	Type	Credit
1	Paper I	DSS 201	Research Methodology	Core Paper	4
2	Paper II	DSS 202	Peace and Conflicts Studies	Core Paper	4
3	Paper III	DSS 203	Insurgency and Terrorism	Core Paper	4
4	Paper IV	DSS 204	India's National Security and Strategic Spectrum	Core Paper	4
5	Paper V	DSS 205	Practicals	Practical	8
6			Seminar		1

### **M.A./M.Sc Final (Defence & Strategic Studies) (Effective from Session 2020-2021)**

The M.A./M.Sc Final (Defence & Strategic Studies) will consist of two semesters, called as third and fourth semesters. Their examinations will be held in the months of December and May respectively. In the third semester examinations, there will be four compulsory theory papers and one practical paper. In the fourth semester examinations, there will be three compulsory theory papers and three elective theory papers out of which student will opt one elective paper. In both the semesters each theory paper (compulsory and elective) will be of

three hours duration and of 4 credit i.e. Maximum Marks 100. There will be 30% internal evaluation in each paper based on:

1. Attendance 10 Marks
2. Class Test/Assignment 10 Marks
3. Seminar 10 Marks

In each of these semester examinations there will be one compulsory practical paper that will be of 8 credit i.e. Maximum Marks 200. There will be 30% internal evaluation in practical examinations.

#### **Format of the Question Paper:**

The question paper will be consisted of three sections: Section- A, Section- B and Section- C. In Section- A there will be one compulsory question, numbering Question no. 1, consisting of 4 parts of short answer type questions based on the whole course, out of which all parts will have to be answered. There will be 8 questions numbering Question no. 2 (a or b), Question no. 3 (a or b), Question no. 4 (a or b) and Question no. 5 (a or b), from four units (**two from each unit**), out of which 4 questions will have to be answered (**one from each unit**). There will be 4 long answer type questions numbering Question no. 6, 7, 8 and 9 in Section- C from 4 units (**one from each unit**) out of which any 2 questions will have to be attempted. Thus in all, 7 questions will have to be attempted and 13 questions will have to be set.

## **Course Structure**

### **Third Semester**

<b>Sl. No.</b>	<b>Paper</b>	<b>Course Code</b>	<b>Paper Title</b>	<b>Type</b>	<b>Credit</b>
<b>1</b>	Paper I	DSS 301	Defence Economics	Core Paper	4
<b>2</b>	Paper II	DSS 302	Geo-politics and Military Geography	Core Paper	4
<b>3</b>	Paper III	DSS 303	Science, Technology and National Security	Core Paper	4
<b>4</b>	Paper IV	DSS 304	South Asia: Conflict and Cooperation Studies	Core Paper	4
<b>5</b>	Paper V	DSS 305	Practicals	Practical	8
<b>6</b>			Seminar		1

## Fourth Semester

Student will take three core paper (courses) DSS 401,402,403 and one elective paper (courses) from DSS 404 E-1, E-2 & E-3.

Sl. No.	Paper	Course Code	Paper Title	Type	Credit
1	Paper I	DSS 401	Strategic Thoughts	Core Paper	4
2	Paper II	DSS 402	Politics and Security of the Indian Ocean	Core Paper	4
3	Paper III	DSS 403	International Relations	Core Paper	4
4	Paper IV	DSS 404 E-1	Disaster Management & National Security	Elective paper	4
		DSS 404 E-2	Conflict and Media	Elective paper	4
		DSS 404 E-3	Science and Technology and Non-Traditional Security	Elective paper	4
5	Paper V	DSS 405	Practicals	Practical	8
6			Seminar		1

## M.A./M.Sc First Semester Based on CBCS(Defence & Strategic Studies)

**DSS 101: Evolution of Indian Art and Science of War**

**Total Credit-4**

### Course Objective

The main objective of this paper is to enhance the understanding of the student about the Indian military systems during different Periods of history and to inculcate strategic thinking insight into them.

### Unit-I

1. Basic concept and a brief survey of the military traditions of India.
2. Military system and Defence Mechanism in Vedic, Puranic and Epic Age.

### Unit-II

1. Comparative study of Indo-Greek art and science of warfare with special Reference to Battle of Hydespas 326 (BC).
2. Mauryan military system; Kautilya's philosophy of war, concept of Defence, Security and Inter-State Relations.
3. Comparative study of Indo-Turk Art and Science of war with special reference to Battle of Tarrain (1191&1192AD)

### **Unit-III**

1. Mughal Military System with special reference to Battle of Panipat (1526 AD).
2. Maratha Military System with reference to irregular and regular warfare of Shivaji.
3. Anglo- Maratha war with special reference to Battle of Assaye 1803 (AD)

### **Unit-IV**

1. Contribution of Maharaja Ranjeet Singh to the evolution of Shikh Military System.
2. Causes & Importance of First War of Independence 1857.

### **Books Recommended:**

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

### **Course Outcome**

1. Understand the basic concepts of the Indian military traditions.
2. Understand comparative analysis of Indian military systems during different Periods of history and the military systems of foreign invaders.
3. Inculcation of strategic thinking insight.

**DSS 102: National Security**

**Total Credit-4**

### **Course Objective**

For a country, national security has always been an issue of prime importance. It has wide scope and interdisciplinary nature. This paper is introduced with the objective of developing deep understanding of the concept, nature, components, dimensions and threats of national security in terms of contemporary thinking and, of course, the needs. The course is very important for various competitive exams such as NET, PCS and other teaching jobs.

### **Unit-I**

1. Evolution of the concept of National Security with reference to contemporary thinking.
2. Components of National Security.

### **Unit-II**

1. Comprehensive Security: meaning and scope
2. Defence, Foreign and Domestic policies: concepts, formulation, objectives and linkages.
3. Defence Co-operation, Strategic partnership and Security Dialogue: new trends in 21<sup>st</sup> century.

### **Unit-III**

1. India's threats and challenges from within.
2. National Security in the age of Globalization: new threats and challenges.
3. Human Security: concept and dimensions in Indian context.

### **Unit-IV**

1. Energy Security: issues in Indian context.
2. Environmental Security: Indian scenario.

### **Books Recommended:**

1. K. Subramanyam, Our National Security, Economic and Scientific Research Foundation
2. Michael Clark, New Perspective on Security; London, 1993.
3. S. D. Sinha, Security in the New World Order, Chanakya Publication, Delhi, 1993.
4. Gautam Sen, India's Security Consideration in Nuclear Age, Atlantic, New Delhi, 1986.
5. Chitrapu Uday Bhaskar, India's Security Concerns.
6. N. S. Sisodia & C. Uday Bhaskar, Emerging India: Security on Foreign Policy Perspectives, IDSA, New Delhi.
7. Barry Buzan, People, States and Fear: The National Security.

### **Course Outcome**

1. Understand the evolution of the concept of national security with the components, nature, dimensions and objectives of it.

2. Understand India's national security threats and challenges in the present world as well as in coming decades.
3. Understand the current needs of India's defence cooperation, strategic partnership and security dialogue with strategically important countries.

### **DSS 103: Armament, Disarmament and Arms control**

**Total Credit-4**

#### **Course Objective**

A stable and lasting world peace and security can only be built on the negation of arms race and the achievement of real disarmament. The objective of the course is to develop understanding of the causes of armament and the need of disarmament and arms control for world peace and security. The course is introduced to develop understanding of its social and economic consequences.

#### **Unit-I**

1. Armament: Meaning, Development and New trends.
2. Basic Concepts and theories-
  - (i) Concepts and correlation between Disarmament & Arms Control
  - (ii) Objectives and nature of Disarmament & Arms Control.

#### **Unit-II**

1. Elements of Arms Control Mechanism: Agreements, Verification, Inspection, Control.
2. Measures of Arms Control & Disarmament.
3. Weapons of Mass Destruction: Nuclear Weapons, Chemical, Biological and Weather Weapons.

#### **Unit-III**

1. Weapons of Mass Destruction (WMDs): NPT, TTBT, PTBT, CTBT, Sea-bed Treaty, Outer-space treaty, NWFZ. FMCT, CBW Conventions & Control Mechanism,
2. Nuclear policies of Nuclear weapon states (NWS)& Non-Nuclear weapon states (NNWS).
3. Trends in Military Expenditure: India and the world

#### **Unit-IV**

1. Arms Trade treaty (ATT) and its implications for Regional & Global Security.
2. Social and Economic consequences of Disarmament & Arms Control.

#### **Books Recommended:**



1. SIPRI Year-Book of Armament and Disarmament.
2. US Arms Control & Disarmament Agency publications.
3. IISS publications: Adelphi Papers, Survival.
4. IDSA Publications.
5. ICWA Publications.
6. UN publications.

### **Course Outcome**

1. Understand the basic concepts and facts related to armament, disarmament and arms control.
2. Understand the impact of development and proliferation of the conventional as well as the Weapons of Mass Destruction on regional and global peace and security.
3. Understand social and economic consequences of disarmament and arms control.

### **DSS 104: Human Rights and International Humanitarian Law**

**Total Credit-4**

### **Course Objective**

Protection of human rights is essential for the survival and wellbeing of the concerned state. The objective of the course is to develop understanding of the concept and the various dimensions of human rights and to understand the concept and theories of international humanitarian law.

### **Unit-I**

1. Human Rights: Conceptual development, Nature, Historical Background, Classification
2. Introduction of International Law and International Humanitarian Law (IHL)

### **Unit-II**

1. International law and Rules of Land, Air and Sea warfare
2. International Law and Conventions for the wounded and sick in the battle field, protection of civilian rights in times of war, treatment of the prisoners of war.
3. Peaceful means of Settlement of International Disputes

### **Unit-III**

1. Limits on the choice of means and methods of warfare.
2. Universal Declaration of Human Rights and International conventions on different kinds of Human Rights.
3. Human Rights in Indian Constitution, Role and Duties of NHRC in India.

#### **Unit-IV**

1. Concept and Theories of International Humanitarian Law (IHL).
2. Concept of Refugee Law

#### **Books Recommended:**

1. R.S.Agrawal, Human Rights in the Modern World
2. G.S.Bajwa, Human Rights in India
3. D.D.Basu, Human Rights in Constitutional Law
4. AntariCasser, Human Rights in Changing World
5. Dr. T.P.Trapathi, Human Rights
6. Dr. J.J. Ram Upadhyay, Human Rights
7. Dr. J.N.Upadhyay, Indian Constitution
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9. Mk0 ,p0vks0 vxzoky] ekuovf?kdkj

#### **Course Outcome**

1. Understand the conceptual development, nature and historical background of human rights.
2. Understand the various dimensions of human rights, its violations and protection as well and international law.

Understand the concept and theories of international humanitarian law.

### **M.A./M.Sc Second Semester Based on CBCS (Defence & Strategic Studies)**

#### **DSS 201: Research Methodology**

**Total Credit-4**

#### **Course Objective**

The objective of the course is to make students knowledgeable about the research process and to enable them to pursue research work competently.

#### **Unit-I**

1. Meaning of Research/ Policy Research
2. Types of Research
3. Objectives of Research
4. Research Cycle
5. Stages in Research Process

## **Unit-II**

1. What is a Research Problem
2. How to locate a research problem
3. Characteristics of a good research problem
4. Sources of locating a good research problem
5. Kinds of research problem
6. Necessary considerations for selecting a research problem

## **Unit-III**

1. What is hypothesis
2. Types of hypothesis
3. Nature and characteristics of a scientific hypothesis
4. Sources of hypothesis
5. Defference between Research Problem and Research Hypothesis
6. Hypothesis and Theory
7. Functions of hypothesis

## **Unit-IV**

1. Review of Literature
2. Data Collection Techniques
3. Use of Statistical Methods
4. Analysis & Writing
5. Foot Notes, References & Appendix
6. Bibliography

## **Books recommended –**

1. Bell J.E., Projective Techniques, Longmans, 1948
2. Best J.W., Research in Education, Prentice Hall, 1978
3. Lindmias D., Statistical Analysis in Educational Research, Oxford, 1968
4. Nachmias D. Research Methods in the Social Sciences, New York, 1981
5. Young P.V., Scientific Social Survey and Research, Prentice Hall of India, 1988
6. Mohd. Sulaiman, Research Methodology in Behavioral Sciences, Patna, 1998

## **Course Outcome**

1. Understand the basic concepts of research and research methodology.
2. Understand the formulations of research topic, research questions, hypotheses and research design.
3. Understand the techniques of data collection, data analysis and data interpretation.

**DSS 202: Peace and Conflicts Studies****Total Credit-4****Course Objective**

Contemporary peace and conflict studies began as a response to the World Wars. Today, peace and conflict studies are an extremely broad and interdisciplinary field that is studied at universities throughout the world. The objectives of introducing the course are to develop understanding of the concept, nature and scope of peace and conflict studies, to develop understanding of the theories and approaches to resolving conflict and promoting peace and to develop understanding of the roles of United Nations and CBMs in it.

**Unit-I**

1. Peace and Conflict Studies: Meaning, Nature and Scope
2. Conceptual analysis of Conflict and Peace
3. Conflict management in the regional context

**Unit-II**

1. Gandhian Approach and its current relevance for Conflict Resolution
2. Causes of war
3. Regional Conflicts and Role of United Nations

**Unit- III**

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

**Unit- IV**

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

**Books Recommended:**

1. K.E.Boulding, Conflict and Defence : A General Theory, Newyork,1962
2. Anima Bose (ed), Peace and Conflict Resolution in World Community, New Delhi, 1919
3. BhaskrRoa, Global Perceptions on Peace Education, New Delhi, 1996.
4. Peter Ackerman & Jack Duvall, A Force More Powerful : A Century of Non-Violent Conflicts, New York, 2000.
5. B. Boutros- Ghali, An Agenda For Peace : Preventive Diplomacy, Peace Making and Peace Keeping, (U.N.Report) New York, 1992.
6. B.U.Bright, Educating for Peace, New York, 1985.

7. Adam Curle, Another Way : A Mechanistic View of War and Peace, Cambridge, 1927.
8. A.C.Dasgupta, Non-Violence : The Invincible Power, Calcutta. 1956.
9. Lewis Caser, Functions of Social Conflict, New York, 1956.
10. J.W.Burton, International Conflict Resolution, New York, 1965.
11. Ghanshyam Purdeshi (Id.), Contemporary Peace Research, New Delhi, 1982
12. Johan Galtung, Struggle for Peace, Ahmedabad, 1984.
13. Johan Galtung, Peace by Peaceful Mean : Peace and Conflict, Development and civilization, Sage Pub, 1996
14. Johan Galtung. Essays in Peace Research, Copenhagen, 1975.
15. Quincy Wright, A Study of War, Chicago, 1965.

### **Course Outcome**

1. Understand the conceptual analysis of peace and conflict with their meaning nature and scope.
2. Understand the concept, theories and approaches to conflict resolution and peace research.
3. Understand regional conflicts and role of United Nations and Confidence & Security Building Measures (CSBMs).

### **DSS 203: Insurgency and Terrorism**

**Total Credit-4**

### **Course Objective**

The objective of the course is to develop understanding of the fundamental concepts and definitions of insurgency and terrorism to identify their functional particularities. Also to develop understanding of the problems of world peace and security and the arrangements made for curbing insurgency and terrorism.

### **Unit-I**

1. Insurgency: concept and principles.
2. Methods and techniques of Guerilla and counter – Guerilla warfare.
3. Impact of Marxist, Leninist and Maoist ideologies on revolutionary movements.

### **Unit-II**

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

### **Unit-III**

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

### **Unit-IV**

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

### **Books Recommended:**

1. Walter Laqueur, Guerrilla :A Historical and Critical Study, Weidenfeld Nicolson, London, 1977
2. T.E. Lawrence, Revolt in the Desert, London, 1927
3. W.P. Lucian, Guerrilla Communism in Malaya, Princeton, 1956
4. Che Guevara, Guerrilla Warfare, London, 1969
5. Franklin Mark Osanka, (Ed), Modern Guerrilla Warfare, The free press of Glencoe, 1962
6. D.K.Palit, The Essentials of Military Knowledge, The English Book Depot, 1970
7. Mao Tse-Tung & Che Guevara, Guerrilla Warfare, Cassell, London, 1970
8. S.T. Das, An Introduction to the Art of War, Sagar pub., New Delhi, 1970
9. David Galula, Counter- Insurgency Warfare, Sagar Pub. ,1971

### **Course Outcome**

1. Understand the basic concepts, principles and causes of insurgency in the contemporary world.
2. Understand the concept, characteristics, methods and techniques of guerrilla, counter-guerrilla warfare, terror and terrorism.
3. Understand international terrorism and problems of world peace and security, the present arrangement for curbing international terrorism.

**DSS 204- India`s National Security and Strategic Spectrum**

**Total Credit-4**

### **Course Objective**

India presents endless varieties of physical features and cultural patterns. The strategic spectrum ranges from geo-political to geo-strategic domain. The objective of the course is to develop deep understanding of the complex geo-political and geo-strategic realities of the country and their impact on its national security.

**Unit-I**

1. Freedom Struggle and the development of concept of Nationhood in India
2. Pluralism in India: Strength and Weaknesses
3. India's National Security Objectives and Aspirations in a Changing world

**Unit-II**

1. Contemporary Strategic Environment of India
2. India's Internal Security Challenges : Nature and Dimensions
3. Domestic and Trans-national terrorism against India : Problems and Options

**Unit-III**

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

**Unit-IV**

1. India's Technological Prowess as 'Force Multiplier'
2. Conflict resolution and transformational mechanism in India's case.

**Books Recommended:**

1. N. Manoharan, Security Deficit: Comprehensive Internal Security strategy for India, Pentagon Press, 2012
2. Brig. R.A. Singh, India's National Security: Through Ages, Raj Publication, 2006
3. Rumel Dahiya, Ashok K. Behuria, (eds.) India's Neighborhood- Challenges in the Next Two Decades, IDSA, 2012
4. Maj. Gen. Depankar Banerjee, Security in South Asia: Comprehensive on Cooperative, Manas Publication, 2003
5. Col. Ved Prakash, Terrorism in India's North East, Manas Publication , New Delhi
6. Kapil Kak (ed.), Comprehensive Security for an Emerging India, Knowledge World, New Delhi
7. Jasjit Singh, India's Security in a Turbulent World, National Book Trust, India. 2013
8. Mohanan B. Pillai, India's National Security, Concerns on Strategies, New Century Publication, 2013
9. Rahul K. Bhonsle, India's National Security: The Asymmetrical Challenges, Knowledge World International, 2006
10. Bipin Chandra, India Since Independence

**Course Outcome**

1. Understand the basic elements of India's national security and strategic spectrum.

2. Understand India's national security objectives and aspirations in today's changing world.
3. Understand sources of intra-state conflicts and the mechanism of conflict management.

### **M.A./M.Sc Third Semester Based on CBCS (Defence & Strategic Studies)**

**DSS 301: Defence Economics**

**Total Credit-4**

#### **Course Objective**

Defence and development are the two sides of the same coin. The objective of course is to study the basic concept and theories of defence economics and to understand the inter-relationship of war and economy.

#### **Unit-I**

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

#### **Unit-II**

1. Economic potential of war and Economic Weapons
2. Cost of war
3. Defence production in India

#### **Unit-III**

1. Economic problem and planning for Indian Defence
2. War Finance
3. Defence Budget and National Security

#### **Unit-IV**

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

#### **Books Recommended:**

1. Rethinking the Economics of war: The intersection of Need, Creed and Greed Edited by Cynthia J Arnsion, Published:28 october 2005,ISBN13:9780801882982



2. Economics of war and Peace: Economic Legal and Political perspectives, Edited by Ben Goldsmith , Published : Emerald Group Publishing Limited, Published:01 July 2010, ISBN13:99780857240040
3. The Economics of war : The Economics of war by Pal Poast, Publisher: Mc Graw Hill Higher Education, Published:21 March,2008,ISBN 13:9780073133997
4. Economic Theories of Peace and war (Studies in Defence Economics) by Fanny Coulomb ,Publisher: Routledge' Published:24 September, 2004, ISBN 13:9780415284080
5. The Economics of war I Stephen Broadberry (Editor) Mark Harrison(Editor), Publication Date: April 2,2009 ISBN – 10 0521107253.
6. Iew.kZISU; foKku% iq'iktSufo"ofok | ky; izdk"ku] Xokfy;j e;/izns"k] 1999-
7. ;q) vkSj "kakfr dh leL;k,a% Mk0 yYyuth flag% izdk"kcqdfMikscjsyh] 1997&98
8. ;kSf)d vFkZ"kkL=% Mk0 ,lOMh0 "kekZHkkjrizdk"kuafnjvyhx<-

### Course Outcome

1. Understand the basic concept and theories of defence economics.
2. Understand the inter-relationship of war and economy.
3. Understand the new international economic order.

### DSS 302: Geo-politics and Military Geography

**Total Credit-4**

### Course Objective

Geopolitics has been the driving force in world politics and international relations. The military geography of a country has a direct bearing on its defence. The objective of the course is to provide students deep knowledge of geopolitics and main power theories propounded by strategic thinkers. To study the military geography of India and the related defence problems is also very important for contributing in shaping of the defence policy of the country.

### Unit-I

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

### Unit-II

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

### **Unit-III**

1. Role of geography in military applications
2. Geography in Land Warfare
3. Geography in Sea Warfare
4. Geography in Air warfare

### **Unit- IV**

1. Importance and scope of logistics
  - 1.1 Resources
  - 1.2 Industries
  - 1.3 Supply Chain
2. Military geography of India : Defence problems
  - 1.1 India's boundaries, terrain in border areas
  - 1.2 Weather and communication
  - 1.3 Population in border areas and its implications to border security

### **Books Recommended:**

1. ;q) ds lk/kuvkSjlk/;) estj vk0 lh0 dqyJs"B] bykgkckn] 1965-
2. Dasgupta B. and W.H. Morris Jones, (1975) : Patterns and Trends in Indian Politics, New Delhi, Allied Publishers.
3. De Seversky, A., (1942) : Victory through Air Power, New York, Simon & Schueter.
4. Fairgrieve, j., (1915) : Geography and World Power, London University of London Press.
5. Fawcett, C.B., (1918) : Frontiers :L A Study in political Geography London, Oxford University Press.
6. Machinder, H.j., (1924): Nations of Modern World, London, George Philip and Son.
7. Mahan, A.T., (1900) : The Problem of Asia, Boston, Little, Brown & Co.
8. Panikkar, K.M., (1955) : Geographical Introduction to Indian History, Bombay, Bhawan's Book University.
9. Prescott, J.R.V., (1966) : Boundaries and Frontiers, Croom Helm, London.

### **Course Outcome**

1. Understand the concept, meaning and scope of geo-politics.
2. Understand the theories of land power, air power and sea power propounded by strategic thinkers
3. Understand the nature and scope of military geography of India and related defence problems.

**Course Objective**

Science and technology innovation plays a core role in our nation's security. The objective of the course is to develop understanding of the role of modern science and technology in national security.

**Unit- I**

1. Science, Technology and Society: history and impact of major technological breakthroughs on society.
2. Applicability of Physical, Mathematical and Technical Sciences in the field of defence.

**Unit- II**

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

**Unit- III**

1. Revolution in Military Affairs (RMA) and India's National Security.
2. Advancing military technologies and their impact on weapon Development and defence industrialization.
3. International interdependence and transfer of defence technology: Global trends and Indian scenario.

**Unit- IV**

1. Critical & Dual technologies and India's defence needs.
2. DRDO and Indian Defence.
3. Computerization and Cyber technologies, Aero-space technologies : Marine Technology and Ocean development: Indian scenario.

**Books Recommended:**

1. Karsten Frey, India's Nuclear Bomb on National Security, Routledge, New York, 2006.
2. Samir K. Sen, Military Technology on Defence Industrialisation: The Indian Experience, Manas Publication, New Delhi, 2000.
3. Robert Jackson, Hi-Tech Warfare, Headline Publication, London, 1991.
4. Griffith and Paddy, Ultimate Weaponary, Blitz Edition Publications, London, 1991.
5. Air cmde (Dr) C. N. Ghose, Future Defence Challenges: Armed Force of the 21<sup>st</sup> Century, Manas Publications, New Delhi.

6. J Norris, NBC – Nuclear, Biological & Chemical Warfare on the Modern Battlefield, Brassey's, U.K., 1997.
7. Emily O. Goldman and Leslie C Eliason (eds) The Deffusion of Military Technology and Ideas, Stanford University Press, 2003.

### **Course Outcome**

1. Understand the impact of science and technology on society.
2. Understand the military applicability of science and technology.
3. Understand the advancement of defence technology and India's defence needs.

### **DSS 304: South Asia: Conflict and Cooperation Studies**

**Total Credit-4**

### **Course Objective**

South Asia is the most populous region in the world. It enjoys a unique strategic location and offers an enormous economic potential. But, unfortunately, this region is plagued with various inter-state and intra-state conflicts. The objective of the course is to understand the conflict and cooperation matrix of South Asia region.

### **Unit- I**

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

### **Unit- II**

1. Power rivalries in South Asia: USA. USSR., U.K and China
2. Strategic Importance of Afghanistan, Myanmar and China for South Asia
3. Internal problems and conflicts in South Asian Region ( Country profiles)

### **Unit- III**

1. Role of Pressure Groups ( Religious, Linguistic, Caste, Tribes, Women, Youth, Civil Society and Media ) in the politico-military scenario of the South Asian countries.
2. Prospects of Sub-regional cooperation in South Asia
3. Regional Cooperation in South Asia under the aegis of SAARC

### **Unit- IV**

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

**Books recommended:**

1. K.E.Boulding, Conflict and Defence : A General Theory, Newyork,1962
2. Anima Bose (ed), Peace and Conflict Resolution in World Community, New Delhi, 1919
3. BhaskarRoa, Global Perceptions on Peace Education, New Delhi, 1996.
4. Peter Ackerman & Jack Duvall, A Force More Powerful : A Century of Non-Violent Conflicts, New York, 2000.
5. B. Boutros- Ghali, An Agenda For Peace : Preventive Diplomacy, Peace Making and Peace Keeping, (U.N.Report) New York, 1992.
6. B.U.Bright, Educating for Peace, New York, 1985.
7. Adam Curle, Another Way : A Mechanistic View of War and Peace,Cambridge, 1927
8. .A.C.Dasgupta, Non-Violence : The Invincible Power, Calcutta. 1956.
9. Lewis Caser, Functions of Social Conflict, New York, 1956.
10. J.W.Burton, International Conflict Resolution, New York, 1965.
11. Ghanshyam Purdeshi (Id.), Contemporary Peace Research, New Delhi, 1982
12. Johan Galtung, Struggle for Peace, Ahmedabad, 1984.
13. Johan Galtung, Peace by Peaceful Mean : Peace and Conflict, Development and civilization, Sage Pub, 1996
14. Johan Galtung. Essays in Peace Research, Copenhagen, 1975.
15. Quincy Wright, A Study of War, Chicago, 1965.

**Course Outcome**

1. Understand the concept and scope of conflict and co-operation studies.
2. Understand the conflict and co-operation matrix of South Asia.
3. Understand the internal problems and issues of the region and prospects of peace and co-operation.

**M.A./M.Sc Fourth Semester Based on CBCS (Defence & Strategic Studies)****DSS 401: Strategic Thoughts****Total Credit-4****Course Objective**

The objective of the course is to provide knowledge about the concepts of strategy and tactics and relationship between war and politics and the thoughts of noted strategic thinkers on these topics to develop strategic thinking skills of the students.

**Unit- I**

1. Machiavelli: The Renaissance of the Art of War

2. Napoleon: Elements of Napoleonic war, concept of Strategy and Tactics
3. Clausewitz: On war and its relationship with Politics, Strategy and Tactics

#### **Unit- II**

1. Jomini: Concept of Mass Army, Strategy, Tactics and Line of Operations.
2. Moltke & Schlieffen: The Prussian-German School of strategic thought
3. Foch: The French School of strategic thought.

#### **Unit- III**

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

#### **Unit- IV**

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

#### **Books Recommended:**

1. L. Spalding & J. W. Wright, Warfare, Washington 1937.
2. F. Gilbert, Machiavelli, Art of War.
3. Makers of Modern Strategy, E. M. Earl, et al.(eds), 1986
4. L. Montros, War Through The Ages, New York, 1960.
5. M.Howard, War In European History, London 1976.
6. J. F. C. Fuller, Conduct of War, New Delhi
7. Machiavelli, The Prince, Britain 1961.
8. M. Howard, The Theory and Practice of War, London 1965.

#### **Course Outcome**

1. Understand the nature, scope and development of strategic thoughts.
2. Understand the concepts of strategy and tactics, relationship between war and politics in view of noted strategic thinkers.
3. Understand the concept of armoured and mechanised warfare

**DSS 402: Politics and Security of the Indian Ocean**

**Total Credit-4**

#### **Course Objective**

Indian Ocean region has become the hub of intense global activity including global geopolitics over the decades for various reasons. The objective of the course is to develop understanding of the Challenges and opportunities for India in the decades ahead.

#### **Unit- I**

1. Indian Ocean region as a concept and reality.
2. Coastal states, hinterland states and island:
  - (i) The Political characteristics of the region .
  - (ii) Demographic survey
  - (iii) The sub region

#### **Unit- II**

1. Political, Strategic ,Economic and Military importance of Indian Ocean
  - (i) Ideologies in Indian Ocean
  - (ii) Economic and strategic interdependence of the region
  - (iii) Super power vs. Middle Powers and militarization of the region
  - (iv) Strategic Importance of the region: Militarily and Economically
2. Sub- regional Perspective :
  - (i) Persian gulf
  - (ii) Red Sea & Horn of Africa
  - (iii) Eastern and Southern Africa
  - (iv) South Asia
  - (v) Australia and eastern Approaches

#### **Unit- III**

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

#### **Unit- IV**

1. Naval bases in the Indian Ocean Area during the Cold War and after.
2. Maritime Strategy of India.
3. Prospects of Cooperation in the Indian Ocean Region.

#### **Books Recommended:**

1. The Indian Ocean and the Future of American Power, Robert D. Kaplan, Random House, 2010.
2. Maritime Forces in Pursuit of National Security, Gurpreet S Khurana,Shipra, 2008.
3. India's Maritime Security, Rahul Ray Chaudhary , IDSA and Knowledge world, New Delhi, 2010.

4. Sea Power and Indian Security, Rahul Roy Chaudhary, Bresssey's ,London and Washington, 1995.
5. Role of the Coast in the Maritime Security of India, Prabhakaran Paleri, Knowledge world, New Delhi,2007.
6. Bridges Across the Indian Ocean, IDSA Publication.
7. An Indian Ocean Perspective, National Maritime Foundation Publication, New Delhi, 2005.

### **Course Outcome**

1. Understand the economic and strategic importance of Indian Ocean for India's National Security.
2. Understand the ongoing power politics & power rivalry and the interests of external powers in Indian Ocean region.
3. Understand the future trends and prospects of co-operation and security in the Indian Ocean region.

### **DSS 403: International Relations**

**Total Credit-4**

### **Course Objective**

The objective of the course is to help students to study and understand main concepts and theories and approaches of the discipline and the development of international relations of India with other countries.

### **Unit- I**

1. International relations: meaning, nature and scope.
2. Theories and Approaches:
  - (a) i. Realism  
ii. Idealism.
  - (b) i. Historical approach  
ii. Legalistic and institutional approach  
iii. Utopian or ideal approach  
iv. Realistic Approach  
v. Behavioral Approach  
vi. System Approach

### **Unit- II**

1. Foundation and limitations of National Power, National Interest and Foreign Policy.



2. Theories of Balance of Power and Collective Security.
3. Non- alignment: concept and importance in modern times.

### **Unit- III**

1. Development of international relations between-
  - i- India and USA
  - ii- India and Russia
  - iii- India and China
  - iv- India and Pakistan
2. Cold war: nature and evolution since 1945.
3. New cold war.

### **Unit- IV**

1. Regional organizations-SAARC, ASEAN, EEC, BIMSTEC, SCO, OAS, BRICS.
2. Principles of India's foreign policy.

### **Books Recommended:**

1. H. J. Morgenthau, Politics Among Nations
2. Dr. Mahendra Singh, Theoretical Aspects of International Politics, Shivalal Agarwal & Company Agra
3. Palmer & Perkin, International Relation
4. Strategic Analysis, IDSA, New Delhi
5. Coulombis, Wolfe, Introduction To International Relations.

### **Course Outcome**

1. Understand the basic concept, meaning, nature, scope and theories & approaches of international relations.
2. Understand the foundations and limitations of national power, national interests and foreign policy.
3. Understand the principles and objectives of Indian foreign policy and the development of India's international relations with major foreign countries.

**DSS 404 E-1: Disaster Management and National Security (Elective Paper)**

**Total Credit-4**

### **Course Objective**

The purpose of introducing the course is to develop deep understanding of the concepts and various dimensions of disaster, disaster management and national security with special reference to India.

#### **Unit- I**

1. Basic concept, meaning and terminologies associated with disaster and national security.
2. Types of disaster
3. Effects of Disaster on national security

#### **Unit- II**

1. Disaster profile of India
2. Study of natural disasters : Case studies - Tsunami 2004, Uttarakhand Flood 2013, Gujrat Earthquake-2001
3. Study of human induced disasters: Case studies- Bhopal Gas Tragedy, Dhanbad Coalmine Incident, Mumbai serial Bomb Blast.

#### **Unit- III**

1. Disaster Management: Meaning, Concept and strategies
2. Disaster Mitigation, Response, Recovery, Relief and Reconstruction.
3. Disaster Management in India

#### **Unit- IV**

1. Disaster management and International co-operation: Role of United Nations, SAARC Disaster Management Centre (SDMC), ASIAN Region Forum (ARF),
2. Role of NGOs in disaster management.
3. Role of Armed Forces and ISRO Disaster Management Support (DMS) in disaster management

#### **Books Recommended:**

1. R. Subramanian, Disaster Management
2. G. Vankatesh, Disaster Management in India
3. Harsh K. Gupta, Disaster Management
4. G.K. Chaudhary, Industrial disaster management  
And emergency response
5. Shivendra Singh, Jitendra Singh, Disaster Management
6. Col. (Dr.) Prof. Rajesh Kumar, E. Governance and Disaster Management
7. IGNOU, vkinkizca/ku ,e0ih0,0 018

8. Kevin M. Cahil M.D., Emergency relief operations

### **Course Outcome**

1. Understand the basic concept, meaning and terminologies associated with disaster and national security.
2. Understand the causes, impacts and management of major disasters which took place in India in the past.
3. Understand the meaning, concept and strategies of disaster management with special focus on Disaster management in India.

### **DSS 404 E-2: Conflict and Media (Elective Paper)**

**Total Credit-4**

### **Course Objective**

The objective of the course is to enable the students to understand the concepts of conflict and media, the inter-relationship between the both and the importance and role of Indian media in national security.

### **Unit - I**

1. Conflict : Concept, Meaning and definitions.
2. Media : Concept, Meaning and definitions.

### **Unit - II**

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

### **Unit - III**

1. Information Age and changing dimensions of conflict.
2. Increasing Impact of Media on Society and States.
3. National Security and Role of Media.

### **Unit - IV**

1. Role of Media in India : Size, Characteristics and Impact.
2. Terrorism and Media.
3. Media ethics and Laws regarding Conflict.

### **Books Recommended:**

1. The Media of Conflict: War Reporting and Representations of Ethnic Violence Edited by Tim Allen and Jean Seaton
2. The Media at War: Communication and Conflict in the Twentieth Century. Susan Carruthers.
3. [Eytan Gilboa](#) (Editor), Media and Conflict: Framing Issues, Making Policy, Shaping Opinions War and the Media: Reporting Conflict 24/7 DayaKishanThussu, Des Freedman
4. The Media of Conflict Tim Allen, Jean Seaton
5. Ben O, War and Media Andrew Hoskins, Media and Terrorism Des Freedman, DayaKishan
6. War and the Media Paul M. Haridakis, Barbara
7. John Stanie, War and the media Miles Hudson,

### **Course Outcome**

1. Understand the basic concepts, meanings, and definitions of conflict and media.
2. Understand the inter-relationship between conflict and media.
3. Understand the importance and role of Indian media in national security.

### **DSS 404 E-3: Science and Technology and Non-Traditional Security (Elective Paper)**

**Total Credit-4**

### **Course Objective**

Science and technology is essential to the security and development of the countries in modern times. The objective of the course is to develop understanding of the concept, nature and scope of Non-Traditional Security threats and challenges and the role of science and technology in the management of Non-Traditional Security.

### **Unit- I**

1. Non-Traditional Security (NTS): concept, nature & scope
2. Major NTS Threats and Challenges and their typologies
3. Science, technology and Indian Society: Food, Nutrition and Human Health concerns.

### **Unit- II**

1. India's NTS policy for food, nutrition, human health and other concerns
2. Energy security and conventional sources.
3. Non-conventional options for India's Energy Security.

### **Unit- III**

1. India's policy options for India's Energy Security.
2. India's resource base.
3. Use of science and technology for the exploitation of resources in India's civil and defence sectors.

### **Unit- IV**

1. Resource scarcity and its linkage with conflict situations in India
2. India's integrated science policy for Non-Traditional Security ( NTS ) management.
3. Non-Traditional man- made risk reduction and India's Opportunities.

### **Books Recommended:**

1. Karsten Frey, India's Nuclear Bomb on National Security, Routledge, New York, 2006.
2. Samir K. Sen, Military Technology on DefenceIndustrialisation: The Indian Experience, Manas Publication, New Delhi, 2000.
3. Robert Jackson, Hi-Tech Warfare, Headline Publication, London, 1991.
4. Griffith and Paddy, Ultimate WeapoOnary, Blitz Edition Publications, London, 1991.
5. Air Commodore C. N. Ghose, Future Defence Challenges: Armed Force of the 21<sup>st</sup> Century, Manas Publications, New Delhi.
6. J. Norris, NBC – Nuclear, Biological & Chemical Warfare on the Modern Battlefield, Brassey's, U.K., 1997.
7. Emily O. Goldman and Leslie C Eliason (eds.) The Deffussion of Military Technology and Ideas, Stanford University Press, 2003.
8. Rajesh M. Basrur, Minimum Deterrence and India's Nuclear Security, NUS Press, 2009

### **Course Outcome**

1. Understand the basic concept, nature and scope of Non-Traditional Security.
2. Understand Non-Traditional threats and challenges to India's security.
3. Understand the role of science and technology in the management of Non-Traditional Security of India.

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