

जननायक चन्द्रशेखर विश्वविद्यालय



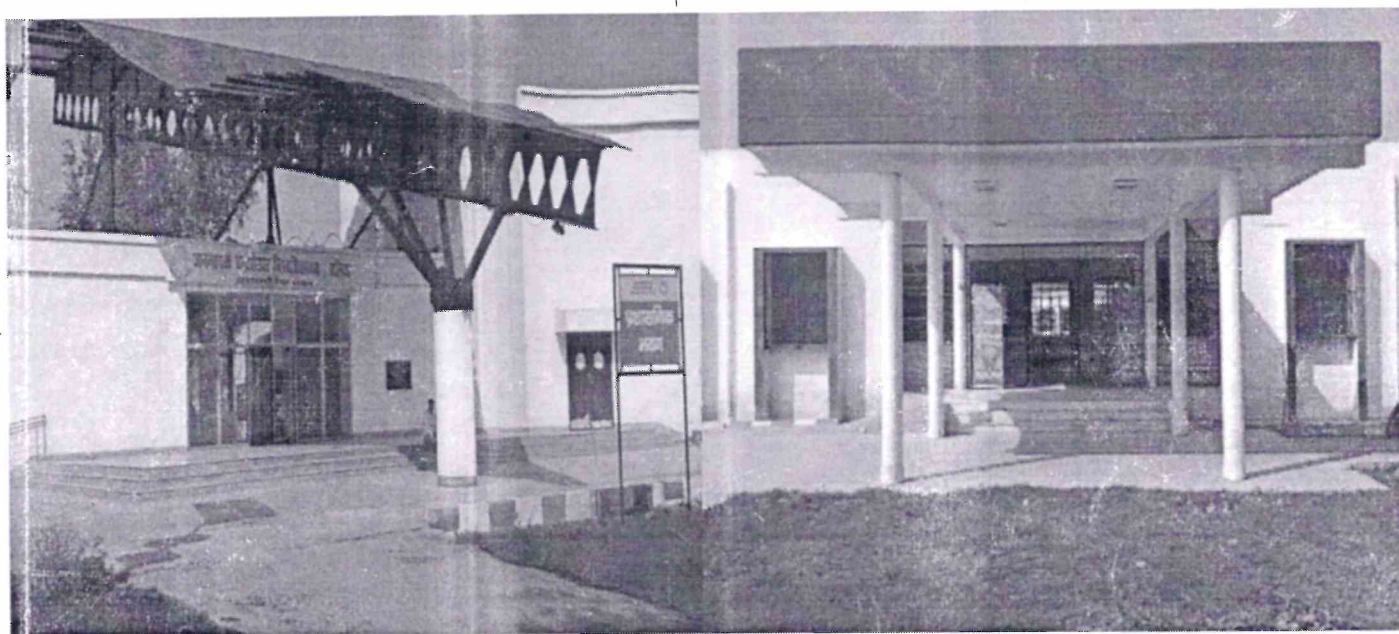
**JANANAYAK CHANDRASHEKHAR UNIVERSITY, BALLIA**

(A State University established under the Uttar Pradesh University Act 1973)

## **Curriculum in Accordance with National Education Policy – 2020**

**Programme Name: B.A./B.Sc.**

**Subject: DEFENCE AND STRATEGIC STUDIES**



**Department of DEFENCE AND STRATEGIC STUDIES**

**Jananayak Chandrashekhar University, Ballia**

*Shaheed Smarak, Near Surha Taal, Basantpur, Ballia – 277301, Uttar Pradesh, India*

Structure for Four Years Undergraduate Programme in accordance with National Education Policy-2020 and Common Minimum Syllabus

### DEFENCE AND STRATEGIC STUDIES

#### Semester-wise Title of the Papers

Year	Sem	Course Code	Paper Title	Theory/ Practical	Credits	Total Credit
1st	I	A120101T	Conceptual Aspect of war	Theory	4	6
		A120102P	Basics of Operational Exercises-I	Practical	2	
	II	A120201T	Military History of India	Theory	4	6
		A120202P	Basics of Operational Exercises-II	Practical	2	
2nd	III	A120301T	National Security-Conceptual Aspects	Theory	4	6
		A120302P	Basics of Operational Exercises-III	Practical	2	
	IV	A120401T	Strategic Thought	Theory	4	6
		A120402P	Basics of TEWTs/Sand Model Exercises, Sketching, Discussion	Practical	2	
3rd	V	A120501T	Indian Defence Mechanism	Theory	4	10
		A120502T	National Security of India	Theory	4	
		A130503P	Military use of Electromagnetic Spectrum, Press Clipping, Tour	Practical	2	
	VI	A130601T	Science and Technology in Relation to Warfare	Theory	4	10
		A130602T	Military Psychology	Theory	4	
		A130603P	Spotting Strategic Locations, Military Models, Presentation	Practical	2	
4th	VII	A130701T	Evolution and Development of Indian Art of War	Theory	4	20
		A130702T	Conceptual Aspects of National Security	Theory	4	
		A130703T	Evolution of Strategic Thoughts	Theory	4	
		A130704T	Concept of War and Peace	Theory	4	
		A130705P	Practical	Practical	4	
	VIII	A130801T	Insurgency and Counter Insurgency	Theory	4	20
		A130802T	disarmament, Arms Control and Proliferation of WMD	Theory	4	
		A130803T	Strategic Dimensions of Sino-India & Indo-Pak Relations	Theory	4	
		A130804T	Evolution and Development of Western Art of War	Theory	4	
		A130805P	Practical	Practical	4	

Note :-

- स्नातक के 5वें सेमेस्टर में प्रत्येक विद्यार्थी को उसके द्वारा चुने गये दो विषयों में से किसी एक विषय (सम्बन्धित विषय के शिक्षकों के दिशा-निर्देशन) में माइनर रिसर्च प्रोजेक्ट (एमआरपी) के लिए एक शीर्षक का चयन करना होगा, जिसे वह पूर्ण करके 6वें सेमेस्टर में मूल्यांकन के लिए जमा करेगा।
- In the 5th semester of graduation, every student will have to select a title for Minor Research Project (MRP) in any one of the two subjects chosen by him (under the guidance of the teachers of the concerned subject), which he will complete in the 6th semester. Will submit for evaluation in the semester.
- स्नातक के 7वें सेमेस्टर में प्रत्येक विद्यार्थी को उसके द्वारा चुने गये विषय (सम्बन्धित विषय के शिक्षकों के दिशा-निर्देशन) में रिसर्च प्रोजेक्ट (आरपी) के लिए एक शीर्षक का चयन करना होगा जिसे वह 8वें सेमेस्टर में पूर्ण कर मूल्यांकन हेतु जमा करेगा।
- In the 7th semester of graduation, every student will have to select a title for Research Project (RP) in the subject chosen by him (under the guidance of the teachers of the concerned subject), which he will complete in the 8th semester and submit it for evaluation.









Program: B.A./B.Sc.

Subject: Defence and Strategic Studies

### Syllabus

Year	B.A. I	Semester I
Course Code	A120101T	
Course Title	<b>Conceptual Aspects of War (Theory)</b>	
Credit	4	Maximum Marks 25+50
<b>Course Objective</b> <ul style="list-style-type: none"> <li>To understand the basics of the discipline</li> <li>To study the multi-dimensional approach of War</li> <li>To understand the typologies of War</li> <li>Understanding War with multiple dimensions</li> <li>Studying the basics of weapons of mass destruction.</li> </ul>		
<b>Learning Outcomes:</b> After successful completion of the syllabus, learners will be able to: <ul style="list-style-type: none"> <li>Understand the definition and meaning of war</li> <li>Distinguish basic concepts of war</li> <li>Modus operandi on Guerilla war</li> <li>Characteristics of Nuclear War</li> <li>Basics of Chemical and Biological War</li> </ul>		
<b>Unit</b>	<b>Course Contents</b>	
I	1. Conceptual Formulation <ol style="list-style-type: none"> <li>Meaning and definition of Defence and Strategic Studies- Its relevance, significance, and relationship with other disciplines of study.</li> <li>War- Definition and meaning and basic concepts. Understanding various causes of war.</li> </ol> 2. Principles of War 3. War as an instrument of policy: Past, Present, and Future.	
II	4. Modern Warfare <ol style="list-style-type: none"> <li>Concept and definition</li> <li>Features of Modern Warfare</li> </ol> 5. Guerrilla Warfare <ol style="list-style-type: none"> <li>Origin and concept</li> <li>Principles, techniques, and characteristics of guerrilla warfare. Counter guerrilla measures.</li> </ol>	
III	6. Economic Warfare	

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	<ul style="list-style-type: none"> <li>a. Concept and definition</li> <li>b. Basic dimensions</li> <li>c. Effects of War on the National Economy</li> </ul>
IV	<ul style="list-style-type: none"> <li>7. Nuclear Warfare               <ul style="list-style-type: none"> <li>a. Beginning of nuclear era and effects of nuclear explosions.</li> <li>b. Nuclear strategies of 'Deterrence' and 'Massive Retaliation'.</li> </ul> </li> <li>8. Chemical and Biological Warfare               <ul style="list-style-type: none"> <li>a. Definition and concept</li> <li>b. Agents, their effect, and military use.</li> </ul> </li> </ul>
<p>References:</p> <ol style="list-style-type: none"> <li>1. Andreski S., (1968) Military Organization and Society, Univ. California Press, Berkeley</li> <li>2. Anthony James Joes, (1996) Guerilla Conflict before the Cold War, Praeger Publishers.</li> <li>3. Aron R., (1966) Peace and War: A Theory of International Relations, Praeger, New York.</li> <li>4. Barringer R., (1972) War: Patterns of Conflict, MIT Press, Cambridge, Mass.</li> <li>5. Blainey G., (1973) The Causes of War, Macmillan, London.</li> <li>6. Montgomery Viscount, (1983) A History of Warfare, William Morrow &amp; Co, New York City.</li> <li>7. Mukherji and Shyam Lal, (1952) A Textbook Military Science, Vol. II, Navayuga, New Delhi.</li> <li>8. Osanka, F.M., (1962) Modern Guerilla Warfare, Free Press of Glencoe, New York.</li> <li>9. Sidhu, K.S., (1988) War and its Principles, Atlantic, New Delhi.</li> <li>10. Tripathi, K.S., (1970) Evolution of Nuclear Strategies, Vikas, New Delhi.</li> <li>11. Wright, Quincy, (1942) Study of War, University of Chicago Press.</li> <li>12. सिंह, टंडन, अग्रवाल (2012), युद्ध और शांति का अध्ययन, शारदा पुस्तक भवन, □</li> <li>13. पाण्डेय, बाबुराम, पाण्डेय, रामसूरत, (2005), युद्ध और शांति के मूल तत्त्व, प्रकाश बुक डिपो, बरेली</li> <li>14. Research journals of Observer Research Foundation and IDSA</li> </ol>	

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Program: B.A./B.Sc.

Subject: Defence and Strategic Studies

### Syllabus

Year	B.A. I	Semester I
Course Code	A120102P	
Course Title	Basics of Operational Exercises- I	
Credit	2	Maximum Marks 25
Course Objective		
Learning Outcomes:		
Unit	Course Contents	
I	1. Maps: Definition and Features; Classification and its utility for Military; Enlargement and Reduction of Maps. 2. Conventional Signs: Military and Geographical	
II	3. GRID System: Four-Figure and Six-figure Map References.	
III	4. North: Types of North and finding out True North; The Pole Star Method; The equal altitude method; Watch method & Compass method.	
IV	5. Scale: Definition, Method of representing Fraction, construction of simple scale line and the comparative scale lines.	
References:		

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Program: B.A./B.Sc.

Subject: Defence and Strategic Studies

### Syllabus

Year	B.A. I	Semester II
Course Code	A120201T	
Course Title	<b>Military History of India (Theory)</b>	
Credit	4	Maximum Marks 25+50
<b>Course Objective:</b> <ul style="list-style-type: none"> <li>Designed to understand the evolution of warfare fought on the Indian Subcontinent.</li> <li>To understand the various phases of the Indian pattern of warfare</li> <li>To study various battles and its impact on warfare</li> <li>To understand the modus operandi of East India Company</li> <li>To understand the evolution of the Modern Indian Army.</li> </ul>		
<b>Learning Outcomes:</b> After successful completion of the syllabus, learners will be able to: <ul style="list-style-type: none"> <li>Become familiar with the evolution of the art of warfare in India</li> <li>Learn and understand the strategy, tactics, and application of principles of war</li> <li>Cause of defeat and victory of various Indian, Mughal, Maratha, and Sikh Generals.</li> <li>Besides, in a position to appreciate and understand evolutionary changes in the art and science of war in India through the Ages.</li> </ul>		
<b>Unit</b>	<b>Course Contents</b>	
I	1. Military System in Vedic and Epic Age 2. Macedonian and Indian art of war with particular reference to the battle of Hydaspes (326 B.C.) 3. Maurya Military System	
II	4. Turk and Rajput Military System with particular reference to the Battle of Tarain (1192 AD) 5. The Mughal Military with particular reference to the First Battle of Panipat (1526 AD)	
III	6. The Maratha Military System with special reference to the third Battle of Panipat (1761 AD) 7. Sikh Military System with special reference to the Battle of Sobraon (10 February 1846 AD)	
IV	8. India's First War of Independence (1857) 9. Military System of East India Company with special reference to Battle of Plassey (1757 AD)	



References:

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 Arthashastra, 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.
13. Roy, Kaushik Ed., (2011), The Indian Army in the Two World Wars Brill.
14. Singh, Sarva Daman. (1997) Ancient Indian Warfare: With Special Reference to the Vedic Period. Motilal Banarsidass, New Delhi.
15. डेविड, मेजर अल्फ्रेड; (1972), भारतीय युद्ध कला, अनुवाद एस. डी. चोपड़ा, मध्य प्रदेश हिंदी ग्रन्थ अकादमी, भोपाल.
16. सिंह, टंडन, अग्रवाल; (2009), भारतीय युद्ध कला, शारदा पुस्तक भवन, इलाहाबाद

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Program: B.A./B.Sc.

Subject: Defence and Strategic Studies

### Syllabus

Year	B.A. I	Semester II
Course Code	A120202P	
Course Title	Basics of Operational Exercises II	
Credit	2	Maximum Marks 25
Course Objective		
Learning Outcomes:		
Unit	Course Contents	
I	1. Bearing: Definition, Inter Conversion of Bearing in detail.	
II	2. Liquid Prismatic Compass (LPC): Features and functions of its various parts: Attempt the following exercise on the LPC: To determine magnetic north; Setting of the Map.	
III	3. To find out the bearing of a point from another point situated on the ground.	
IV	4. To determine one's and enemy's position on the map by resection and intersection methods with the help of compass.	
References:		





Program: B.A./B.Sc.

Subject: Defence and Strategic Studies

### Syllabus

Year	B.A. II	Semester III
Course Code	A120301T	
Course Title	National Security- Conceptual Aspects (Theory)	
Credit	4	Maximum Marks 25+50
<b>Course Objective:</b> <ul style="list-style-type: none"> <li>To understand the core concept of National Security</li> <li>To study threat perception</li> <li>To know the elements of Defence planning and related aspects</li> <li>To understand that how defence policy is formulated</li> <li>Approach towards National Security</li> </ul>		
<b>Learning Outcomes:</b> After successful completion of the syllabus, learners will be able to: <ul style="list-style-type: none"> <li>develop core competencies in national security affairs</li> <li>building his/her capacity on the essentials of National Security through theory and practice.</li> <li>Understand the basics of policy formulation</li> </ul>		
<b>Unit</b>	<b>Course Contents</b>	
I	1. National Security Analysis Concept, Components and formulation of Security and Defence Policies and their linkages 2. Origin, Concept, and objectives of National Security and National Interest	
II	3. National and International Security related Concepts. 4. Balance of Power, Collective Security, Non-Alignment.	
III	5. Concept of Defence: Threat Perception, Defence Planning and Reforms, Military, Nuclear and Missile Capabilities of India, China and Pakistan.	
IV	6. Disarmament and Arms Control 7. Armaments: Arms Race, Arms Aid, Arms Trade and Small Arms Proliferation 8. Measures to address the challenges of national security A. One-sided initiative and B. Collaborative Approach	

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References:

- 1..Booth,K.,(2007)TheoryofWorldSecurity:CambridgeUniversityPress,Cambridge,
- 2.Buzan,Barry.,(1987)PeopleFear andState: NewDelhi, TransAsiaPublications.
- 3.Das, S.T., (1987) National Security in Perspective: Delhi, Gian Publishing House.
- 4.Frankel,Joseph.,(1970) NationalInterest:London, Macmillan.
- 5.MilitaryBalance.,LatestEdition(IISS)
- 6.Morgenthau,HansJ.,(1969)PoliticsAmongNations,Calcutta,ScientificBookAgency.
- 7.Palmer,NormanD.andPerkins,HowardC.,(1968)InternationalRelations:Calcutta,ScientificBookAgency
8. Chowdhury,SubrataRoy.,(1966)MilitaryAlliancesandNeutralityinWarandPeace:NewDelhi,OrientLongman.
9. Singh,Nagendra.,(1974)TheDefenceMechanismandtheModernState:NewDelhi,AsiaPublishing House.
10. SIPRIYearBookLatest Edition.
11. सिंह, लल्लन जी., (2003) राष्ट्रीय सुरक्षा और सुरक्षा, प्रकाश बुक डिपो, बरेली
12. कुमार, महेंद्र.,(2005) अन्तराष्ट्रीय राजनीति के सैधांतिक पक्ष, शिवलाल अग्रवाल एंड कंपनी, □

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Program: B.A./B.Sc.

Subject: Defence and Strategic Studies

### Syllabus

Year	B.A. II		Semester III
Course Code	A120302P		
Course Title	Basics of Operational Exercises- III		
Credit	2	Maximum Marks	25
Course Objective			
Learning Outcomes:			
Unit	Course Contents		
I	1. Relief Features and their representation on the map.		
II	2. Types of slopes and their representation on the map		
III	3. Gradient- Determinant of gradients.		
IV	4. Inter visibility- Determinants of inter visibility in case of rise or fall of slope.		
References:			

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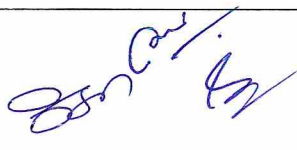





Program: B.A./B.Sc.

Subject: Defence and Strategic Studies

### Syllabus

Year	B.A. II	Semester IV
Course Code	A120401T	
Course Title	Strategic Thought (Theory)	
Credit	4	Maximum Marks 25+50
<b>Course Objective :</b> <ul style="list-style-type: none"> <li>To understand the concept of various strategic thinkers.</li> <li>Chronological study that how strategic thought emerges</li> <li>Present relevance of the thoughts</li> <li>To learn the evolution of statecraft</li> <li>Emotional and scientific approach to warfare</li> </ul>		
<b>Learning Outcomes:</b> After successful completion of the syllabus, learners will be able to: <ul style="list-style-type: none"> <li>Acquittance with the concepts of strategic thinking</li> <li>Analyse prominent classical and modern thinkers</li> <li>Study the relevance of strategic thoughts</li> <li>To understand war and peace</li> <li>Geopolitical aspect of strategy</li> </ul>		
<b>Unit</b>	<b>Course Contents</b>	
I	1. Kautilya's Philosophy of war 2. Sun Tzu- The Art of War 3. Mao-Tse-Tung - Revolutionary war	
II	4. Machiavelli – State and War 5. Clausewitz's theories on War and Politics 6. Jomini's Scientific approach of warfare	
III	7. Mahan's view on Sea Power and Naval Warfare 8. J.F.C. Fuller and Liddell Hart: Their views on Mechanized warfare 9. Douhet and Mitchell: Their views on the role of Air Power in modern warfare	
IV	10. Y. Harkabi, John Foster Dulles and Andre Beaufre- Theories of Nuclear War and Deterrence 11. Thoughts of Mahatma Gandhi and Nehru on Peace, Security and Development	



References:

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, Brian Holden., (1987) J.F.C. Fuller: Military Thinker, Palgrave Macmillan.
13. Greene, T.N., (1962) The Guerrilla and How to Fight Him, Fredrick A Prager.

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Program: B.A./B.Sc.

Subject: Defence and Strategic Studies

### Syllabus

Year	B.A. II		Semester IV
Course Code	A120402P		
Course Title	Basics of TEWTs/ Sand Model Exercises, Sketching, Discussion		
Credit	2	Maximum Marks	25
Course Objective			
Learning Outcomes:			
Unit	Course Contents		
I	<b>1. Elementary knowledge of –</b> a. Field Craft b. Study and description of ground c. Judging distance d. Section formation & Platoon Formation e. Patrolling Or <b>2. Sand Model Exercises</b> a. Battle of Hydaspes, 326 BC b. Battle of Panipat, 1526 AD		
II	<b>3. Sketching of the Charts of Indian Battles</b> a. Battle of Thagla Ridge, 1962. b. Kargil conflict, 1999		
III	<b>4. Sketching of the Charts of Western Battles</b> a. Battle of Trafalgar, 1805. b. Battle of Somme, 1916		
IV	<b>5. Lecture and group discussion on current defence topics.</b>		
References:			

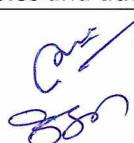
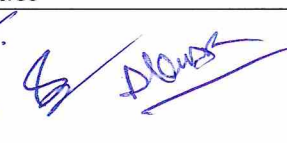
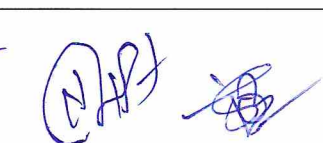


Program: B.A./B.Sc.

Subject: Defence and Strategic Studies

### Syllabus

Year	B.A. III	Semester V
Course Code	A120501T	
Course Title	Indian Defence Mechanism (Theory)	
Credit	4	Maximum Marks 25+50
<b>Course Objective:</b> <ul style="list-style-type: none"> <li>To understand the structure of Indian Armed Forces</li> <li>To study the role of paramilitary forces</li> <li>Coordination between Armed Forces and Civil Authorities</li> <li>Coordination between Ministry of Defence and Armed Forces</li> <li>Modus operandi of Defence Policy</li> </ul>		
<b>Learning Outcomes:</b> After successful completion of the syllabus, learners will be able to: <ul style="list-style-type: none"> <li>Defence mechanism of India</li> <li>Evaluate its strength</li> <li>Structure of Armed Forces</li> <li>Civil Military Relations</li> <li>Coordination of three services</li> </ul>		
<b>Unit</b>	<b>Course Contents</b>	
I	1. Higher Defence Organisation of India <ol style="list-style-type: none"> <li>Power of President of India in relation of Defence</li> <li>Role and function of Ministry of Defence</li> <li>Composition and function of Defence Committees</li> </ol> 2. Second line of Defence (Introduction to Paramilitary Forces)	
II	3. Army Organization <ol style="list-style-type: none"> <li>Organization of army Headquarters and training institutes.</li> <li>Static and Field formation of Indian Army</li> <li>Roles and Duties</li> </ol>	
III	4. Air Force Organization <ol style="list-style-type: none"> <li>Organization of air Force Headquarters and training institutes.</li> <li>Role and duties</li> </ol> 5. Navy Organization <ol style="list-style-type: none"> <li>Organization of Naval Headquarters and training institutes</li> <li>Roles and duties</li> </ol>	



IV	6. Cooperation between Armed Forces and Civil Authorities a. Civil Military Relations 7. India's Defence Cooperation with foreign countries a. Defence Diplomacy b. Defence Partnership.
References: 1. Venkateshwaran, A.L., (1967) Defence Organization in India, New Delhi: Government of India. 2. Palit, D.K., (1989) Essentials of Military Knowledge, New Delhi. 3. Ministry of Defence, Government of India, Indian Armed Forces Yearbook, (Annual). 4. Singh, Nagendra., (1967) Defence Mechanism of Modern State, New Delhi.	

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Program: B.A./B.Sc.

Subject: Defence and Strategic Studies

### Syllabus

Year	B.A. III	Semester V
Course Code	A120502T	
Course Title	National Security of India (Theory)	
Credit	4	Maximum Marks 25+50
<b>Course Objective:</b> <ul style="list-style-type: none"> <li>To study National security of India with geopolitical perspective</li> <li>Understanding India's land and sea borders</li> <li>Foreign policy of India</li> <li>Maritime security challenges</li> <li>Security concern with China and Pakistan</li> </ul>		
<b>Learning Outcomes:</b> After successful completion of the syllabus, learners will be able to understand: <ul style="list-style-type: none"> <li>To learn National Security of India.</li> <li>Geopolitics of India.</li> <li>Security problems of India</li> <li>National Security Council</li> <li>Determinants of foreign policy</li> </ul>		
<b>Unit</b>	<b>Course Contents</b>	
I	1. India's Geostrategic Location and Significance <ul style="list-style-type: none"> <li>a. Nature and Characteristics of India's land borders.</li> <li>b. India's Maritime Security Challenges</li> </ul> 2. Indian Concept of National Security <ul style="list-style-type: none"> <li>a. Threat Perception</li> <li>b. Military and non-military threats and challenges.</li> </ul>	
II	3. India's Security problems since independence. <ul style="list-style-type: none"> <li>a. Geopolitical effects of partition.</li> <li>b. Effects on armed forces</li> </ul> 4. Determinants of Indian Foreign Policy- Basic determinants: Objective of Indian Foreign Policy; global and regional perspective.	
III	5. External Dimensions of India's Security <ul style="list-style-type: none"> <li>a. Security problem related to Pakistan including Indo-Pak wars (1947-48, 1965, 1971, 1984, 1999)</li> </ul> 6. Security problems related to China including 1962 Sino-Indian War.	

IV	<p>7. International dimensions of India's Security</p> <p>a. Terrorism in Jammu and Kashmir</p> <p>b. Naxalism, Insurgency in North-East</p> <p>8. National Security Council: Structure and Role</p> <p>9. Disaster Management in India</p>
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References:

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.





Program: B.A./B.Sc.

Subject: Defence and Strategic Studies

### Syllabus

Year	B.A. III		Semester V
Course Code	A130503P		
Course Title	Military use of Electromagnetic Spectrum, Press Clipping, Tour		
Credit	2	Maximum Marks	50
Course Objective			
Learning Outcomes:			
Unit	Course Contents		
I	1. Thermal Imaging and Sensors 2. Radars and its Significance		
II	3. Introduction to Electronic Warfare in terms of Lasers, ECM, ECCM		
III	4. Press clippings on allotted current topics with a brief assignment		
IV	5. Educational Tour and its report		
References:			






Program: B.A./B.Sc.

Subject: Defence and Strategic Studies

### Syllabus

Year	B.A. III	Semester VI
Course Code	A130601T	
Course Title	Science and Technology in Relation to Warfare (Theory)	
Credit	4	Maximum Marks 25+50
Course Objective : <ul style="list-style-type: none"><li>To understand the role of Science and Technology in conduct of Warfare</li><li>To study the importance of Science and Technology in National Security.</li><li>Role of automation</li><li>Revolution in military affairs</li><li>Military Industrial complex</li></ul>		
Learning Outcomes:students will understand the significant role of <ul style="list-style-type: none"><li>Science and technology in society, national security and warfare.</li><li>Types of Armament Technology</li><li>Evolution of RMA</li><li>Defence R &amp; D</li><li>Defence production</li></ul>		
Unit	Course Contents	
I	1. Role of Science and Technology in National Security 2. Impact of Science and Technology on Society and Warfare	
II	3. Transfer of Technology <ul style="list-style-type: none"><li>International Interdependence</li><li>Role of multinational corporations.</li></ul> 4. Armament Technology (in brief): <ul style="list-style-type: none"><li>Armoured vehicles: Tanks and APC's</li><li>Aircrafts, UAV's and Missile</li><li>Submarine and Aircraft Carrier</li></ul>	
III	5. Information Warfare/Cyber Security 6. Missile Technology and India's Missile Defence System	
IV	7. Revolution in Military Affairs (RMA) 8. Defence R & D and Defence Production in India	
References		
1. Arcangelis,Mariode,(1990)ElectronicsWarfare,Ratna,NewDelhi.		
2. Rehman, A. (1972) Science Technology and Society: New Delhi, People's Publishers House.		






3. 3.Anand. A. (2003) Information Technology: The future warfare weapons: New Delhi, Ocean books,.
4. 4.Baranson,Jack.(1978)Technology andthe Multinationals: Lexington,LexingtonBooks.
5. Johan Erickson (Ed.) (1966) The Military Technical Revolution: Its Impact on strategic and ForeignPolicy: NewYork,Frederick APrager.
6. MannT.S.,(1982)TransferandTechnology:Bombay,Himalaya PublicationsHouse.
7. JasbirR.K,(1987)HandbookofmilitaryscienceandArmamentTechnology:Dehradun,Natrajpu blications.
8. Singer,H.W.,(1988)TechnologyTransferbyMultinational Vol.I&II:New Delhi,Ashis.
9. TiwariV.M.andRajnikant,(1996)ThehightechwarattwentiethCentury:New Delhi,Vikas.
10. Rajan,Y.S.(2001)EmpoweringIndia(with EconomicBusiness&TechnologicalstrengthsforthetwentyFirst Century) : NewDelhi,HariAnand.
11. RobertH. Latiff,(2017)Futurewar,PenguinRandomHouse.
12. कलाम, डा ए पी जे अब्दुल कलाम एवं राजन, वाई एस., (2015) भारत 2020 और उसके बाद, प्रभात प्रकाशन, नई दिल्ली











Program: B.A./B.Sc.

Subject: Defence and Strategic Studies

### Syllabus

Year	B.A. III	Semester VI
Course Code	A130602T	
Course Title	<b>Military Psychology (Theory)</b>	
Credit	4	Maximum Marks 25+50
<b>Course Objective :</b> <ul style="list-style-type: none"> <li>To understand the psychological aspects of war.</li> <li>To study information, propaganda and rumour.</li> <li>To understand leadership and related aspects</li> <li>To understand human resource management in war</li> <li>To overview emotional concerns in warfare</li> </ul>		
<b>Learning Outcomes:</b> Students would be able to understand the psychology behind the war, emotional aspects of the forces, discipline etc faced by the soldiers during war and peace. <ul style="list-style-type: none"> <li>Psychology behind the war</li> <li>Emotional aspects of the forces</li> <li>Discipline of forces</li> <li>Human sentiments of soldiers</li> <li>Leadership quality</li> </ul>		
<b>Unit</b>	<b>Course Contents</b>	
I	1. Military Psychology: Definition, Scope, Significance and its role during war and peace. 2. Psychological Weapons of War: Propaganda, Rumour and Indoctrination	
II	3. Fear and Panic in War: Causes, Consequences and Management 4. Military Leadership: Meaning, attributes, importance and role of training	
III	5. Discipline: Definition, purpose and tools of maintaining discipline 6. Motivation and Morale factors and their utilization in the armed forces.	
IV	7. Man Management- Concept, importance and strategy vis-à-vis armed forces	

8. Emotional problems and adjustment during war and peace.

References:

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. सिन्हा, हर्ष कुमार एवं सिंह, विनोद कुमार, सैन्य मनोविज्ञान, प्रत्युष पब्लिकेशन, नई दिल्ली

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Program: B.A./B.Sc.

Subject: Defence and Strategic Studies

### Syllabus

Year	B.A. III		Semester VI
Course Code	A130603P		
Course Title	Spotting Strategic Locations, Military Models, Presentations		
Credit	2	Maximum Marks	50
Course Objective			
Learning Outcomes:			
Unit	Course Contents		
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		
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		
III	3. Making of Models or Sketch : a. Fighter Plane b. Battle ship c. Radar d. Submarine e. Tank f. Missile g. Helicopter		
IV	4. Presentation on current defence topic		
References:			

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Program: B.A./B.Sc.

Subject: Defence and Strategic Studies

### Syllabus

Year	B.A. IV		Semester VII
Course Code	A130701T		
Course Title	Evolution and Development of Indian Art of War		
Credit	4	Maximum Marks	100
<b>Course Objective</b> The main objective of this paper is to enhance the understanding of the student about the Indian military system during different periods of history and to inculcate strategic thinking insight into them.			
<b>Learning Outcomes:</b> After completion of this course the student will be able to : 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 off origin in vedas. 3. Incultate the strategic thinking in sight.			
<b>Unit</b>	<b>Course Contents</b>		
I	1. Battle of Ten Kings (Vedic Era): Principle of war and its impact 2. Battle of Hydaspes (326 BC): Strategy, Tactics and Principle of war 3. First Battle of Tarain (1191 AD): Strategy & Tacticsand its impact 4. Second Battle of Tarain (1192 AD): Strategy & Tactics and its impact		
II	1. First Battle of Panipat (1526 AD): Strategy, Tactics, Principle of war & its impact. 2. Battle of Plassey (1757 AD): Strategy, Tactics, Principle of war and its impact. 3. Battle of Assaye (1803 AD): Strategy, Tactics, Principle of war and its impact. 4. Battle of Sobraon (1846 AD): Strategy, Tactics, Principle of war and its impact.		
III	1. Indo-Pak war (1947-48 AD): Causes of war, Strategy, Tactics & Principle of war 2. Indo-China war (1962 AD): Causes of war, Strategy, Tactics & Principle of war 3. Indo-Pak war (1965 AD): Causes of war, Strategy, Tactics & Principle of war 4. Indo-Pak war (1971 AD): Causes of war, Strategy, Tactics & Principle of war		
IV	1. Kargil conflict (1999 AD): Strategy, Tactics & Logistics 2. Surgical Strike 3. Air Strike 4. Military Operation : After 1947 to up to till date		
<b>References:</b> 1. Bajawa, F. (n.d.). The Military System of Sikhs. 2. Erwin, I. (n.d.) Army of Indian Mughals. 3. Fuller, J. (n.d.) Generalship of Alexander the Great. 4. Kulshrestha, R. (n.d.). Kautilya's Philosophy of War. 5. Majumdar, B. (n.d.). Bhartiya Sena Ka Itihas. 6. Majumdar, B. (n.d.). Military System in Ancient India. 7. Sarkar, J. (n.d.) Military System of Marathas.			

*Dr. S. P. Singh*

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8. Sen, S. (n.d.). The Military System of Marathas.
  9. Singh, A. (n.d.) Bhartiya Sainya Itihaas.
  10. Singh, a. P. (n.d.). Bhartiya Sainya Itihaas Ki Roop Rekha.
  11. Singh, S. (n.d.) Rise and Fall of the Mughal Empire.
  12. Tripathi, R. (n.d.) Rise and Fall of the Mughal Empire.
- And other books and journals are recommended by the teacher.

8. Sen, S. (n.d.). The Military System of Marathas.
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10. Singh, a. P. (n.d.). Bhartiya Sainya Itihaas Ki Roop Rekha.
11. Singh, S. (n.d.) Rise and Fall of the Mughal Empire.
12. Tripathi, R. (n.d.) Rise and Fall of the Mughal Empire.

And other books and journals are recommended by the teacher.










Program: B.A./B.Sc.

Subject: Defence and Strategic Studies

### Syllabus

Year	B.A. IV	Semester VII
Course Code	A130702T	
Course Title	Conceptual Aspects of National Security	
Credit	4	Maximum Marks 100
<b>Course Objective</b> 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.		
<b>Learning Outcomes:</b> After completion of this course the student will be able to : <ol style="list-style-type: none"> <li>1. Understand the evolution of the concept of national security with the components, nature, dimensions and objectives of it.</li> <li>2. Understand India's national security threats and challenges in the present world as well assign coming decades.</li> <li>3. Understand the current needs of India's defence cooperation, strategic partnership and security dialogue with strategically important countries.</li> </ol>		
<b>Unit</b>	<b>Course Contents</b>	
I	1. Concept of National Security. 2. Components of National Security. 3. National Security in the age of Globalization: New threats and challenges. 4. Comprehensive Security: Meaning and Scope	
II	1. Alternative models of International Security. 2. Balance of Power & Balance of Terror. 3. Collective Security & Collective Defence. 4. Non-Alignment movement. 5. Deterrence and Detente	
III	1. Cyber Security 2. Need and Importance of Cyber Security. 3. Different Kind of Cyber Security. 4. Cyber War 5. Measure for cyber Security-Technology, Law and regulations.	
IV	1. New Trends in 21st Century 2. Defence Cooperation 3. Military Alliances. 4. Strategic Partnership 5. Security Dialogue	



References:

1. Bhaskar, C.U. (n.d). India's Security Concerns.
2. Bhaskar, N.S. (2005). Emerging India: Security of Foreign Policy Perspectives. New Delhi: IDSA and Promilla & Co.
3. Buzan, B. (n.d.). People, States and Fear: The National Security.
4. Clark, M. (1998). New Perspective on Security. London.
5. Sen. G. (1993). Security in the New World Order. Delhi: Chanakya Publication.
6. Subramanayam, K. (n.d.) Our National Security, Economic and Scientific Research Foundation and other books and journals are recommended by the teacher.

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Program: B.A./B.Sc.

Subject: Defence and Strategic Studies

### Syllabus

Year	B.A. IV		Semester VII
Course Code	A130703T		
Course Title	Evolution of Strategic Thoughts		
Credit	4	Maximum Marks	100
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.			
Learning Outcomes:			
After completion of this course the student will be able to :			
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 mechanized warfare.			
Unit	Course Contents		
I	Kautilya : On War, Types of war, Saptang Theory, Composition of the Army, Inter-state Relations and Diplomacy		
II	1. N. Machiavelli: Thoughts regarding war, War & Policy, Military Organization 2. K. Clausewitz; On war, War and Policy, Strategy and Tactics 3. A. Jomini: Concept of Mass Army, Strategy, Tactics		
III	1. J.F.C. Fuller : Armoured Warfare 2. L. Hart : Armoured Warfare 3. G. Douhet, W. Mitchell & A. Seversky : The Theory of Air Power		
IV	1. A.T. Mahan : Theory of Sea Power and Naval Strategy 2. Halford Mackinder: Heartland Theory and Continental doctrine of Sea Power 3. Andre Beaufre: Thoughts on Nuclear Deterrence.		
References:			
1. Earl, Gilbert. (n.d.). Machiavelli: Art of War.			
2. Fuller, J. (n.d.) Conduct of War. New Delhi.			
3. Howard, M. (1965). The Theory and Practice of War. London.			
4. Howard, M. (1976). War in European History. London.			
5. Machiavelli. (1961). The PRince. Britain.			
6. Montros, L. (1960). War Through The Ages. New York.			
7. Wright, L.s. (1937). Warfare, Washington.			
And other books and journals are recommended by the teacher.			



Program: B.A./B.Sc.

Subject: Defence and Strategic Studies

### Syllabus

Year	B.A. IV		Semester VII
Course Code	A130704T		
Course Title	Concept of War and Peace		
Credit	4	Maximum Marks	100
Course Objective			
Contemporary peace and conflict studies began as a response set to the World Wars Today, peace and conflict studies are an extremely broad and inter disciplinary 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 CBM's in it.			
Learning Outcomes:			
After completion of this course the student will be able to :			
1. Understand the conceptual analysis of peace and conflict with their meaning nature and scope.			
2. Understand the concept, theories and approaches to conflict solution and peace research.			
3. Understand regional conflicts and role of United Nations and Confidence & Security Building Measure (CSBMs)			
Unit	Course Contents		
I	1. Concept and Causes of war, Types of war and War cycle. 2. Strategy : Strategy of Annihilation, Strategy of Exhaustion. 3. Tactics and Logistics		
II	1. Categorization of war. 2. Civil War. 3. Limited war 4. Chemical & Biological war 5. Nuclear war 6. Guerrilla war 7. Revolution war 8. Low intensity conflicts		
III	1. Principles of War : Practice in modern time with examples		
IV	1. Confidence Building Measure (CBMs) 2. Peace Building, Peacemaking and peace keeping. 3. Problems of CBMs in contemporary world.		
References:			
1. Bose, A. (1919). Peace and Conflict Resolution in World Community. New Delhi.			
2. Boulding, K. (1962). Conflict and Defence: A General Theory. New York.			
3. Bright, B. (1985). Education for peace. New York.			



4. Burton, J. (1965). International Conflict Resolution, New York.
5. Curle, A. (1927). Another Way : A Mechanistic View of War and Peace, Cambridge.
6. Duvall, P.A. (2000). A Force More Powerful: A Century of Non-Violent Conflicts, New York.
7. Galtung, J. (1975), Essay in Peace Research, Copenhagen.
8. Galtung, J. (1984), Struggle of Peace, Ahmedabad.
9. Galtung, J. (1996), Peace by Peaceful mean: Peace and Conflict, Development and Civilization, Sage Publication.
10. Ghali, B.B. (1992), An Agenda for Peace: Preventive Diplomacy, Peacemaking and Peace Keeping (U.N. Report), New York.
11. Gupta, A.D. (1956), Non-Violence : The Invincible Power, Calcutta.
12. Purdeshi, G. (1982), Contemporary Peace Research, New Delhi.
13. Ao, B. (1996), Global Perceptions on Peace Education, New Delhi.
14. Wright, Q. (1965), A Study of War, Chicago.

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Program: B.A./B.Sc.

Subject: Defence and Strategic Studies

### Syllabus

Year	B.A. IV	Semester VII
Course Code	A130705P	
Course Title	Practical	
Credit	4	Maximum Marks 100
<p>Students will assign with the practical task of spotting and strategic briefing of the following with the help of given maps/computer-based presentation</p> <ol style="list-style-type: none"> <li>1. Headquarters of Indian Army.</li> <li>2. Headquarters of Indian Air force.</li> <li>3. Important Nevel bases and Ports of India.</li> <li>4. Important Nuclear and space research establishment in India.</li> <li>5. Defence Research and Development organization in India.</li> </ol> <p>After completeive of the course the students will submit a record file.</p>		

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Program: B.A./B.Sc.

Subject: Defence and Strategic Studies

### Syllabus

Year	B.A. IV		Semester VIII
Course Code	A130801T		
Course Title	Insurgency and Counter Insurgency warfare		
Credit	4	Maximum Marks	100
<b>Course Objective</b> The course in tends of enhance the knowledge and skills of the students with theoretical aspects of Insurgency and Counter Insurgency warfare.			
<b>Learning Outcomes:</b> After completion of this course the student will be able to : <ol style="list-style-type: none"><li>1. Learn contemporary challenges top peace and stability in the world.</li><li>2. The contemporary problems of international threats and other issues threatening international peace and security.</li><li>3. The course also makes them learn to contemplate response mechanisms to solve conflict issues.</li></ol>			
<b>Unit</b>	<b>Course Contents</b>		
I	<ol style="list-style-type: none"><li>1. Comparative study of Revolt, Coup. Insurgency, Guerrilla Warfare and Revolution any war.</li><li>2. Defining, Insurgency, causes of Insurgency, Phases, of Insurgency.</li><li>3. Definitions, nature, scope, principles, strategy and Tactics of Guerrilla warfare.</li></ol>		
II	<ol style="list-style-type: none"><li>1. Concept of Guerrilla warfare as advocated by</li><li>2. Sun-Tzu</li><li>3. Mao-Tse-Tung</li><li>4. Che-Guavera</li></ol>		
III	<ol style="list-style-type: none"><li>1. Causes of Insurgency in India with special reference to Punjab, J&amp;K, North Eastern state and naxalite effected areas.</li><li>2. Concept, strategy, Tactics, Principles and Applications of Counter-Insurgency.</li></ol>		
IV	<ol style="list-style-type: none"><li>1. Counter Insurgency measures adopted by the Indian Government in different parts of country.</li><li>2. Future of Insurgency in malaya.</li><li>3. Success of Insurgency in Indo-China.</li></ol>		
<b>References:</b> <ol style="list-style-type: none"><li>1. Asprey R. (n.d.), War in the Shadows.</li><li>2. Buchan, A. (n.d.), War in Modern Strategy.</li><li>3. Cady, J. (n.d.) History of Burma.</li><li>4. Daniel, J. (n.d.) Che Guevara.</li><li>5. Earle, E. (n.d.) Makers of Modern Strategy.</li><li>6. Fall, B. (n.d.), Street without Joy.</li><li>7. Franklin , M. (n.d.) Modern Guerrilla Warfare.</li></ol>			

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8. Khan, G.M. (n.d.), Nationalism and Revolution in Indonesia.
9. Mohanty, M. (n.d.), Political Philosophy of Mao-Tse-Tung.
10. Nasution, A. (n.d.), Fundamentals of Guerrilla Warfare.
11. Osanka, F. (n.d.), Modern Guerrilla Warfare.
12. Palit, D. (n.d.), Essentials of Guerrilla Warfare.
13. Regis, D. (n.d.), Che Guevara.
14. SunTzu. (n.d.), The Art of War.
15. Thomson, R. (n.d.), Defeating Communist Insurgency.
16. Tse-Tung, M. (n.d.), Guerrilla Warfare.
17. Wolf, E.R. (n.d.), Peasant Wars of the 20th Century.

And other books and journals are recommended by the teacher.

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Program: B.A./B.Sc.

Subject: Defence and Strategic Studies

### Syllabus

Year	B.A. IV		Semester VIII
Course Code	A130802T		
Course Title	Disarmament, Arms Control & Proliferation of WMD		
Credit	4	Maximum Marks	100
Course Objective			
The course intends to make the students/scholars aware with the advancements in field of armament. This development has led to various conflicts which in turn resulted in massive destruction of human being and state's resources. Hence, the study of disarmament and arms control becomes important in containing not only war but also the proliferation of weapons.			
Learning Outcomes:			
After completion of this course the student will be able to :			
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.			
Unit	Course Contents		
I	1. Armament : Meaning, Development & New Trends. 2. Concept of Disarmament and Arms Control. 3. Elements of Arms Control Mechanism : Agreement, Verification, Inspection and Control. 4. Differences between Arms Control, Arms Limitation, Arms Reduction and Arms Trades.		
II	1. Historical Survey of disarmament Efforts 2. Under The League of Nations 3. Under the UNO 4. Unilatera, Bilateral and Multilateral Approaches 5. Nuclear-Arms Limitation and Nuclear Arms Control-Treaties.		
III	1. Weapons of Mass Destruction (WMD) : Nuclear, Chemical and Biological Weapons 2. MRCY : Objectives, Challenges and role of Great Powers 3. Nuclear Supplier Group: Objective, Problems and Prospects.		
IV	1. Arms Trade Treaty (ATT) and its Implications for Regional & Global Security. 2. Social & Economic Consequences of Disarmament & Arms Control. 3. Trends in Arms Import & Export of India.		
References:			
1. Al, A.C. (1983), Living with Nuclear Weapons, Cambridge : Howard University Press.			
2. Beaufre, A. (1965), Deterrence and Strategy, London.			
3. Harkabi, Y. (n.d.), Nuclear War and Nuclear Peace, Jerusalem.			
4. Jones, R. (1968), Nuclear Deterrence; A Short Political Analysis, New York.			

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5. Kahn, J. (1975), Security in the Nuclear Age, Wasihngton.
6. Lehman, J.D. (n.d.), Arms Control for Late 60s. INC Crane New York : Russels & Col.
7. Luard, E. (1965), First Step to Disarmament, London.
8. Mearsheimer, J. (1983), Conventional Deterrence, London.
9. SIPRI YEARBOOK. (n.d.)
10. The United Nations, Disarmaments Year Book. (1994), New York.
11. Yefremov, A. (1979), Nuclear Disarmament, Moscow.

And other books and journals are recommended by the teacher.

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Program: B.A./B.Sc.

Subject: Defence and Strategic Studies

### Syllabus

Year	B.A. IV		Semester VIII
Course Code	A130803T		
Course Title	Strategic Dimensions of Sino-Indian & Indo-Pak Relations		
Credit	4	Maximum Marks	100
<b>Course Objective</b> This course intends to enhance to knowledge of the Students/scholars with the issues, perspectives and analysis of the strategic dimensions of India's relations with China and Pakistan and oriented towards giving future projections.			
<b>Learning Outcomes:</b> After completion of this course the student will be able to : 1. Learn Contemporary challenges to peace and stability in the world. 2. The contemporary problems of international threats and other issues threatening international peace and security. 3. The course also makes them learn to contemplate response mechanisms to solve conflict issues.			
<b>Unit</b>	<b>Course Contents</b>		
I	1. Genesis of Sino-Indian Relations 2. The Boundary Dispute with China		
II	1. China-Indian Military Balance 2. China's Policy towards India's Neighbors 3. Rise of India and China: Cooperation and Competition		
III	1. Genesis of India-Pakistan Conflict. 2. Strategic Dimension of India-Pakistan Relations 3. Sino-Pakistan Nexus		
IV	1. The Kashmir Problem 2. Pakistan Sponsored Terrorism 3. Pakistan's Nuclear Strategy		
<b>References:</b> 1. Alistair, L. (n.d.), Kashmir: A Disputed Legacy. 2. Bajpai, K. (n.d.), The peacock and the Dragon: India-China Relations in the 21st Century. 3. Dalvi, J. (n.d.), India-China Border in Kashmir. 4. Kaul, H. (n.d.), India-China Border in Kashmir. 5. Maxwell, N. (n.d.), India's-China War. 6. Noorani, A. (n.d.), The Kashmir Dispute, Vol. I and IIInd. 7. Rao, G.N. (n.d.), The India-China Border: A Reappraisal. 8. Sandhu, P. (n.d.), Rising China. 9. Sidhu, (n.d.), India-Pakistan-China: Defence and Nuclear. 10. Sinha, S. (n.d.), Operation Rescue: Military Operation in. 11. Subramniam, R. (n.d.), India Pakistan China : Defence and Nuclear 12. Tinker, H. (n.d.), India and Pakistan : A Political Analysis.			

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Any other books and journals are recommended by the teacher.



Program: B.A./B.Sc.

Subject: Defence and Strategic Studies

### Syllabus

Year		B.A. IV		Semester VIII	
Course Code		A130804T			
Course Title		Evolution and Development of Western Art of War			
Credit		4		Maximum Marks 100	
<b>Course Objective</b> The main objective of this paper is to enhance the understanding of the student about the western military system during different Periods of history and to inculcate strategic thinking insight into them.					
<b>Learning Outcomes:</b> After completion of this course the student will be able to : 1. Understand the basic concepts of the western military traditions. 2. Understand comparative analysis of western military systems during different periods of history and the military systems of foreign invaders. 3. Inculcation of strategic thinking insight.					
<b>Unit</b>		<b>Course Contents</b>			
I		1. Impact of armament on tactics. 2. Military System of Greeks and Romans with special reference to important battles- (a) Battle of Arbela-331B.C. (b) Battle of Cannae-216B.C.			
II		1. Barbarians and the battle of Adrianople. 2. Mounted Archers and the battle of Hastings 1066 A.D. 3. Revival of Infantry and the battle of Crecy 1346 A.D.			
III		1. Impact of science and technology on warfare with special reference to the reform of Gustavus Adolphus and Frederick The Great 2. Revolution in tactics with special reference to French revolution and Napoleonic art of warfare. 3. American Civil War (1861-1865) and New Military trend.			
IV		1. Foundation of World War-I, Treaty of Versailles 2. Rise of Nazism; Origins of World War II 3. Theories of Deterrence: Credibility and intentions			
<b>References:</b> 1. Archer, 1 John R. Ferris, Holger H. Herwig, and Timothy H.E. Travers. (2nded, 2008), World History of Warfare 638pp. 2. Black, Jeremy (2001), Warfare in the Western World, 1775-1882m 240pp. 3. Black Jeremy (2002), Warfare in the Western World, 1882-1975, 256pp. 4. Chambers, John White clay, ed. The Oxford Companion to American Military History (2000). 5. Cowley, Robert and Geoffrey Parker, eds. The Reader's Companion to Military History (2001) excellent converge by scholars.					

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6. Dear, I.C.B., and M.R.D. Foot, eds. Oxford Companion to World War II (2005; 2nd ed. 2010).
7. Doughty, Robert, Ira Gruber, Roy Flint, and Mark Grimsley. Warfare in the Western World (2vol 1996), Comprehensive textbook.
8. Dupuy, R. Ernest and Trevor N. Dupuy. The Encyclopaedia of Military History: From 3500 B.C. to the Present (1977), 1465 pp; comprehensive discussion focused on wars and battles;
9. Holmes, Richard, ed. The Oxford Companion to Military History (2001), 1071 pp; online at OUP.
10. Jones, Archer, The Art of War in the Western World (2001).
11. Keegan, John (1999). The First World War (9th ed) New York : Random House.
12. Kohn, George C. Dictionary of Wars (3rd 2006) 704pp, very useful summary crossword history.
13. Karsten, Peter. ed., Encyclopaedia of War and American society (3 vols., 2005).
14. Keegan, John. The Face of Battle (1976).
15. Keegan, John. The Price of Admiralty: The Evolution of Naval Warfare (1989).
16. Lamphear, John, ed. African Military History (Routledge, 2007).
17. Lee, Wayne E. Waging War: Conflict, Culture and Innovation in World History (2015).
18. Lynn, John A. Battle : A Cultural History of Combat and Culture (2003).





Program: B.A./B.Sc.

Subject: Defence and Strategic Studies

### Syllabus

Year	B.A. IV	Semester VIII
Course Code	A130805P	
Course Title	Practical & Viva-Voce	
Credit	4	Maximum Marks 100
<p>Student will be expected to mark the areas in the map provided and to write a brief note about the spots</p> <p>6. Disputed Land Area with bordering states</p> <ol style="list-style-type: none"> <li>Pakistan</li> <li>China</li> <li>Nepal</li> <li>Bangladesh</li> </ol> <p>7. Disputed Sea Areas with bordering states</p> <ol style="list-style-type: none"> <li>Pakistan</li> <li>Bangladesh</li> <li>Sri Lanka</li> </ol> <p>3. Field Excursion/tour report</p> <p>In view of the courses of the National Security and area studies the students are required to visit the installation of military significance so as the enable them to understand the ground realities. Based on the field study the students have to prepare their respective reports and the candidate would be examined at the time of practical examination of the subject. The university may provide financial assistance to teacher-in-charge, non-teaching staff and the student of the concern &amp; tour.</p>		

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