



DR. RAM MANOHAR LOHIA AVADH UNIVERSITY, AYODHYA

National Education Policy 2020

Syllabus for the

B.A./B.Sc., DEFENCE AND STRATEGIC STUDIES

Session 2026-27

Syllabus Developed by				
SN	Name of Expert/BoS Member	Designation	Department	College/ University
1.	Prof. Narbadeshwar Pandey (Convener BOS)	Professor	Defence and Strategic Studies	K. S. Saket P.G. College, Ayodhya
2.	Prof. Harsh Kumar Sinha (External Expert) (Online)	Professor	Defence and Strategic Studies	D. D. U. Gorakhpur University, Gorakhpur
3.	Prof. Bharti Das (External Expert) (Online)	Professor	Defence and Strategic Studies	University of Allahabad, Prayagraj
4.	Prof. Vijendra Singh (External Expert)	Professor	Defence and Strategic Studies	Sakaldiha P.G. College, Sakaldiha, Chandauli

Board of Studies on 08 April 2026

Semester-wise Title of the Papers in UG Degree Course							
Year	Semester	Couse Code	Paper Title	T/P	Credits	Evaluation	
						CIE	ETE
Certificate in Defence and Strategic Studies							
First	SEM-I	A120101T	Conceptual Aspect of War	T	4	25	75
		A120102P	Basics of Operational Exercises-I	P	2	25	75
	SEM-II	A120201T	Military History of India	T	4	25	75
		A120202P	Basics of Operational Exercises-II	P	2	25	75
Diploma in Defence and Strategic Studies							
Second	SEM-III	A120301T	National Security- Conceptual Aspects	T	4	25	75
		A120302P	Tactical Exercise without Troops	P	2	25	75
	SEM-IV	A120401T	Strategic Thought	T	4	25	75
		A120402P	Sand Model Exercises, Sketching, Discussion	P	2	25	75
Bachelor in Defence and Strategic Studies							
Third	SEM-V	A120501T	Indian Defence Mechanism	T	4	25	75
		A120502T	National Security of India	T	4	25	75

Doley

		A120503P	Military use of Electromagnetic Spectrum, Press Clipping, Tour	P	2	25	75
		A120504R	Research Project-I	R	2	25	75
	SEM-VI	A120601T	Science And Technology in Relation to Warfare	T	4	25	75
		A120602T	Military Psychology	T	4	25	75
		A120603P	Spotting Strategic Locations, Military Models, Presentations	P	2	25	75
		A120604R	Research Project-II	R	2	25	75
Bachelor (Research) in Defence and Strategic Studies							
Forth	SEM-VII	A120701T	Indian Military History after 1947	T	5	25	75
		A120702T	War and Peace in Modern World	T	5	25	75
		A120703T	International Strategic Relations	T	5	25	75
		A120704T (Elective-1)	Defence Economics	T	5	25	75
		A120705T (Elective-1)	Disaster Management	T	5	25	75
		A120706P (Elective-2)	Strategic Maps	P	5	50	50
		A120707P (Elective-2)	Paper Clipping : Report & Presentation	P	5	50	50
	SEM-VIII	A120801T	Politics and Security of Indian Ocean	T	5	25	75
		A120802T	Theories of Guerrilla Warfare	T	5	25	75
		A120803T	International Law	T	5	25	75
		A120804T (Elective-1)	Research Methodology	T	5	25	75
		A120805T (Elective-1)	Defence Journalism	T	5	25	75
		A120806P (Elective-2)	Chart and Model	P	5	50	50
		A120807P (Elective-2)	Field Visit & Report Presentation	P	5	50	50

Daley

NATIONAL EDUCATION POLICY 2020

Syllabus Structure of UG Program in DEFENCE AND STRATEGIC STUDIES

B.A./ B.Sc. First Year

Certificate in Defence and Strategic Studies

Program/Class: B.A./B.Sc.		Year: First	Semester: I
Subject: Defence and Strategic Studies			
Course Code: A120101T		Course Title: Conceptual Aspect of War	
Course Objectives: 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.			
Total No. of Lectures - 60		Max. Marks: 25+75	
Unit	Topics	No. of Lectures	
	PART - A		
I	1. Conceptual Formulation a) Meaning and definition of Defence and Strategic Studies – Its relevance and significance and relationship with other disciplines of study. b) War - Definition and meaning and basic concepts – Understanding various causes of War. Basic Concepts - War, Campaign, Battle, Strategy, Tactics, Security and Defence. 2. Ancient Indian War and Defense Strategies a. Battle of Ten Kings b. Ramayana c. Mahabharata	8	
II	3. Principles of War 4. War as an instrument of policy : Past, Present and Future	7	
III	5. Modern Warfare a) Concept and definition b) Features of Modern Warfare	7	
IV	6. Guerilla Warfare a) Origin and concept. b) Principles, techniques and characteristics of guerrilla warfare. c) Counter guerrilla measures.	8	
PART - B			
V	7. Psychological and Cognitive Warfare a) Definition and concept. b) Functions and Limitations.	8	
VI	8. Economic Warfare a) Concept and definition	6	

	b) Basic dimensions c) Effects of War on National Economy	
VII	9. Nuclear warfare a) Beginning of nuclear era and effects of nuclear explosion. b) Nuclear Strategies of 'Deterrence' and 'Massive Retaliation'.	8
VIII	10. Chemical and Biological Warfare a) Definition and concept b) Agents, their effect and military use.	8
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 Evra, 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, टण्डन, अग्रवाल (2012) युद्ध और शांति का अध्ययन, शारदा पुस्तक भवन, इलाहाबाद 14. पाण्डेय, बाबूराम एवं पाण्डेय, राममूरत., (2005) युद्ध और शांति के मूल तत्व, प्रकाश बुक, डिब्रो बरला And other books and journals as recommended by the teacher.		

Program/Class: B.A./B.Sc.		Year: First	Semester: I
Subject: Defence and Strategic Studies			
Course Code: A120102P		Course Title: Basics of Operational Exercise-I	
Course Objective: Map reading is an interesting, useful skill to possess as a civilian; it can broaden student's horizons and gave safe access to the countryside. Maps reach back through our nation's history and have always been important.			
Total No. of Lectures - 30		Max. Marks: 25+75	
Unit	Topics		No. of Lectures
	PART - A		
I	1. Maps: Definition and Features; Classification and its utility for Military; Enlargement and reduction of Maps. 2. Conventional Signs: Military and Geographical		6
II	3. GRID System: Four Figure and Six figure Map References.		8
III	4. North: Types of North and finding out True North; The Pole Star Method; The equal altitude method; Watch method & Compass method.		6
IV	5. Scale: Definition, Methods of representing Scale: Inter-conversion of scale into Representative Fraction, construction of simple scale line and the comparative		10

scale lines.		
Program/Class: B.A./B.Sc.		Year: First
Subject: Defence and Strategic Studies		
Course Code: A120201T		Course Title: Conceptual Aspect of War
Course Objectives: Become familiar in evolution of art of warfare in India; Learn and understand the Strategy, tactics, application of principles of war and causes of defeat and victory of various Indian, Mughal, Maratha and Sikh Generals. Besides, in a position to appreciate and understand evolutionary changes in the art and science of war in India through ages.		
Total No. of Lectures - 60		Max. Marks: 25+75
Unit	Topics	No. of Lectures
	PART - A	
I	1. Military System in Vedic and Epic Age with particular reference to Ramayana and Mahabharata 2. Macedonian and Indian art of war with particular reference to the battle of Hydaspes (326 B.C.)	8
II	3. Kautilya's Philosophy of War : State Craft, Military Organisation. Weapon, Intelligence System and the Art of War	7
III	4. Turk and Rajput Military System with particular reference to the Battle of Tarran(1192 AD) 5. Military Organisation and Pattern of Warfare during the Sultanate period with particular reference to Ala-uddin Khilji	7
IV	6. The Mughal Military System with particular reference to the First Battle of Panipat (1526 AD) 7. The Rajput Military Organisation, Weapon system and art of fighting with particular reference to the battle of Khanwah (1527 AD)	8
PART - B		
V	8. The Maratha Military System with special reference to the third battle of Panipat (1761 AD)	8
VI	9. Sikh Military System with special reference to the battle of Sobraon (10 Feb. 1846AD)	6
VII	10. Military System of East India Company , Evolution of Indian Armed forces from 1858 to 1947 A.D. ,Growth of Indian Navy and Air Force	8
VIII	11. India's Wars post independence (In Brief) a. The First India-Pakistan War (1947- 1948) b. India-China War of 1962 c. The India Pakistan War of 1965 d. Liberation of Bangladesh of 1971 e. The Kargil Conflict of 1999 f. Operation Sindoor 2025	8
Suggested Readings:		

1. Alfred, David., (1953) Indian Art of War, Atma Ram , Delhi.
2. Bajwa F.S., (1964) Military System of the Sikhs, Moti Lal, Banarsi Dass, Delhi.
3. Bruce, George., (1969) Six Battles of India, Rupa & Company, Calcutta.
4. Das, S.T., (1969) Indian Military - Its History and Development, Sagar, New Delhi.
5. Dikshitar, Ramachandra V. R. (1999) War in Ancient India. Cosmo, New Delhi.
6. Fuller, J.F.C., (1958) Generalship of Alexander The Great, Natraj Publishes, Dehradun.
7. Gustav Oppert, (1967) Weapons, Army Organisation and Political Maxims of Ancient Hindus, R.F Patel Rajratan Press, Ahmedabad.
8. Kangle, R.P., (1963) Kautilya's Arth Shastra, University of Bombay, Mumbai.
9. Majumdar, B.K., (1960) Military System in Ancient India, Firma K.L. Mukhopadhyay, Calcutta.
10. Majumdar, B.N., (1963) Study of Indian Military History. Army Educational Store, Delhi.
11. Roy, Kaushik, (2004) From Hydaspes to Kargil: A History of Warfare in India from 326 BC to AD 1999. Manohar, New Delhi.
12. Roy, Kaushik (2011), War, Culture and Society in Early Modern South Asia, 1740-1849, Routledge.
12. Roy, Kaushik Ed., (2011), The Indian Army in the Two World Wars Brill.
13. Singh, Sarva Daman. (1997) Ancient Indian Warfare: With Special Reference to the Vedic Period. Motilal Banarsidass, New Delhi.
14. डेविड ,मेजर अलफ्रेड ;(1972),भारतीय युद्ध कला, अनुवाद एस.डी. चौपड़ा ,मध्य प्रदेश हिंदी ग्रंथ अकादमी, भोपाल
15. शर्मा, डॉ. योगेंद्र कुमार एवंनिगम, रामलाल;(1998-99), सैन्य विज्ञान भाग 1 एवं 2,अलका प्रकाशन ,कानपुर
16. सिंह ,टण्डन,अग्रवाल ;(2012),भारतीय युद्ध कला ,शारदा पुस्तक भवन ,इलाहाबाद
17. सिंह,टण्डन,अग्रवाल;(2009), स्वतंत्र भारत की युद्ध कला (कश्मीर से कारगिल तक),शारदा पुस्तक भवन, इलाहाबाद

And other books and journals as recommended by the teacher.

Program/Class: B.A./B.Sc.		Year: First	Semester: II
Subject: Defence and Strategic Studies			
Course Code: A120202P		Course Title: Basics of Operational Exercise-II	
Course Objective: As a soldier proficiency at map reading and navigation is absolutely essential, military units place great emphasis on it during training. It's Pass or Fail. Students can learn it and then further skills by getting out on the hills for the weekend or taking part in orienteering which is a fun, competitive activity			
Total No. of Lectures - 30		Max. Marks: 25+75	
Unit	Topics		No. of Lectures
	PART - A		
I	1. Bearing: Definition, Inter conversion of Bearing in detail.		6
II	2. To find out the bearing of a point from other point situated on the ground.		6
III	3. To determine one's and enemy's position on the map by resection and intersection methods with the help of compass.		8
IV	4. Inter visibility – Determination of inter visibility in case of rise or fall of slope.		10

B.A./B.Sc. Second Year
Diploma in Defence and Strategic Studies

Program/Class: B.A./B.Sc.		Year: Second	Semester: III
Subject: Defence and Strategic Studies			
Course Code: A120301T		Course Title: National Security: Conceptual Aspects	
Course Objectives: Develop core competencies in national security affairs by building his/her capacity on essentials of National Security through theory and practice. Understand the national security challenges both internal and external a country face; and Understand the Contemporary security environment in the world.			
Total No. of Lectures - 60		Max. Marks: 25+75	
Unit	Topics		No. of Lectures
	PART - A		
I	1. Introduction a. Concepts of Nation, State and Nation – State, Security and Defence b. Origin, Cconcept, and objectives of National Security.		8
II	2. National Security Analysis Concept, Components and formulation of Security and Defence Policies and their linkages		7
III	3. National and International Security related Concepts a. National Power and its elements, National Interest, Foreign Policy and Diplomacy. b. Balance of Power, Collective Security and Collective Defence, Non-Alignment, Deterrence, Disarmament and arms control		7
IV	4. Challenges and Threats to National Security a. Military Threats/Challenges :Internal and External b. Non-Military Threats/Challenges: Internal and External		8
PART - B			
V	5. Concept of Defence: Threat Perception, Defence Planning and Reforms, Military, Nuclear and Missile Capabilities of India, China and Pakistan		8
VI	6. Proliferation of weapons of Mass Destruction(WMD)and NPT, CTBT, MTCR, NMD and FMCT		6
VII	7. Armaments: Arms Race, Arms Aid, Arms Trade and Small Arms Proliferation		8
VIII	8. Measures to address the challenges of National Security: a. One-sided initiative, and b. Collaborative approach 9. Relevance of Science & Technology in National Security		8
Suggested Readings:			
1. Booth, K., (2007) Theory of World Security: Cambridge University Press, Cambridge, 2. Buzan, Barry., (1987)People Fear and State: New Delhi, Trans Asia Publications. 3. Das, S.T., (1987) National Security in Perspective: Delhi, Gian Publishing House. 4. Frankel, Joseph., (1970) National Interest: London, Macmillan.			

5. Military Balance., Latest Edition (IISS)
6. Morgenthau, Hans J., (1969) Politics Among Nations, Calcutta, Scientific Book Agency.
7. Palmer, Norman D. and Perkins, Howard C., (1968) International Relations: Calcutta, Scientific Book Agency
8. Chowdhury, Subrata Roy., (1966) Military Alliances and Neutrality in War and Peace: New Delhi, Orient Longman.
9. Singh, Nagendra., (1974) The Defence Mechanism and the Modern State: New Delhi, Asia Publishing House.
10. SIPRI Year Book Latest Edition.
11. उम्मन, टी.के., (2010) सुरक्षा: एक नया दृष्टिकोण, प्रभात प्रकाशन, नई दिल्ली
12. पाण्डेय, डॉ. रामसूरत ., (2014) राष्ट्रीय सुरक्षा एवं अंतरराष्ट्रीय संबंध, प्रकाश बुक डिपो, बरेली
13. सिंह, लल्लन जी., (2003) राष्ट्रीय रक्षा और सुरक्षा, प्रकाश बुक डिपो, बरेली
14. श्रीवास्तव, जे. एम. एवं सिन्हा, हर्ष कुमार (2017), राष्ट्रीय सुरक्षा, ए.एस.आर. पब्लिकेशन, लखनऊ
15. श्रीवास्तव, जे. एम. एवं वर्मा, जगदीश प्रसाद (2022), राष्ट्रीय सुरक्षा, ए.एस.आर. पब्लिकेशन, लखनऊ
16. सिंह, अशोक कुमार ., (2018), राष्ट्रीय सुरक्षा, प्रकाश बुक डिपो, बरेली
17. कुमार, महेंद्र ., (2005) अंतराष्ट्रीय राजनीति के सैद्धांतिक पक्ष, शिवलाल अग्रवाल एंड कंपनी, आगरा
18. प्रो. नरबदेश्वर पाण्डेय, भारतीय राष्ट्रीय सुरक्षा में प्रधानमंत्री श्रीमती इंदिरा गाँधी का योगदान (1966-1984) भवदीय प्रकाशन, अयोध्या

And other books and journals as recommended by the teacher.

Program/Class: B.A./B.Sc.		Year: Second	Semester: III
Subject: Defence and Strategic Studies			
Course Code: A120302P		Course Title: Tactical Exercise without Troops (Field Craft)	
Course Objectives: Field Craft is an important aspect of military training as it relates to the conduct of a soldier in face of the enemy. Field Craft is an art of using the ground and the weapon available to the best of one's own advantages.			
Total No. of Lectures - 30		Max. Marks: 25+75	
Unit	Topics		No. of Lectures
	PART - A		
I	1. Elementary knowledge of modern tactics, key words field craft – a. Study and description of ground b. Judging distance c. Indication of target d. Fire and control e. Section formation, Platoon formation 2. Outline organization of Infantry Battalion 3. Organization, weapons and equipment at platoon level		8
II	4. Patrolling a. General b. Preparation c. Conduct and d. De-briefing		8
III	5. Verbal order at Platoon Level 6. Message Writing		6

IV	7. Appreciation of the sand model on the following a. Attack b. Defence	8
----	---	---

Program/Class: B.A./B.Sc.	Year: Second	Semester: IV
Subject: Defence and Strategic Studies		
Course Code: A120401T	Course Title: Strategic Thought	

Course Objectives: Acquaint them with the concepts of strategic thinking as propounded by prominent classical and modern thinkers. Students will also develop analytical thinking regarding relevance of such thought to contemporary period.

Total No. of Lectures - 60		Max. Marks: 25+75
Unit	Topics	No. of Lectures
	PART - A	
I	1. Kautilaya's Philosophy of war.	8
II	2. Sun Tzu- The Art of war.	7
III	3. Clausewitz's theories on war and politics.	7
IV	4. Mao-Tse-Tung's views on Guerrilla warfare.	8
	PART - B	
V	5. J.F.C. Fuller and Liddell Hart: Their views on Mechanized warfare	8
VI	6. Mahan's Views on Sea Power and Naval Warfare.	6
VII	7. Douhet and Mitchell: Their views on the Role of Air Power in Modern Warfare.	8
VIII	8. Y.Harkabi, John Foster Dulles and Andre Beaufre - Theories of Nuclear War and Deterrence. 9. Thoughts of Mahatama Gandhi and Nehru on Peace, Security and Development.	8

Suggested Readings:

1. Dass, S.T., (1987) An Introduction to the art of war
2. Earl, E.M., (1943) Makers of Modern Strategy, Princeton.
3. Fuller, J.F.C., (1998) Armament and History, Da Capo Press.
4. Fuller, J.F.C., (1992) The Conduct of war, Da Capo Press.
5. Shama Shastri., (2012) Kautilya's Arthshastra, Low price Publications.
6. Tzu, Sun., (2015) The Art of War, Grapevine, India.
7. Duffy, Christopher., (1987) Siege Warfare, Routledge Kegan Paul.
8. Ropp, Theodore., (2000) War in the Modern World, John Hopkins.
9. Beaufre Andre., (1965) Deterrence and Strategy, Faber & Faber.
10. Mao-Te-Tung., (1967) On the protracted War: Selected works, Foreign Language Press, Peiking.
11. Nasution, Abdul Haris., (1965) Fundamentals of Guerrilla Warfare, Fredrick A Prager.
12. Reid, Brain Holden., (1987) J.F.C.Fuller: Military Thinker, Palgrave McMillan.
13. Greene, T.N., (1962) The Guerrilla and How to Fight Him, Fredrick A Prager.
14. जौहरी, आर.सी., (1977), पञ्चायत सैन्य विचारक, चंद प्रकाश एंड ब्रदर्स, हापुड
15. पाण्डेय, बाबूराम एवं पाण्डेय, रामसूरत., (2005), स्वातंत्र्य विचारक, बरेली बुक डिपो, बरेली
16. सिंह, लल्लन जी., (1997-98), आधुनिक सैन्य चिंतक (विचारक), प्रकाश बुक डिपो, बरेली
17. अधिकारी, शेखर, (2001). आधुनिक स्वातंत्र्य चिंतन, एस.पी.जे पब्लिकेशंस, इलाहाबाद

18. चेगुएवारा आर्गेस्तो.,(2008) छापामार युद्ध ,अनुवाद नरेश 'नदीम', प्रकाशन संस्थान ,नई दिल्ली
 19. सुतजू .,(2010) युद्ध की कला, अनुवाद डॉ.आलोक कुमार ,माण्डे प्रेस, नोएडा

And other books and journals as recommended by the teacher.

Program/Class: B.A./B.Sc.		Year: Second	Semester: IV
Subject: Defence and Strategic Studies			
Course Code: A120402P		Course Title: Sand Model Exercises, Sketching, Discussion	
Total No. of Lectures - 30		Max. Marks: 25+75	
Unit	Topics	No. of Lectures	
	PART - A		
I	1. Sand Model Exercises a. Battle of Panipat, 1526 A.D. b. Battle of Assaye, 1803 A.D.	6	
II	2. Sketching of the Charts of Indian Battles a. Battle of Thagla Ridge, 1962. b. Kargil Conflict, 1999	8	
III	3. Sketching of the Charts of Western Battles a. Battle of Trafalgar, 1805. b. Battle of Somme, 1916.	6	
IV	4. Lecture and group discussion on current defence topics.	10	

B.A. /B.Sc. Third Year
Bachelor in Defence and Strategic Studies

Program/Class: B.A./B.Sc.		Year: Third	Semester: V
Subject: Defence and Strategic Studies			
Course Code: A120501T		Course Title: Indian Defence Mechanism	
Course Objectives: Equip the students with specific knowledge of India's threat perceptions; An assessment at both internal and external level besides fair idea of problems the country faces as a nation state; and The Structure, objectives, role and problems of Civil Defence Organization in India.			
Total No. of Lectures - 60		Max. Marks: 25+75	
Unit	Topics	No. of Lectures	
	PART - A		
I	1. Introduction and Differences between Army , Military and Defence Forces 2. Second line Defence [introduction to Paramilitary Forces in brief]	8	
II	3. 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.	7	
III	4. Higher Defence Organizations of India a. Power of the President of India in relation of Defence. b. Role and function of Ministry of Defence.	7	

	c. Composition and function of Defence Committees/NSC. d. Chief of Staff and joint service Organization.	
IV	5. Army Organization a. Organization of army Headquarters (Role of COAS and PSOs). b. Static and Field formation of Indian Army. c. Arms and Services.	8
PART - B		
V	6. Air Force Organization a. Organization of Air Force Headquarters (Role of CAS and PSOs). b. Static and Field formation of Indian Air Force.	7
VI	7. Navy Organization a. Organization of Naval Headquarters (Role of CNS & PSOs). b. Static and Field formation of Indian Navy.	7
VII	8. Cooperation Between Armed Forces and Civil Authorities a. Theatre Command b. Maintenance of Law and Order c. Flood Relief Operations d. Rescue and Relief Operation	8
VIII	9. Indian's Defence Cooperation with Foreign Countries a. Defence Diplomacy. b. Cooperation on Capacity Building and Training c. Defence Partnerships with Major Powers	8

Suggested Readings:

1. Venkateswaran, A.L., (1967) Defence Organisation in India, New Delhi: Government of India.
2. Government of India, (1924) The Army of India and its Evolution, Calcutta.
3. Ministry of Defence, Government of India, Indian Armed Forces Year Book, (Annual).
4. Palit, D.K., (1989) Essentials of Military Knowledge, New Delhi.
5. Singh, Nagendra., (1967) Defence Mechanism of Modern State, New Delhi.
6. शर्मा, डॉ. योगेंद्र कुमार एवं निगम, राम लाल ;(1998-99), सैन्य विज्ञान भाग 2, अलका प्रकाशन ,कानपुर
7. वार्षिक रिपोर्ट : रक्षा एवं विदेश मंत्रालय, भारत सरकार
8. कारडोजो, मेजर जनरल इयान.,(2016) भारतीय सेना का गौरवशाली इतिहास, अनुवाद विनोद कुमार मिश्र, प्रभात प्रकाशन दिल्ली

And other books and journals as recommended by the teacher.

Program/Class: B.A./B.Sc.		Year: Third	Semester: V
Subject: Defence and Strategic Studies			
Course Code: A120502T		Course Title: National Security of India	
Course Objectives: Students will learn about the National Security of India and evaluate its strengths and weaknesses. Equip the students with specific knowledge of India's threat perceptions; An assessment at both internal and external level besides fair idea of problems the country faces as a nation state.			
Total No. of Lectures - 60		Max. Marks: 25+75	
Unit	Topics		No. of Lectures
	PART - A		

I	1. India's Geo-Strategic Location and significance. a. India's Borders- Nature and characteristics of land borders. b. Indian ocean territory and its strategic significance	8
II	2. Indian Concept of National Security a. Meaning and Definition b. Threat Perceptions c. Types of threats to India	7
III	3. India's Security Problems since independence. a. Geo-political effects of partition. b. Effects on Armed Forces	7
IV	4. Determinants of Indian Foreign Policy - Basic Determinants: Objectives of Indian foreign policy; global and regional perspective.	8
PART - B		
V	5. External Dimensions of India's security a. Security problems related to Pakistan including Indo-Pak wars. b. Security problems related to China including 1962 Sino-Indian war. c. Regional Security challenges. d. India's Maritime Security Challenges	7
VI	6. Internal dimension of India's security a. Terrorism in Jammu & Kashmir b. Insurgency in North eastern states c. Naxalism	7
VII	7. Defence Organization in India: - Structure, Objectives, Role, and Problems.	8
VIII	8. National Security Council: Structure and Role 9. National Security Management and Future Challenges	8

Suggested Readings:

1. Bajpai, U.S., (1986) India and its Neighbourhood: New Delhi, Lancer International.
2. Baranwal, S.P., (1984) Measures of Civil Defence in India: New Delhi, Guide Publications.
3. Bobbing, Ross and Gordon, Sandy, (1992) India's Strategic Future: Delhi, Oxford University Press.
4. Chatterjee, R.K. (1978) India's Land Borders- Problems and Challenges: New Delhi, Sterling Publishers.
5. Chaudhury, Rahul Roy, (1995) Sea Power and India's Security, London, Brassey's.
6. Dass, S.T., (1987) National Security in Perspective: Delhi, Gian Publishers.
7. Kavic, Lorne J., (1967) India's Quest For Security: Defence Policies 1947-1965, Los Angeles, University of California Press.
8. Menon, V.P., (1961) The Story of the Integration of Indian States: New Delhi, Orient Longmans.
9. Nayar, V.K., (1992) Threats From Within: New Delhi, Lancer Publications.
10. Rao, Ramakrishna and Sharma, R.C., (1991) India's Borders, New Delhi, Scholars' Publishing Forum.
11. Rao, P.V.R., (1970) Defence Without Drift: Bombay, Popular Prakashan.
12. Singh, Jaswant (1999) Defending India: Bangalore, Macmillan India Ltd.
13. दत्त, बी.पी., (2007) स्वतंत्र भारत की विदेश नीति, अनुवाद नरेंद्र तोमर, नेशनल बुक ट्रस्ट इंडिया
14. कुमार, अशोक., (2015) भारत की आंतरिक सुरक्षा: मुख्य चुनौतियां, माइग्राहिल एजुकेशन (भारत) प्राइवेट लिमिटेड, नई दिल्ली
15. शरण, हरीएवंसिन्हा, हर्षकुमार., (2012) हिंद महासागर: चुनौतियां एवं विकल्प, प्रत्यूष पब्लिकेशन दिल्ली
16. मलिक, जनरल पी.वी., (2014) भारतीय सैन्य शक्ति, प्रभात प्रकाशन, दिल्ली

17. माधव,राम.,(2015) असहज पड़ोसी(युद्ध के वर्षों बाद भारत और चीन 50) प्रभात पेपरबैक्स ,नई दिल्ली

And other books and journals as recommended by the teacher.

Program/Class: B.A./B.Sc.		Year: Third	Semester: V
Subject: Defence and Strategic Studies			
Course Code: A120503P		Course Title: Military use of Electromagnetic Spectrum, Press Clipping, Tour	
Total No. of Lectures - 30		Max. Marks: 25+75	
Unit	Topics		No. of Lectures
	PART - A		
I	1. Thermal Imaging and Sensors. 2. Radars and its significance.		10
II	3. Introduction to Electronic Warfare in terms of Lasers, ECM, ECCM		8
III	4. Press Clippings on allotted current topics with a brief assignment		6
IV	5. Educational Tour and its report.		6

Program/Class: B.A./B.Sc.		Year: Third	Semester: V
Subject: Defence and Strategic Studies			
Course Code: A120504R		Course Title: Research Project-I	
Total No. of Lectures - 45		Max. Marks: 25+75	
Unit	Topics		No. of Lectures
	PART - A		
I	The Candidate has to select and give inputs in any one of the following. It may include..... 1. Indo-Nepal Border Security and Management 2. Study and assessment of potential cyber threats in your area.		10
II	Involving application of knowledge in solving/analyzing/exploring real life situation/difficult issues related to Defence and Strategic Studies		11
III	Develop a tool for conducting a survey of the selected area and collect data from the area/ seek permission to conduct short training in the area.		12
IV	A detailed Report to be prepared and submitted.		13

Program/Class: B.A./B.Sc.		Year: Third	Semester: VI
Subject: Defence and Strategic Studies			
Course Code: A120601T		Course Title: Science and Technology in Relation to Warfare	

Course Objectives: Acquire knowledge on how significant the role of science and technology is to Society and to National Security. The paper also provides realization in contemplating on the military-industrial complex (MIC) of a nation; besides Understanding the concepts and applications of Electronics Warfare, Space and Ballistic Missile Defence (BMD) in Warfare.

Total No. of Lectures - 60		Max. Marks: 25+75
Unit	Topics	No. of Lectures
	PART - A	
I	1. Science, Technology and National Security.	8
II	2. Impact of Science and Technology on Society and warfare.	7
III	3. Transfer of Technology: a. International interdependence b. Role of Multinational Corporations.	7
IV	4. Armament technology (in brief): a. Armoured vehicles: Tanks and APC's b. Aircrafts, UAV's and Missile c. Submarine and Aircraft carrier	8
PART - B		
V	5. Electronics Warfare: Concept and applications	7
VI	6. Ballistic Missile Defence (BMD): Concept and applications.	7
VII	7. Revolution in Military Affairs (RMA)	8
VIII	8. Defence R&D and Defence Production in India	8

Suggested Readings:

1. Arcangelis, Mariode, (1990) Electronics Warfare, Ratna , New Delhi
2. Rehman, A. (1972) Science Technology and Society: New Delhi, People's Publishers House.
3. Anand. A. (2003) Information Technology: The future warfare weapons: New Delhi, Ocean books.,
4. Baranson, Jack. (1978) Technology and the Multinationals: Lexington, Lexington Books.
5. Johan Erickson (Ed.) (1966) The Military Technical Revolution: Its Impact on strategic and Foreign Policy: New York, Frederick A Prager.
6. Macksey, Kenneth (1986) Technology in War: The impact of Science on weapon development and modern Battle: NY, Prentice Hall.
7. Mann T.S., (1982) Transfer and Technology: Bombay, Himalaya Publications House.
8. Jasbir R.K, (1987) Handbook of military science and Armament Technology: Dehradun, Natraj publications
9. Singer, H.W., (1988) Technology Transfer by Multinational Vol. I& II: New Delhi, Ashis.
10. Tiwari V.M. and Rajnikant, (1996) The high tech war at twentieth Century: New Delhi, Vikas.
11. Rajan,Y.S. (2001) Empowering India (with Economic Business & Technological strengths for the twenty First Century) : New Delhi, Hari Anand.
12. Robert H . Latiff, (2017) Future war, Penguin Random House.
13. कलाम ,डॉ.ए.पी.जे .अब्दुल एवं राजन ,वाई .एस.,(2015) भारत 2020 और उसके बाद ,प्रभात प्रकाशन ,नई दिल्ली
14. बाला ,मनमोहन ,(2000)रक्षा विज्ञान आयुध तथा टेक्नोलॉजी, प्रभात प्रकाशन ,नई दिल्ली
15. बाला ,मनमोहन.,(2005) युद्ध और सूचना प्रौद्योगिकी, विकास दीप प्राइवेट लिमिटेड ,नई दिल्ली

Soley

16. शंकर ,काली ,उपग्रह संचार प्रणाली के बढ़ते कदम ,बी.पी.बी .पब्लिकेशन, नई दिल्ली

And other books and journals as recommended by the teacher.

Program/Class: B.A./B.Sc.		Year: Third	Semester: VI
Subject: Defence and Strategic Studies			
Course Code: A120602T		Course Title: Military Psychology	
Course Objectives: After having done this course, student would be able to understand and appreciate psychological aspects of war making, military leadership and emotional issues that are faced by soldiers during war and peace.			
Total No. of Lectures - 60		Max. Marks: 25+75	
Unit	Topics		No. of Lectures
	PART - A		
I	1. Military Psychology: Definition, Scope, Significance and its role during war and peace.		8
II	2. Psychological Weapons of War: Propaganda, rumor and indoctrination.		7
III	3. Fear and Panic in War: Causes, Consequences and Management		7
IV	4. Military Leadership: Meaning, attributes, importance and role of training.		8
PART - B			
V	5. Discipline: Definition, purpose and tools of maintaining discipline		7
VI	6. Motivation and Morale factors and their utilization in the armed forces.		7
VII	7. Man Management:-Concept, importance and strategy vis-à-vis armed forces.		8
VIII	8. Emotional problems and adjustment during war and peace.		8
Suggested Readings:			
1. Bartlett, F.C., (1927) Psychology and the Soldier, Cambridge, Cambridge University Press..			
2. Baynes, John., (1967) Morale, A study of Men and courage London, Cassell.			
3. Boring, E.G., (ed.), (1945) Psychology for the Armed Services, Dehradun, Natraj Publishers.			
4. Chibber, M.L. (1986) Military Leadership to Prevent Military Coup, New Delhi, Lancer International			
5. Copeland, Norman., (1967) Psychology and the soldier, Dehradun, English Book Depot..			
6. Hasnain Qamar., (1967) Psychology for the fighting man, Dehradun, English Book Depot, Publishing Company.			
7. Lienbarger, P.M.A., (1954) Psychological Warfare, Washington, D.C. Combat Press.			
8. Raj Narain, (1979) Military Psychology, Agra: National Psychological Co-operation, 1st edition.			
9. Nidhi Maheshwar, (2016) Military Psychology: Concepts, Trends & Interventions, Sage Publication India Pvt Ltd.			
10. गुप्त ,परशुराम.,(2015) सैन्यमनोविज्ञान, प्रकाश बुक डिपो, बरेली			
11. तिवारी, डॉ.निरंकर प्रसाद .,(2015) सैन्यमनोविज्ञान ,ए .एस .आर. पब्लिकेशन ,लखनऊ			
12. सिन्हा ,हर्षकुमार एवं सिंह , विनोद कुमार, सैन्यमनोविज्ञान, प्रत्युष पब्लिकेशन नयी दिल्ली,			
And other books and journals as recommended by the teacher.			

Program/Class: B.A./B.Sc.		Year: Third	Semester: V
Subject: Defence and Strategic Studies			
Course Code: A120603P		Course Title: Spotting Strategic Locations, Military Models, Presentations	
Total No. of Lectures - 30		Max. Marks: 25+75	
Unit	Topics		No. of Lectures
	PART - A		
I	1. Strategic Maps of India: India and her neighbours; Indian States and Union Territories with Capitals; Strategic Raw Materials and Defence Industries and Atomic Reactors.		8
II	2. World: World Map in 1945, Countries of NATO, Non-Aligned Countries, Countries of South Asia, South East Asia, Far East and West Asia; Nuclear Nations, Indian Ocean Littoral States and World Sea Routes.		8
III	3. Making of Models - a. Fighter Plane. b. Battle Ship. c. Rader d. Submarine e. Tank f. Missile g. Helicopter		8
IV	4. Presentations on current defence topic		6

Program/Class: B.A./B.Sc.		Year: Third	Semester: VI
Subject: Defence and Strategic Studies			
Course Code: A120604R		Course Title: Research Project-II	
Total No. of Lectures - 45		Max. Marks: 25+75	
Unit	Topics		No. of Lectures
	PART - A		
I	The Candidate has to select and give inputs in anyone of the following. It may include..... 1. Any Natural/Man Made disaster of your area and its management. 2. Potential threats to the city security and its management		10
II	An intervention plan would be developed based on problem identified in the area/a field visit is mandatory to develop an understanding of the whole process.		12
III	The planned intervention to be carried in the selected area Based on the intervention, the pre-intervention state and post intervention data has to be collected and compared/based on visit and interaction the detailed in-depth data has to be collected.		11
IV	A detailed Report is to be submitted and evaluated.		12

**B.A. /B.Sc. Forth Year
(M.A. /M.Sc. First Year)**

Bachelor (Research) in Defence and Strategic Studies

Program/Class: B.A./B.Sc. (Program/Class: M.A./M.Sc.)		Year: Forth (Year: First)	Semester: VII (Semester: I)
Subject: Defence and Strategic Studies			
Course Code: A120701T		Course Title: Indian Military History after 1947	
Course Objectives: This Indian knowledge culture centric course includes an understanding of Indian Military History after independence, and the Defence Organization of India. The main objective of this paper is to enhance the understanding of the student about the Indian military systems after independence and to inculcate strategic thinking insight into them.			
Core: Compulsory			
Total No. of Lectures - 60		Max. Marks: 25+75	
Unit	Topics	No. of Lectures	
I	Ancient Indian Knowledge Culture with Special Reference to War and Defence Studies a) Atharvaveda – with reference to National Integration and Modern India (द्वादश काण्ड एवं भूमिसूक्त) (12-1-1 से 12-1-17 तक) b) Epic (Ramayana and Mahabharat) – with reference to War for Public Welfare c) Srimad Bhagwat-Gita – with reference to War for Human Welfare अध्याय-2 - (3, 4, 5, 6, 11, 22, 23, 25, 27) अध्याय-3 - (35), अध्याय-4 - (7, 8), अध्याय-18 - (7, 8)	10	
II	Partition of India and Armed Forces a) Status of Armed Forces b) Partition of India c) Genesis and Prospects of Kashmir Dispute (1948) d) Role of Air Force	10	
III	Sino-Indian War 1962 a) Border Dispute b) Military Operations c) Politico-Military Lessons d) India – China Border Standoff 2017	10	
IV	Indo-Pak War 1965 a) Background and Causes of Indo-Pak War 1965 b) Military Operations on Western Fronts, c) Politico-Military Lessons	10	
V	Indo-Pak War 1971 a) Genesis and Causes of Indo-Pak War 1971 b) Military Operations in Eastern Front and Emergence of Bangladesh c) Politico-Military Lessons	10	
VI	Kargil Conflict 1999 a) Causes b) Military Operations, Role of IAF c) Politico-Military Lessons d) India – Pakistan Border Skirmishes 2016 and 2019 Operation Sindoor 2025	10	
Suggested Readings:			

1. Chopra, MK – India - the Search for Power
2. Cohen, SP – The Indian Army
3. Cohen, SP – The Pakistan Army
4. Dalvi, JP – Himalyan Blunder
5. Gupt, Sisir – Kashmir
6. Kavie, L J - India's Quest for Security
7. Mankekar, DR – 22 Faithful Days
8. Maxwells – India's China War of 1962
9. Murti, TS – India - China Boundary: India's Options
10. Palit, DK – War in Detergent Age
11. Saigal, JR – Unfought War of 1962
12. Singh, Bhopinder – Indq-Pak Conflict on Kashmir
13. Singh, Harbansh – Indo-Pak Conflict 1965
14. Singh, Jasjit – Kargil 1999
15. Singh, Nagendra – The Theory of Forces and Organisation of Defence
16. Singh, S – Libration of Bangladesh
17. Subramanyam, K – India's Security and Bangladesh

And other books and journals as recommended by the teacher.

Program/Class: B.A./B.Sc. (Program/Class: M.A./M.Sc.)		Year: Forth (Year: First)	Semester: VII (Semester: I)
Subject: Defence and Strategic Studies			
Course Code: A120702T		Course Title: War and Peace in Modern World	
Course Objectives: Legal aspects of war are essential for the survival of the concerned state. The objective of the course is to develop understanding of the concept and the various dimensions war and his legality. Human right and Humanitarian law are issues related to the legal aspects of war. Legal status of refugee is the most important problem for the nations, so we studies the above content in this paper International humanitarian law.			
Core: Compulsary			
Total No. of Lectures - 60		Max. Marks: 25+75	
Unit	Topics		No. of Lectures
I	1. Roots of Conflict in World Politics 2. Origins of War: World Wars I and II, the Vietnam War.		12
II	3. The Cold War and the Struggle against the weapons of mass destruction (WMD) 4. The United Nations, common Security and Globalization.		12
III	5. September 11 and the Campaign against Terrorism 6. The Invasion and Occupation of Iraq.		12
IV	7. Alternative to Unilateral Preemption 8. Role of NATO in world politics.		12
V	9. Media and war, social networking and uprising. 10. Rise of Regionalism and world politics.		12
Suggested Readings:			
1. Tandon, M.P, and Rajesh Tandon, (1987) An Introduction of International Law, Allahabad Law Agency, Allahabad.			
2. Kapoor, S.K., (1987) International Law, Central Law Agency, Allahabad.			
3. Chavan, R.S., (1971) An Approach to International Law, Sterling Publisher, New Delhi.			

Only

4. Starke, J., (1972) An Introduction to International Law, Buttersworth, London.
5. Oppenheim, L (2008) International Law. 9th Edition, University of Cambridge.
6. Quincy Wright, A Study of War, Chicago, 1965

Books and journals as recommended by the teacher.

Program/Class: B.A./B.Sc. (Program/Class: M.A./M.Sc.)		Year: Forth (Year: First)	Semester: VII (Semester: I)
Subject: Defence and Strategic Studies			
Course Code: A120703T		Course Title: International Strategic Relations	
Course Objectives: To provide the broad field within which Nations of States and non-state factors interact. An attempt is made to provide for both of theoretical understanding of how and why Nations behave as they do and also a historical survey of the Major Trends in World Affairs.			
Core: Compulsory			
Total No. of Lectures - 60		Max. Marks: 25+75	
Unit	Topics		No. of Lectures
I	1. Introduction to the understanding of International Relations 2. Theories and Approaches: a) The Classical (Traditional) Approaches- Utopian Liberalism (Idealism) and Realism b) The Scientific Revolution- Behavioral approach, Systems Approach, Decision Making Theory, Game Theory & Communication Theory c) Post Scientific Revolution: Neo Liberalism and Neo Realism d) Trans-nationalism.		12
II	3. The role of ideology in international relations with special reference to its role in Foreign Policy: Images & Beliefs. 4. Foundations and Limitations of National Power. 5. Concept of National Interest and its role in the formulation of foreign policy. 6. The theories of Balance of Power and Collective Security.		12
III	7. Non-alignment: concept and importance in modern times. 8. Diplomacy: Traditional concepts and contemporary trends. 9. The birth of nations, Decolonization and the Neocolonialism. Concept of Nation State and Nation State-Elements of State.		12
IV	10. Cold war: Nature and evolution since 1945; 11. Détente: Nature and US and Soviet perceptions 12. New Cold War 13. Developments in the Third World: Regionalism		12
V	14. War as an Instrument of National Policy 15. India's Relation with USA, Russia, China, Pakistan, Israel, European Union and Central Asia 16. India's Foreign Policy: Its Foundations and Practice.		12
Suggested Readings:			
1. Aron, R. – War and Peace 2. Bernard, L. - War and Its Causes 3. Black, C. – Neutralization 4. Calvocoressi, P. – World Politics Since 1945 5. Columbus, T.A and Wolfe, J.H. – International Relations : Power and Justice 6. Deutsch, Karl, W. – The Analyses of International Relations 7. Frankel, J. – International Relations			

8. Frankel, J. – Making of Foreign Policy
9. Gibbs, G. – Problems of International Relations
10. Godwin, R. – Readings in World Politics
11. Gupta, M.G. – International Relations, Vol. I and II
12. Kar, E.H. – Between Two World Wars
13. Knorr and Verba – The International Politics
14. Kumar, M. – Theoretical Aspects of International Politics
15. Morgenthau, H.J. – Politics Among the Nations
16. Northeges – Foreign Policy and Power
17. Palmer, N.D and Perkins, H.C. – International Relations
18. Sprout and Sprout – International Politics
19. Wright, Q. – A Study of War
20. श्रीवास्तव, जे. एम. एवं वर्मा, जगदीश प्रसाद, अंतर्राष्ट्रीय सम्बंध, (2021) ए.एस.आर. पब्लिकेशन्स, लखनऊ
21. प्रो. नरदेवश्वर पाण्डेय, भारतीय राष्ट्रीय सुरक्षा में प्रधानमंत्री श्रीमती इंदिरा गाँधी का योगदान (1966-1984) भवदीय प्रकाशन, अयोध्या

And other books and journals as recommended by the teacher.

Program/Class: B.A./B.Sc. (Program/Class: M.A./M.Sc.)		Year: Forth (Year: First)	Semester: VII (Semester: I)
Subject: Defence and Strategic Studies			
Course Code: A120704T		Course Title: Defence Economics	
Course Objectives: 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 interrelationship of war and economy.			
Core: Elective			
Total No. of Lectures - 60		Max. Marks: 25+75	
Unit	Topics		No. of Lectures
I	1. Economic Systems—Role of States vs Markets; Capitalism, Socialism and Mixed Economy from Industrial Revolution to modern times. 2. Economic Theory of Defence.—Adam Smith, David Ricardo, F.W. Hirst, Evan F.M. Durbin, J.M. Keynes. 3. Defence, Development and Disarmament relationship. 4. Systems Analysis for defence.		12
II	5. War Potential of a nation.—Natural, Physical, Financial, Industrial and Manpower resources. 6. Economic Constraints in Defence Planning and Management. 7. Defence Production Programme in India: (i) Ordnance Factories. (ii) Defence Public Sector Undertakings.		12
III	8. National Income Analysis. 9. Determinants of Planning, Programming and Budgeting. 10. Defence Budgeting in India after 1947. 11. Nature of Modern war and peace economy.		12
IV	12. Mobilization of Resources for Defence: Domestic and Foreign resources, Methods of mobilization, War and Peace time mobilization Policy, effectiveness in short duration wars, mobilization during nuclear war. 13. National Security and International Trade: WTO, TRIPS, TRIMS, NAFTA, SAPTA.		12
V	14. Impact of Economic Liberalization and Globalization on India.		12

15. Economic Causes of War.
16. Economic Warfare in modern times.
17. Economic Problems of Post War reconstruction.

Suggested Readings:

1. Agarwal, R. K. – Defence Production and Development
2. Chopra, V.D. – Disarmament and Development
3. Clark, J.J. – The New Economics of National Defence
4. Faramazyar, R. – Disarmament and the Economy
5. Gavin Kennedy – Defence Economics
6. Hirst, F.W. – The Political Economy of War
7. Hitch & McKean – The Economics of Defence in the Nuclear Age
8. Hitch. – Decision Making for Defence
9. Jain, L.C. – Indian Economy During the War
10. James, E.K. – Arms Production in Developing Countries
11. Khanna, D.D. – Defence Versus Development
12. Kozlow, G. A. – Political Economy : Capitalism
13. Mannur, H. G. – International Economics
14. Medicott, W.N. – The Economic Warfare
15. Mehta, J.K. – Problems of Economic Development
16. Merrill & Carter – Mobilization and the National Defence
17. Murphy – The British War Economy
18. Pagou, A.C. – Political Economy of War
19. Pandey, S.P. – An Outline of Defence Economics
20. Richard, K. Ashley – The Economic Problems of War and Peace in the Nuclear Age

And other books and journals as recommended by the teacher.

Program/Class: B.A./B.Sc. (Program/Class: M.A./M.Sc.)		Year: Forth (Year: First)	Semester: VII (Semester: I)
Subject: Defence and Strategic Studies			
Course Code: A120705T		Course Title: Disaster Management	
Course Objectives: To provide a broad understanding about the Disasters and role of various Government, NGOs and IGOs in its management.			
Core: Elective			
Total No. of Lectures - 60		Max. Marks: 25+75	
Unit	Topics		No. of Lectures
I	1. Introduction to Disaster Management a) What is Disaster and Hazard? b) What are Vulnerability, Risk and Capacity? c) What classification of Disaster d) Disaster Management Cycle		12
II	2. Disaster Management in India a) Background b) National Disaster Management Act 2005 c) National Policy on Disaster Management, 2009 d) The National Disaster Management Plan, 2016 e) Disaster Management Cycle in India		12
III	3. Natural Hazards in India a) India: Vulnerability Profile b) Natural Disasters c) Man Made Disasters d) Disaster Insurance		12
IV	4. Community Based Disaster Management		12

	5. Role of the Media in Disaster Management 6. Role of Social Media in Disaster Management 7. Retrofitting of Buildings – The Key is to Let it wing	
V	8. Climate Change and Disaster Management 9. Poverty and Disaster 10. NDMA Guidelines 11. National Disaster Plan for Animals	12

Suggested Readings:

1. Bryant Edwards (2005): Natural Hazards, Cambridge University Press, U.K.
2. Carter, W. Nick, 1991: Disaster Management, Asian Development Bank, Manila.
3. Central Water Commission, 1989, Manual of Flood Forecasting, New Delhi.
4. Darnon, P. Copola, (2006) Introduction to International Disaster Management, Butterworth Heineman.
5. Government of India, 1997, Vulnerability Atlas of India, New Delhi.
6. Gupta A.K., Niar S.S and Chatterjee S. (2013) Disaster management and Risk Reduction, Role of Environmental Knowledge, Narosa Publishing House, Delhi.
7. Kasperson, J.X., R.E. Kasperson, and B.L. Turner III (Eds.), 1995, Regions at Risk: Comparisons of Threatened Environments, United Nations University Press, Tokyo
8. Modh S. (2010) Managing Natural Disasters, Mac Millan publishers India LTD.
9. Murthy D.B.N. (2012) Disaster Management, Deep and Deep Publication PVT. Ltd. New Delhi.
10. Roy, P.S. (2000): Space Technology for Disaster management: A Remote Sensing & GIS Perspective, Indian Institute of Remote Sensing (NRSA) Dehradun.
11. Sahni, Pardeep et.al. (eds.) 2002, Disaster Mitigation Experiences and Reflections, Prentice Hall of India, New Delhi.
12. Sharma, R.K. & Sharma, G. (2005) (ed) Natural Disaster, APH Publishing Corporation, New Delhi.
13. Singh Satendra (2003): Disaster Management in the Hills, Concept Publishing Company, New Delhi.
14. Taori, K (2005) Disaster Management through Panchayati Raj, Concept Publishing Company, New Delhi.
15. White, G.F, 1974, Natural Hazards: Local, National, Global, Oxford University Press, New York.
16. White, Gilbert F. and J. Eugene Hass, 1975, Assessment of Research on Natural Hazards, Cambridge, the MIT Press, MA.

And other books and journals as recommended by the teacher.

Program/Class: B.A./B.Sc. (Program/Class: M.A./M.Sc.)		Year: Forth (Year: First)	Semester: VII (Semester: I)
Subject: Defence and Strategic Studies			
Course Code: A120706P		Course Title: Strategic Map	
Course Objectives: Students will be expected to mark the areas and spot strategic points on the map provided and write a brief note about the different strategic areas/spots.			
Core: Elective			
Total No. of Lectures - 60		Max. Marks: 50+50	
Unit	Topics		Marks
I	Zonal Headquarters of Indian Army, Navy and Air Force		20
II	Important Naval Bases and Ports of India		20
III	Important Nuclear and Space Research Establishments in India		20
IV	Defence Research and Development Organization in India		20
V	Project Report and Viva Voce		20
Suggested Readings:			
Books and journals as recommended by the teacher.			

Doley

Program/Class: B.A./B.Sc. (Program/Class: M.A./M.Sc.)		Year: Forth (Year: First)	Semester: VII (Semester: I)
Subject: Defence and Strategic Studies			
Course Code: A120707P		Course Title: Paper Clipping and PowerPoint Presentation	
Course Objectives: To provide a brief knowledge about computer graphics, paper clipping, Project work and Paper Presentation.			
Core: Elective			
Total No. of Lectures - 60		Max. Marks: 50+50	
Unit	Topics		Marks
I	To Prepare Computer Graphics		100
II	Lecture/Power-Point Presentation on a Selected Topic		
III	Paper Clipping		
IV	Project Work		
V	Viva-Voce		
Suggested Readings: Books and journals as recommended by the teacher.			

Program/Class: B.A./B.Sc. (Program/Class: M.A./M.Sc.)		Year: Forth (Year: First)	Semester: VIII (Semester: II)
Subject: Defence and Strategic Studies			
Course Code: A120801T		Course Title: Politics and Security of Indian Ocean	
Course Objectives: 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.			
Core: Compulsory			
Total No. of Lectures - 60		Max. Marks: 25+75	
Unit	Topics		No. of Lectures
I	1. Indian Ocean region as a concept and reality. 2. Coastal states, hinterland states and islands: (i) The Political characteristics of the region (ii) Demographic survey (iii) The sub regions (iv) Naval bases in the Indian Ocean Area during the Cold War and after (v) Major Sea Routes in the region.		12
II	3. 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 4. Sub-regional Perspectives: (i) Persian Gulf (ii) Red Sea & Horn of Africa (iii) Eastern and Southern Africa		12

	(iv) South Asia (v) Australia and eastern Approaches	
III	5. Interests of External Powers: USA, Russia, China, Japan, Western Europe. 6. Future trends and prospects of security in the region. 7. Indian Ocean as a Zone of Peace	12
IV	8. Development of New marine technologies 9. Maritime Strategy of India 10. Prospects of Cooperation in the Indian Ocean Region	12
V	11. Concept of RIM and Indian Ocean 12. Impact of the Globalization on the region. 13. New Developments in the Indian Ocean Region	12

Suggested Readings:

1. "Freedom to use the Seas: India's Maritime Military Strategy", Integrated HQ, Ministry of Defence (Navy), New Delhi, 2007
2. Michael Mc Nicholas – "Maritime Security: An Introduction", Butterworth-Heinemann Publications, USA, 2008
3. Prabhakaran Paleri, "Role of the Coast Guard in the Maritime Security of India", (Second Edition), Knowledge World Publishers Pvt. Ltd. New Delhi, 2007
4. Singh, Jasjit – Institute for Defence Studies and Analyses, New Delhi, 1993
5. Singh, K. R. – "Maritime Security for India: New Challenges and Responses", New Century Publications, New Delhi, 2008

And other books and journals as recommended by the teacher.

Program/Class: B.A./B.Sc. (Program/Class: M.A./M.Sc.)		Year: Forth (Year: First)	Semester: VIII (Semester: II)
Subject: Defence and Strategic Studies			
Course Code: : A120802T		Course Title: Theories of Modern Guerilla Warfare	
Course Objectives: To provide a brief knowledge about the various concepts, theories and modus operandi of guerrilla warfare in the modern world.			
Core: Compulsory			
Total No. of Lectures - 60		Max. Marks: 25+75	
Unit	Topics		No. of Lectures
I	1. Ancient and Modern Concepts of Guerilla Warfare. 2. Operational definition of Guerilla Warfare. Principles of Guerilla and Counter-Guerilla Warfare.		12
II	3. Concept of Urban Guerillas Application of theories and practice of Guerilla and Counter Guerilla Warfare with reference to Che-Guevara. 4. Practice of Mao's theory of Peoples War in China. (i) Influence of Sun Tzu on Mao. (ii) The Long March as an extended Guerilla Warfare. (iii) The Red Army of China and Guerilla Warfare during the time of Mao. (iv) An evaluation of Mao as a Guerilla leader.		12
III	5. (a) Causes of the French defeat in the War of Indo-China with special reference to the battle of Dien Bien Phu. (b) Lessons learnt from the Guerilla and Counter-Warfare in Indo-China. (c) U.S. involvement in the war of Vietnam and an analysis of their Counter-		12

	Guerilla operations. (d) Role of General V. Nguyen Giap in the victory of Vietnamese struggle against French and American Forces. (e) Application of Ho Chi Minh and Mao Tse Tung's strategy and tactics in Indo- China conflict and Vietnam War. 6. (a) Causes of emergency in Malaya with reference to the rise of M.C.P. (b) Insurgency and counter Insurgency in Malaya during 1948-60. (c) Its lessons and post emergency developments. Resurgence of Armed Communism in West and East Malaysia. (d) Counter-Insurgency operations with reference to joint Indonesian-Malaysian and Malaysian operations.	
IV	7. (a) Rise of Communism in Indonesia. (b) Causes of the communist Guerilla Warfare. (c) An evaluation of Gen. A.H. Nasution's role in Counter-Guerilla operations and application of his theory. 8. Insurgency and Terrorism in South Asia.	12
V	9. An Evaluation of the existence, importance and future of Guerilla Warfare in the Nuclear Age. 10. Terrorism and Human Right Issues.	12

Suggested Readings:

1. Asprey, Robert – War in the Shadows
2. Buchan, A. – War in Modern Strategy
3. Cady, J. F. – History of Burma
4. Clutterbuck, Richard – Guerrilla and Terrorists
5. Debrey, Reg's – Che Guevera
6. Earle, E. M. – Makers of Modern Strategy
7. Fall, Bernard – Street Without Joy
8. George, M. – Nationalism and the Revolution in Indonesia
9. James, Danial – Che Guevera
10. Khan, H. – On Escalation
11. Lacquer, Walter – Guerrilla
12. Liddel Hart – Deterrence
13. Mao Tse-Tung – Guerrilla Warfare
14. Mark Franklin – Modern Guerilla Warfare
15. Mohanty, Monoranjan – Political Philosophy of Mao-Tse-Tung
16. Nasution, A. H – Fundamentals of Guerilla Warfare
17. Osanka, F. M. – Modern Guerilla Warfare
18. Palit, D. K. – Essentials of Guerilla Warfare
19. Shub, David – Lenin
20. Solvolosky – Soviet Military Strategy
21. Thomson, Robert – Defeating Communist Insurgency
22. Tzu, Sun – The Art of War
23. Wolf, Eric R. – Peasant Wars of the 20th Century

And other books and journals as recommended by the teacher.

Program/Class: B.A./B.Sc. (Program/Class: M.A./M.Sc.)		Year: Forth (Year: First)	Semester: VIII (Semester: II)
Subject: Defence and Strategic Studies			
Course Code: : A120803T		Course Title: International Law	
Course Objectives: To provide a brief knowledge about the various international laws, their applicability on nation.			
Core: Compulsory			
Total No. of Lectures - 60		Max. Marks: 25+75	
Unit	Topics		No. of

Deley

		Lectures
I	1. International Law: Definition and Nature, Sources, subject 2. Concept of State and its types, Recognition of State, Nationality. 3. Extradition and Asylum.	12
II	4. International Institutions with particular reference to the League of Nations and the United Nations Organization. 5. Collective Security under United Nations 6. Settlement of Disputes: Peaceful and Coercive methods	12
III	7. Restructuring of United Nations 8. War in General, Characteristics of war. The Belligerents. The Armed Forces of the Belligerents Enemy Character. Effect of Out Break of war 9. Laws of Land, Sea and Air Warfare	12
IV	10. Nuclear Biological & Chemical Warfare. 11. Legal Control of International Conflict. Attempts to Prohibit War (From Pact of Paris to the Charter of United Nations.) 12. Relation between Belligerents and Neutrals. Rights and Duties of Neutrals, Warlike preparation and operations, Violation of Neutrality.	12
V	13. Blockade: Conception, Establishment, breach and penalties for breach. The long distance blockade. 14. Contraband: Conception, Absolute and Conditional contraband. Direct, circuitous and indirect carriage of contraband penalties. 15. Modern developments and the Law of Neutrality.	12
Suggested Readings: 1. Brienly – The Law of Nations 2. Castren – Mordern International Law of War 3. Dhokalla, R. P. – International Law 4. Fenwick – International Law 5. Ian Brownlie – Principles of Public International Law 6. Julius Stone – Legal Controls of International Conflict 7. Kotzsch – The Concept of War in Contemporary History and International Law 8. Max Sorensen – Manual of Public International Law 9. Oppenheim – International Law, Vol. I & II 10. Oscar Svarlien – An Introduction to the Law of Nations 11. Starke, J. G. – International Law 12. Wright, Q. – Study of War, 2 Vols And other books and journals as recommended by the teacher.		

Program/Class: B.A./B.Sc. (Program/Class: M.A./M.Sc.)		Year: Forth (Year: First)	Semester: VIII (Semester: II)
Subject: Defence and Strategic Studies			
Course Code: A120804T		Course Title: Research Methodology	
Course Objectives: The objective of the course is to make students knowledgeable about the research process and to enable them to pursue research work competently.			
Core: Elective			
Total No. of Lectures - 60		Max. Marks: 25+75	
Unit	Topics		No. of Lectures
I	1. Meaning of Research		12

	2. Types of Research 3. Objectives of Research 4. Research Cycle	
II	5. Stages in Research Process 6. What is Research Problem and Questions 7. How to Locate a Research Problem 8. Kinds of Research Problem	12
III	9. What is Hypothesis 10. Types of Hypothesis 11. Sources of Hypothesis 12. Hypothesis and Theory	12
IV	13. Sources of Material 14. Review of Literature 15. Data Collection Techniques 16. Use of Statistical Methods	12
V	17. Analysis and Writing 18. References and Footnotes 19. Bibliography 20. Appendix	12

Suggested Readings:

1. Bell, J. E. – Projective Techniques, Longmans, 1948
2. Best, J. W. – Research in Education, Prentice Hall, 1978
3. Lindmias, D. – Statistical Analysis in Education Research, Oxford, 1968
4. Nachmias, D. – Research Methods in the Social Science, 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

And other books and journals as recommended by the teacher.

Program/Class: B.A./B.Sc. (Program/Class: M.A./M.Sc.)		Year: Forth (Year: First)	Semester: VIII (Semester: II)
Subject: Defence and Strategic Studies			
Course Code: A120805T		Course Title: Defence Journalism	
Course Objectives: To provide a brief knowledge to the students of Defence and Strategic Studies about the new field of journalism i.e. Defence Journalism.			
Core: Elective			
Total No. of Lectures - 60		Max. Marks: 25+75	
Unit	Topics		No. of Lectures
I	1. Introduction a. Journalism b. Defence Journalism – Concept, meaning and features. c. Differences between Civil Journalism & Defence journalism. d. Defence Journalism – As a Profession		12
II	2. Defence News a. Meaning and Defining Defence News b. Kinds of Sources of Defence News c. Defence Writing Procedure		12

III	3. Defence Reporting a. Format languages and grammar b. Forms – Eye witness, computer assigned features c. Concept of Graphics and Animation (Role of Modern Technology)	12
IV	4. Defence Terminology a. Defence terms & Abbreviations b. Military terms – Weapons, Weapons system c. Defence organization: – Rank and Rank structure in the services in India	12
V	5. Problem in Defence writing a. Media Ethics b. Media Laws c. Problem in Defence Writing – Political Pressure Official Secrecy – etc.	12

Suggested Readings:

1. Bell, J. E. – Projective Techniques, Longmans, 1948
2. Best, J. W. – Research in Education, Prentice Hall, 1978
3. Lindmias, D. – Statistical Analysis in Education Research, Oxford, 1968
4. Nachmias, D. – Research Methods in the Social Science, 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

And other books and journals as recommended by the teacher.

Program/Class: B.A./B.Sc. (Program/Class: M.A./M.Sc.)		Year: Forth (Year: First)	Semester: VIII (Semester: II)
Subject: Defence and Strategic Studies			
Course Code: A120806P		Course Title: Chart and Model	
Course Objectives: To enhance the knowledge and creativity of the students through making strategic charts and models.			
Core: Elective			
Total No. of Lectures - 60		Max. Marks: 25+75	
Unit	Topics		Marks
I	Disputed Land Areas with bordering States – Pakistan, China, Bangladesh and Nepal		20
II	Disputed Sea Area with Bordering States – Pakistan and Bangladesh		20
III	Conflict Zones of South Asia Indian Pakistan, China, Nepal, Bangladesh and Sri Lanka		20
IV	Field Wok/Educational Tour and Report		20
V	Viva-Voce		20
Suggested Readings:			
Books and journals as recommended by the teacher.			

Doley

Program/Class: B.A./B.Sc. (Program/Class: M.A./M.Sc.)		Year: Forth (Year: First)	Semester: VIII (Semester: II)
Subject: Defence and Strategic Studies			
Course Code: A120807P		Course Title: Field Visit: Report and Presentation	
Course Objectives: To enhance the knowledge about the various defence location and establishments in India.			
Core: Elective			
Total No. of Lectures - 60		Max. Marks: 25+75	
Unit	Topics		Marks
I	Field Visit: Report and Presentation		100
II	Viva-Voce		
Suggested Readings:			
Books and journals as recommended by the teacher.			

(M.A. /M.Sc. Final Year)
Post Graduate in Defence and Strategic Studies

Program/Class: M.A./M.Sc.		Year: Final	Semester: III
Subject: Defence and Strategic Studies			
Course Code: : A120901T		Course Title: National Security	
Course Objectives: To clarify the conceptual knowledge of various concepts and theories of national security.			
Credits: 5		Core: Compulsory	
Max. Marks: 25+75		Min. Passing Marks: 34	
Total No. of Lectures-Tutorials-Practical (in hours per week): L-T-P: 6-0-0 or 3-1-0 Etc			
Unit	Topics		No. of Lectures
I	1. Concept of National Security with reference to the contemporary thinking. 2. Comprehensive Security and Human Security 3. Defence, Foreign, Security and Domestic Policies; Concept. Formulation, objectives and linkages.		12
II	4. Military Alliances and Pacts, Peace Treaties, Defence Cooperation, Strategic Partnership and Security Dialogue. 5. Environmental Security: Relationship between Environmental degradation and Human Conflict, Environmental Hazards 6. Armaments: Arms Race, Arms Aid, Arms Trade and Small Arms Proliferation. 7. Problem of System of Governance and Human Rights.		12
III	8. Proliferation of Weapons of Mass Destruction (WMD) and NPT, CTBT, MTCR, NMD, and FMCT. 9. Military, Nuclear and Missile capabilities of China, Pakistan and India. 10. Military-Industrial Complex.		12
IV	11. End of Cold War and emergence of New World Order. New Trends after Sept.9/11, 2001. 12. Developments in Central Asian Republics. 13. Ethnic issues in Yugoslavia. 14. Crisis in Chechnya.		12
V	15. Confidence Building Measures: Concept, Kinds, Tools and		12

Deley

Implementation.	
16. Civil Defence	
17. Civil-Military Relations.	
18. India's Relation with USA, Russia, China, Pakistan, Israel, European Union, Central Asia.	
Suggested Readings:	
1. Adic, W.A.C. – Oil Politics and Sea: The Indian Ocean Ports 2. Agarwal, R.K. – Defence Production & Development 3. Anand, V.K. – Insurgency & Counter –Insurgency 4. Baipai, U.S. – Non-Alignment, Perspective and Prospective 5. Bajpai, S.C – Northern Frontier of India 6. Bandopadhyaya, J. – Making of India's Foreign Policy 7. Brines, R. – Indi-Pak Conflict 8. Chaudhary, J.N. – India's Problem of National Security in the 70s. 9. Frankel, J. – National Interests 10. Khera, S.S. – India's Defence Problem 11. Kohli, S.N. – Sea Power and the Indian Ocean 12. Kumar, M. – Theoretical Aspects of International Politics 13. Maxwell, N. – India's China War 14. Mishra, P.K. – Non-Alignment Frontier & Dynamics 15. Morgenthau, H.J. – Politics Among the Nations 16. Panikkar, K.M. – India and the India Ocean 17. Pannikar, K. M. – Problems of Indian Defence 18. Poulose, T.T. – Indian Ocean Rivalry 19. Prasad, B. – India's Foreign Policy 20. Rahman, M.W. – Politics of Non-Alignments 21. Rao, P.V.R. – Defence Without Drift 22. Rao, P.V.R. – India's Defence Policy and Organization Since Independence 23. Sahgal, J.R. – Un-Fought War of 1962 24. Singh, A. – India's Defence and Foreign Policy 25. Singh, K.R. – Indian Ocean 26. Singh, R. – Aspects of Indian Perspectives 27. Singh, S. – Defence of the Western Border 28. Subrahmanyam, K. – Defence and Development 29. Subrahmanyam, K. – India's Security Perspectives 30. Thomas, Raju – Defence of India 31. Venkateswaran, A.L. – Defence Organization in India	
And other books and journals as recommended by the teacher.	

Program/Class: M.A./M.Sc.		Year: Final	Semester: III
Subject: Defence and Strategic Studies			
Course Code: A120902T		Course Title: Strategic Thought	
Course Objectives: To clarify the conceptual knowledge of various strategic thoughts of modern warfare.			
Credits: 5		Core: Compulsory	
Max. Marks: 25+75		Min. Passing Marks: 34	
Total No. of Lectures-Tutorials-Practical (in hours per week): L-T-P: 6-0-0 or 3-1-0 Etc			
Unit	Topics		No. of Lectures
I	1. Manu	: On War, Elements of the Army, Military March, Tactics, Inter-State Relations and Diplomacy	12
	2. Kautilya	: On War, Types of War, Saptang Theory, Composition of the Army, Inter-State Relations and Diplomacy Art of War, Army, Battle Order, Fortresses,	

	3. Sukracharya	:	Diplomacy and Inter-State Relations	
II	4. Machiavelli 5. Clausewitz 6. Jomini	:	On War, War and Policy, Military Organization On War, War and Policy, Strategy and Tactics Mass Army Strategy, Line of Operation, Logistics	12
III	7. Engels and Marks 8. Lenin 9. Trotsky 10. Stalin	:	War and Insurrection War, War and Policy, Concept of Peace Theory of Permanent Revolution, Global Revolution, Military Policy The Theory of Socialism in one country united Front Strategy, Soviet Strategy I World War-II	12
IV	11. Fuller 12. Liddell Hart 13. Douhet, Mitchell and Seversky	:	Armored Warfare Armored Warfare The Theory of Air Power	12
V	14. Mackinder 15. Mao-Tse Tung 16. Concept and Theory of Deterrence	:	Heartland Theory Guerrilla Warfare Nuclear and Conventional	12

Suggested Readings:

1. Adhikari, S. – Modern Strategic Thought
2. Aspray, R. P. – War in the Shadow: The Guerrilla in History
3. Beaufre, A. – An Introduction to Strategy with particular reference to Problem of Defence, Politics, Economics and Diplomacy in Nuclear Age
4. Beaufre, A. – Strategy of Action
5. Brien, Bond. – Liddell Hart : A Study of his Military Through
6. Brodie, B. – A Guide to Naval Strategy
7. Brodie, B. – Strategy in Missile Age
8. Clausewitz, K. – On War
9. Dixon, C.A. and Heilburn, D. – Communist Guerrilla Warfare
10. Earle, E. M. – Makers of Modern Strategy
11. Peter Parett – Makers of Modern Strategy

And other books and journals as recommended by the teacher.

Program/Class: M.A./M.Sc.		Year: Final	Semester: III
Subject: Defence and Strategic Studies			
Course Code: A120903T		Course Title: Disarmament and Arms Control	
Course Objectives: To provide a brief knowledge about role of weapons of mass destructions in International Politics.			
Credits: 5		Core: Compulsory	
Max. Marks: 25+75		Min. Passing Marks: 34	
Total No. of Lectures-Tutorials-Practical (in hours per week): L-T-P: 6-0-0 or 3-1-0 Etc			
Unit	Topics		No. of Lectures
I	1. Role of Nuclear Weapons in International Politics 2. Concept and Nature of Disarmament 3. Theories of Disarmament 4. Arms Control : Agreements, Verification, Inspection, Control		12
II	5. History of Disarmament : League of Nations and United Nations 6. History of Arms Control : Theory and Practice 7. Unilateral, Bilateral and Multilateral Approaches		12
III	8. Treaties – (i) Under Disarmament – Partial Test Ban Treaty, Nuclear Non-Proliferation Treaty, Outer Space Treaty, Comprehensive Test		12

Daly

	Ban Treaty (ii) Under Arms Control – SALT-I & II, INF Treaty, START –I & II, Chemical and Biological Weapons	
IV	9. MTCR: Objectives, Challenges and Role of Great Powers 10. Nuclear Supplier Group: Objectives, Problems and Prospects 11. New Challenges to Reduce Nuclear Threat 12. Star Wars and National Missile Defence	12
V	13. National Policies in Disarmament and Arms Control: USA, Russia, China, India and Pakistan 14. Disarmament and Economic Development 15. Terrorism and Nuclear Proliferation 16. Non-State Actors and Nuclear Weapons	12
Suggested Readings: 1. Andre Beaufre – Deterrence and Strategy, London, 1965 2. Carnesale, A. – Living with Nuclear, Cambridge, Howard University Press, 1983 3. Dougherty, J. and Lehman, J.F. – Arms Control for Late 60s, Inc, Crane, Russels & Co. New York 4. Harkabi, Y. – Nuclear War and Nuclear Peace, Jerusalem 5. Jines, R.E. – Nuclear Deterrence: A Short Political Analyses, New York, 1968 6. Kahn, J.H. Security in the Nuclear Age Washington, 1975 7. Luard, E. – First Step to Development, London, 1965 8. Mearshelmer, J.J. – Conventional Deterrence, London, 1983 9. The United Nations, Disarmament Year Book, New York, 1994 10. Yefremov, A.Y. – Nuclear Disarmament, Moscow, 1979 And other books and journals as recommended by the teacher.		

Program/Class: M.A./M.Sc.		Year: Final	Semester: III
Subject: Defence and Strategic Studies			
Course Code: A120904T		Course Title: Geo-Politics and Military Geography	
Course Objectives: To provide a brief knowledge about role of geo-politics and military geography in International Politics.			
Credits: 5		Core: Elective	
Max. Marks: 25+75		Min. Passing Marks: 34	
Total No. of Lectures-Tutorials-Practical (in hours per week): L-T-P: 6-0-0 or 3-1-0 Etc			
Unit	Topics		No. of Lectures
I	1. Scope and Importance of geopolitics 2. Evolution of Geopolitical Thought since the 19th Century: (a) Organic Theory of State (b) Sea Power Theory, (c) land Power Theory, (d) Rim Land Theory, (e) German Geopolitics		12
II	3. Geopolitics during the Cold War Period: (a) Cold War relevance of Heartland Theory, (b) Four Dimensional Worlds 4. Geopolitics in the post cold war era. 5. Role of Geography in Military applications		12
III	6. Important and Scope of Logistics: (a) Resources, (b) Industries, (c) Supply Chain, (d) Transportation and Communication 7. Planning Process and Principles of Strategic Geography 8. Role of Geography in land Warfare		12
IV	9. Role of Geography in Sea Warfare 10. Role of Geography in Air Warfare 11. Weather conditions of Sea as factors in amphibious and airborne Operations.		12
V	12. Military Geography of India and Defence Problems: (a) India's boundaries, terrain in border areas, weather and communication, (b)		12

	Population in border areas and its implications to border security 13. Remote Sensing: Role of Remote Sensing in Development and National Security.	
Suggested Readings:		
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		
Books and journals as recommended by the teacher.		

Program/Class: M.A./M.Sc.		Year: Final	Semester: III
Subject: Defence and Strategic Studies			
Course Code: A120905T		Course Title: Conflict and Media	
Course Objectives: To provide a brief understanding about role of media in conflict management.			
Credits: 5		Core: Elective	
Max. Marks: 25+75		Min. Passing Marks: 34	
Total No. of Lectures-Tutorials-Practical (in hours per week): L-T-P: 6-0-0 or 3-1-0 Etc			
Unit	Topics		No. of Lectures
I	1. Conflict: Concept, Meaning and Definitions, 2. Media: Concept, Meaning and Definitions		12
II	3. Inter Relation between Conflict and Media 4. Role of Media in International Conflict		12
III	5. Information Age and Changing Dimensions of Conflict 6. Increasing Impact of Media o Society and States		12
IV	7. National Security and Role of Media 8. Role of Media in India: Size, Characteristics and Impact		12
V	9. Terrorism and Media 10. Media Ethics and Laws Regarding Conflict		12
Suggested Readings:			
1. Andrew Hoskins – War and Media 2. Daya Kishan Thassu – War and the Media Conflict 24/7 3. Des Freedman and Daya Kishan – Media and Terrorism 4. Eytan Gilboa – Media and Conflict: Framing Issues, Making Policy, Shaping Opinion 5. Miles Hudson and John Stanie – War and the Media 6. Paul M. Haridakis – War and the Media 7. Susan Caruthers – The Media at War: Communication and Conflict in the Twentieth Century 8. Tim Allen and Jean Seaton – The Media of Conflict: war Reporting and Representations of Ethics Violence			
Books and journals as recommended by the teacher.			

Program/Class: M.A./M.Sc.		Year: Final	Semester: III
Subject: Defence and Strategic Studies			
Course Code: A120906P		Course Title: Paper Clipping and PowerPoint Presentation	
Course Objectives: To provide a brief knowledge about computer graphics, paper clipping, Project work and Paper Presentation.			
Credits: 4		Core: Elective	
Max. Marks: 50+50		Min. Passing Marks: 34	
Total No. of Lectures-Tutorials-Practical (in hours per week): L-T-P: 6-0-0 or 3-1-0 Etc			
Unit	Topics		Marks
I	To Prepare Computer Graphics		100
II	Lecture/Power-Point Presentation on a Selected Topic		
III	Paper Clipping		
IV	Project Work		
V	Viva-Voce		
Suggested Readings:			
Books and journals as recommended by the teacher.			

Program/Class: M.A./M.Sc.		Year: Final	Semester: III
Subject: Defence and Strategic Studies			
Course Code: A120907P		Course Title: Field Visit: Report and Presentation	
Course Objectives:			
Credits: 5		Core: Elective	
Max. Marks: 50+50		Min. Passing Marks: 34	
Total No. of Lectures-Tutorials-Practical (in hours per week): L-T-P: 6-0-0 or 3-1-0 Etc			
Unit	Topics		Marks
I	Field Visit: Report and Presentation		100
II	Viva-Voce		
Suggested Readings:			
Books and journals as recommended by the teacher.			

Program/Class: M.A./M.Sc.	Year: Final	Semester: IV
Subject: Defence and Strategic Studies		
Course Code: A121001T	Course Title: India's Defence Policy and Organization	
Course Objectives: To provide a brief knowledge about India's Defence Policy and its various Defence Organisations, its structure, functioning and preparedness.		
Credits: 5	Core: Compulsory	
Max. Marks: 25+75	Min. Passing Marks: 34	
Total No. of Lectures-Tutorials-Practical (in hours per week): L-T-P: 6-0-0 or 3-1-0 Etc		

Unit	Topics	No. of Lectures
I	1. India's Defence Policy during British Period. 2. Partition of Indian Armed Forces 3. Reconstruction of Indian Armed forces after 1947. 4. Defence Policy of India: 1947-1971. 5. Defence Policy of India: 1971 onwards	12
II	6. India-China boundary disputes and India-China Relations 7. India-Pakistan Relations in the light of disputes exist between them 8. Higher Defence Organization in India. a) Powers of the President in relation to the Armed forces. b) Parliament and Armed forces. c) Defence committee of the cabinet. d) Ministry of Defence. e) National Security Council	12
III	9. Second line of Defence / Para Military Forces 10. India's Nuclear and Missile programme 11. Structure of Indian Armed Forces: Army, Navy, Air force. 12. Modernization of Indian Armed Forces and overall defence preparedness	12
IV	13. Civil-Military Relations 14. Research & Development and Defence Production 15. India's Overall Security Perspectives and Defence Preparedness.	12
V	16. Internal Threats to India's Security: Socio, Economic, political, Science & Technological, Military and allied aspects. 17. Security problems in the North Eastern region of India 18. Counter Terrorist Strategy of India	12
Suggested Readings: 1. Rao, P.V.R. – Defence without Drift 2. Rao, P.V.R. – India Defence Policy and Organization Since Independence 3. Saigal, J.R. – Un-fought War of 1962 4. Shah, A. – India's Defence and Foreign Policy 5. Singh, R. Aspects of Indian Defence 6. Singh, S – Defence of the Western Border 7. Subramanyam, K. – India's Security Perspective 8. Venkateswar, A.L. – Defence Organization in India And other books and journals as recommended by the teacher.		

Program/Class: M.A./M.Sc.		Year: Final	Semester: IV
Subject: Defence and Strategic Studies			
Course Code: A121002T		Course Title: Science and Technology and National Security	
Course Objectives: Students of Social Science are also introduced to change in Science & Technology that have taken place since Industrial Revolution and the Impact that these changes have on approaches to National Security. This course also focuses on some of the emerging technologies like Electronics, Computers, Material Science, Bio-technology, etc. The purpose is to introduce the students to these different dimensions of Technology.			
Credits: 5		Core: Compulsory	
Max. Marks: 25+75		Min. Passing Marks: 34	
Total No. of Lectures-Tutorials-Practical (in hours per week): L-T-P: 6-0-0 or 3-1-0 Etc			
Unit	Topics		No. of Lectures
I	1. The Age of Gun Powder and the beginning of Modern Warfare up to Napoleon era:-		12

	a) Small Arms; b) Artillery c) Naval Weapons d) Strategy & Tactics on Land & Sea e) Strategy & Tactic on Land & Sea during Napoleon Era f) Evolution of Air Power 2. Impact of S & T before World War I a) Emergence of Professional Army & military theory b) Weapons and Tactics on Land c) Weapons and Tactics on Sea d) Introduction of Aerial Weapons and concepts of Air Power	
II	3. World War I and The era of Total Wars a) Weapons, doctrines and Tactics on Land b) Revolution in Arms & Technical Advances in Land Warfare c) Weapons & Tactics in Sea Warfare d) Weapons & Tactics in Air Warfare – the concept of Flights Triumph e) Technological development between the World Wars – I and II in Land, Sea and Air 4. World War II and the dawn of Nuclear Era. a) Introduction of Hi-Tech weapons-Missiles, Submarines etc., b) The Birth of Nuclear Weapons & Nuclear Doctrines c) Revolution in Delivery systems – introduction to various kinds of Missiles-ICBM, SLBM etc	12
III	5. Revolution in Military Affairs and its impact on weapons and warfare a) Emergence of New Technologies b) Revolution in Small Arms in Low Intensity Conflicts c) Emergence of Improvised Explosive Devices (IED) & its impact on LIC 6. Electronic Warfare and its Impact. 7. Information Warfare	12
IV	8. Chemical & Biological Weapons 9. Nuclear Weapons and Missile technology 10. Emerging New technologies in Air force & Navy	12
V	11. New Conventional Weapons: Precision Guidance, Accuracy, Throw weight, Command and Control and Communications 12. Transfer of Technology 13. Structure of Interdependence 14. Automation of Weapon System and its Impact of Strategy	12

Suggested Readings:

1. Anand, A. – Information Technology: The Future Warfare Weapons, Ocean Books, New Delhi
2. Arcangelis, A. – Electronics Warfare, Ratna, New Delhi
3. Baranson, Jack – Technology and the Multinationals, Lexington Books, Lexington
4. Deva, Yashvant – Dual-Use of Information Technology: An Indo Centric Perspective, IDSA, New Delhi
5. Hard, David – Nuclear Power in India, George Allen, London
6. Jayant Baranwal – S.Ps. Military Year Book, Guide Publishers, New Delhi
7. John, Erickson – The Military Technical Revolution: Its Impact on Strategy and Foreign Policy: New York
8. Khana, S.K. – India: A Nuclear Power, Commonwealth Publishers, New Delhi
9. Lal, A.K. – Space Warfare and Military Strategy: An Indian Perspective, USI, New Delhi
10. Rajan, Y.S. – Empowering India Strengths for the 21st Century, Har Anand, New Delhi
11. Rehman, A. – Science Technology and Society, Peoples Publishing House, New Delhi
12. Sen, S.K. – Military Technology and Defence Industrialization, Manas Publications, New Delhi
13. Siddhartha, K. – Oceanography: A Brief Introduction, 3rd Edition, Kisalaya Publishers, New Delhi
14. Tee Marek – Military Technology, Military Strategy and Arms Race, Groom Helm, London

15. Tellis A. – India's Emerging Nuclear Posture: Oxford University Press, London
 16. Tiwari, R. – The High-Tech War of Twentieth Century, Vikas Publishing House, New Delhi
 And other books and journals as recommended by the teacher.

Program/Class: M.A./M.Sc.		Year: Final	Semester: IV
Subject: Defence and Strategic Studies			
Course Code: A121003T		Course Title: South Asia: Conflict and Cooperation	
Course Objectives: To provide a brief knowledge about Internal Problems, Conflicts, Geo-Politics and Power Rivalry in South Asian Region.			
Credits: 5		Core: Elective	
Max. Marks: 25+75		Min. Passing Marks: 34	
Total No. of Lectures-Tutorials-Practical (in hours per week): L-T-P: 6-0-0 or 3-1-0 Etc			
Unit	Topics		No. of Lectures
I	1. Geo-Political setting of South Asia. 2. Social & Cultural Structure of South Asia (Diversity of Race. Language & Religion). 3. Economic & Human resources of South Asia.		12
II	4. Governance of Modern South Asia. 5. Power Rivalries in South Asia: USA, USSR, U.K, and China during Cold War Era. 6. Indo-Sri Lankan Relations.		12
III	7. Internal Problems & Conflicts in South Asian Region India Pakistan Sri Lanka, Bangladesh, Nepal, Bhutan & Maldives. 8. Afghanistan, Myanmar & China Strategic importance for South Asia. 9. Regional Cooperation in South Asia under the Aegis of SAARC.		12
IV	10. Intra-Regional Trade & Balance of Payment. 11. Prospects of Sub-Regional Cooperation 12. Problem of Refugees Causes of Migration and population in Border & Border Security.		12
V	13. Role of Pressure Groups (Religion Language, Caste Tribal Groups, Women, Youth, Media) in National Integration. 14. Pattern of Civil-Military Relations		12
Suggested Readings:			
1. Asshley, J. – Stability in South Asia, Rand Corporation United States, 1997 2. Carranza, M. E. – South Asian Security and International Nuclear Order: Creating a Robust Indo-Pakistani Nuclear Arms Control Regime, Assagate Publishing, Ltd. 3. Ghosh, P.S. – Cooperation and Conflict in South Asia, Technical Publications, 1989 4. Problems of Governance in South Asia, Centre for Policy Research, Konark Publishers New Delhi, 2000 5. The Geopolitics of South Asia: From Early Empires to the Nuclear Age Grahan Chapman, Ashgate Publishing Ltd. 2003			
And other books and journals as recommended by the teacher.			

Program/Class: M.A./M.Sc.	Year: Final	Semester: IV
Subject: Defence and Strategic Studies		
Course Code: A121004T	Course Title: Peace and Conflict Studies	
Course Objectives: The course of Peace and Conflict Studies introduces the students to the various nature and forms of conflict, approaches to conflict management and conflict resolution and also a understanding of some of the new		

approaches like comprehensive security and human security.

Credits: 5		Core: Elective
Max. Marks: 25+75		Min. Passing Marks: 34
Total No. of Lectures-Tutorials-Practical (in hours per week): L-T-P: 6-0-0 or 3-1-0 Etc		
Unit	Topics	No. of Lectures
I	1. Peace and Conflict Studies: Nature and Scope 2. Conceptual analysis of Conflict and Peace	12
II	3. Origin, Nature, Forms and structure of Conflict at inter and intra-state levels 4. Conflict Management and Conflict Resolution 5. Theories of Conflict Resolution.	12
III	6. Techniques of Conflict Resolution 7. Role of NGO and IGO in Conflict Resolutions. 8. UN System: Peace Keeping, Peace Making and Adjudication	12
IV	9. Identification of Zones of Potential Conflicts and their Management 10. Regional Conflicts and Role of United Nations 11. Functional Approaches and Regionalism	12
V	12. Use of Non-Violence in National Identity and Policy - Gandhian Approach and its relevance today 13. Comprehensive Security and Human Security 14. Role of International Monetary	12

Suggested Readings:

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

Books and journals as recommended by the teacher.

Program/Class: M.A./M.Sc.	Year: Final	Semester: IV
Subject: Defence and Strategic Studies		
Course Code: A121005P	Course Title: Dissertation	
Course Objectives:		
Credits: 10	Core Compulsory	
Max. Marks: 50+50	Min. Passing Marks: 34	
Total No. of Lectures-Tutorials-Practical (in hours per week): L-T-P: 6-0-0 or 3-1-0 Etc		

Daly

Unit	Topics	Marks
I	Students are advised to select their topic in consultation with their guide. The dissertation is a longish research essay of publishable quality (of 30 to 40 pages/approx. 10,000 words.) Format of submission: a. Students are required to submit TWO copies of the dissertation, dully typed and bound. b. Use A4 size paper and use Times New Roman script with 12 font size and 1.5 spacing for lines.	100
II	Viva-Voce	
Suggested Readings: Books and journals as recommended by the teacher.		

Endley