# Shri Vishwanath P. G. College Kalan, Sultanpur

(Affiliated)



## DR. RAM MANOHAR LOHIA AVADH UNIVERSITY, AYODHYA

Structure of Syllabus for the Program: B.Sc.



**Subject: DEFENCE AND STRATEGIC STUDIES** 

SEMESTER-WISETITLESOFTHEPAPERSINUGPHYSICSCOURSE					
YEAR	SEME- STER	COURSE CODE	PAPER TITLE	THEORY/ PRACTICAL	CREDIT
			CERTIFICATE		
	I	A120101T	Conceptual Aspect of war	THEORY	4
EAR		A120102P	Basics of OperationalExercises-1	PRACTICAL	2
FIRST YEAR	П	A120201T	Military History of India	THEORY	4
FIR		A120202P	Basics of OperationalExercises-ll	PRACTICAL	2
			DIPLOMA		I
~	III	A120301T	National Security - Conceptual Aspects	THEORY	4
YEAF		A120302P	Basics of OperationalExercises-lll	PRACTICAL	2
SECOND YEAR	IV	A120401T	Strategic Though	THEORY	4
SEC		A120402P	Basics of TEWTs/SandModel Exercises, Sketching, Discussion	PRACTICAL	2
			DEGREE		
			IN BACHELOR OF SCIENCE		
		A120501T	Indian DefenceMechanism	THEORY	4
THIRD YEAR		A120502T	National Security of India	THEORY	4
	V	A130503P	Military use of Electromagnetic Spectrum,Press Clipping,Tour	PRACTICAL	2
		A130504R	Research Project-1	PROJECT	3
		A130601T	Science and Technology inRelation to Warfare	THEORY	4
		A130602T	Military Psychology	THEORY	4
	VI	A130603P	Spotting Strategic Locations, Military Models, Presentation	PRACTICAL	2
		A130604R	Research Project-2	PROJECT	3

### **Semester I**

# **Theoretical Paper**

#### **A120101T: Conceptual Aspects of war**

Unit	Topics	Total No. of Lectures (60)
	Conceptual Formulation	
	a. Meaning and definition of Defense and Strategic Studies – Its relevance and significance and relationship with other disciplines of study.	
I	<ul> <li>b. War - Definition and meaning and basic concepts – Understanding various causes of War. Basic Concepts - War, Campaign, Battle, Strategy, Tactics, Security and Defense.</li> </ul>	
	c. Ancient Indian War and Defense Strategies	
	3. Principles of War	
II	4. War as an instrument of policy: Past, Present and Future	07
	5. Modern Warfare	
III	a. Concept and definition	07
	b. Features of Modern Warfare	07
	6. Guerilla Warfare	
	a. Origin and concept.	
IV	b. Principles, techniques and characteristics of guerrillawarfare.	08
	c. Counter guerrilla measures.	
	7. Psychological Warfare	
V	a. Definition and concept.	8
	b. Functions and Limitations.	
	8. Economic Warefare	
	<ul><li>a. Concept and definition</li><li>b. Basic dimensions</li></ul>	6
VI	c. Effects of war on National Economy	
V 1	9. Nuclear warfare	
VII	<ul><li>a. Beginning of nuclear era and effects of nuclear explosion.</li><li>b. Nuclear strategies of `Deterrence' and `Massive Retaliation'.</li></ul>	8
	10. Chemical and Biological Warfare	
VIII	a. Definition and concept	8
	b. Agents, their effect and military use.	
α	יי די ד	

- 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,
- 5. 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

# **Semester I**

# **Prectical**

## **A120102P: Basics of Operational Exercises-**

Unit	Topics	Total No. of Lectures (60)
I	1.Maps: Definition and Features; Classification and its utility forMilitary; Enlargement and reduction of Maps.     2.Connventional Signs: Military and Geographical	06
II	3.GRID System: Four Figure and Six figure Map References.	08
III	4.North:Types of North and finding out True North; The Pole StarMethod; The equal altitude method; Watch method & Compass method.	06
IV	5. Scale: Definition, Methods of representing Scale: Inter- conversion of scale into Representative Fraction, construction of simple scale line and the comparative scale lines.	10
I	6.Maps: Definition and Features; Classification and its utility forMilitary; Enlargement and reduction of Maps. Conventional Signs: Military and Geographical	06

### **Suggested Continuous Evaluation Methods:**

#### Research Orientation

Test with multiple choice questions/short and long answer questions, or Record , Viva Voce.

## **Semester II**

# Theoretical Paper

#### **A120201T: Military History of India**

I. Military System in Vedic and Epic Age.  2. Macedonian and Indian art of war with particular reference to thebattle of Hydaspes (326 B.C.)  II 3. Kautilya's Philosophy of War : State Craft, Military Organisation, Weapon, Intelligence System and the Art of War  4. Turk and Rajput Military System with particular reference to theBattle of Tarrian(1192 AD)  5. Millitary Organisation and Pattern of Warfare during theSultanate period with particular reference to Ala-uddin Khilji  6. The Mughal Military System with particular reference to the First Battle of Panipat (1526 AD)  8. The Rajput Military Organisation, Weapon system and art of fighting with particular reference to the battle of Kanwah (1527 AD)  V 9. The Maratha Military System with special reference to the thirdbattle of Panipat (1761 AD)  VI 10. Sikh Military System with special reference to the battle of Sobraon (10 Feb. 1846AD)  11. Military System of East India Company, Evolution of Indian Armed forces from 1858 to 1947 A.D. "Growth of Indian Navy and Air Force  12. 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	Unit	Topics	Total No. of Lectures (60)
II 3. Kautilya's Philosophy of War : State Craft, Military Organisation, Weapon, Intelligence System and the Art of War  4. Turk and Rajput Military System with particular reference to the Battle of Tarrian(1192 AD)  5. Millitary Organisation and Pattern of Warfare during the Sultanate period with particular reference to Ala-uddin Khilji  6. The Mughal Military System with particular reference to the First Battle of Panipat (1526 AD)  8. The Rajput Military Organisation, Weapon system and art of fighting with particular reference to the battle of Kanwah (1527 AD)  V 9. The Maratha Military System with special reference to the thirdbattle of Panipat (1761 AD)  VI 10. Sikh Military System with special reference to the battle of Sobraon (10 Feb. 1846AD)  11. Military System of East India Company, Evolution of Indian Armed VII forces from 1858 to 1947 A.D., Growth of Indian Navy and Air Force  12. 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	I	2. Macedonian and Indian art of war with particular reference to thebattle	08
III of Tarrian(1192 AD) 5. Millitary Organisation and Pattern of Warfare during theSultanate period with particular reference to Ala-uddin Khilji  6. The Mughal Military System with particular reference to the First Battle of Panipat (1526 AD)  8. The Rajput Military Organisation, Weapon system and art of fighting with particular reference to the battle of Kanwah (1527 AD)  V 9. The Maratha Military System with special reference to the thirdbattle of Panipat (1761 AD)  VI 10. Sikh Military System with special reference to the battle of Sobraon (10 Feb. 1846AD)  11. Military System of East India Company, Evolution of Indian Armed forces from 1858 to 1947 A.D., Growth of Indian Navy and Air Force  12. 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	II	3. Kautilya's Philosophy of War : State Craft, Military	07
IV Battle of Panipat (1526 AD) 8. The Rajput Military Organisation, Weapon system and art of fighting with particular reference to the battle of Kanwah (1527 AD) V 9. The Maratha Military System with special reference to the thirdbattle of Panipat (1761 AD) 8 VI 10. Sikh Military System with special reference to the battle of Sobraon (10 Feb. 1846AD) 11. Military System of East India Company, Evolution of Indian Armed forces from 1858 to 1947 A.D., Growth of Indian Navy and Air Force 12. 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	III	of Tarrian(1192 AD)  5. Millitary Organisation and Pattern of Warfare during theSultanate	07
V 9. The Maratha Military System with special reference to the thirdbattle of Panipat (1761 AD)  VI 10. Sikh Military System with special reference to the battle of Sobraon (10 Feb. 1846AD)  11. Military System of East India Company, Evolution of Indian Armed forces from 1858 to 1947 A.D., Growth of Indian Navy and Air Force  12. 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	IV	Battle of Panipat (1526 AD)  8. The Rajput Military Organisation, Weapon system and art of fighting	08
VI 10. Sikh Military System with special reference to the battle of Sobraon (10 Feb. 1846AD)  11. Military System of East India Company, Evolution of Indian Armed forces from 1858 to 1947 A.D. ,Growth of Indian Navy and Air Force  12. 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	V	9. The Maratha Military System with special reference to the thirdbattle	8
VII forces from 1858 to 1947 A.D. ,Growth of Indian Navy and Air Force  12. 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	VI	<u> </u>	
a. The First India-Pakistan War (1947- 1948) b. India-China War of 1962 c. The India Pakistan War of 1965	VII		8
e. The Kargil Conflict of 1999	VIII	<ul> <li>a. The First India-Pakistan War (1947- 1948)</li> <li>b. India-China War of 1962</li> <li>c. The India Pakistan War of 1965</li> <li>d. Liberation of Bangladesh of 1971</li> </ul>	8

- 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.

# **Semester II**

# **Prectical**

### **A120202T: Basics of Operational Exercises-II**

Unit	Topics	Total No. of Lectures (60)
I	1.Bearing: Definition, Inter conversion of Bearing in detail.	06
II	2. Liquid Prismatic Compass (LPC): Features and functions of its various parts: Attempt following exercise on the LPC: To determine magnetic north; Setting of the Map.	08
III	3.To find out the bearing of a point from other point situated on the ground.	06
IV	4.To determine one's and enemy's position on the map by resection and intersection methods with the help of compass.	10

#### **Suggested Continuous Evaluation Methods:**

Test with multiple choice questions/ Research Orientation/ short and long answer questions, orRecord, Viva Voce

## **Semester III**

# **Theoretical Paper**

### **A120301T: National Security-Conceptual Aspects**

Unit	Topics	Total No. of Lectures (60)
	1. Introduction	
	(a) Concepts of Nation, State and Nation – State,	
I	Security and Defence	08
	(b)Origin, Concept, and objectives of National Security.	
	2. National Security Analysis Concept, Components and formulation of	
II	Security and Defence Policies and their linkages	07
	3. National and International Security related Concepts	
	a. National Power and its elements, National Interest, Foreign	
III		

	Policy and Diplomacy.	07
	<b>b.</b> Balance of Power, Collective Security and Collective Defence, Non Alignment, Deterrence, Disarmament and arms control	
	4. Challenges and Threats to National Security	
IV	a. Military Threats/Challenges :Internal and External b.Non- Military Threats/Challenges:Internal and External	08
V	5. Concept of Defence: Threat Perception, Defence Planning and Reforms, Military, Nuclear and Missile Capabilities of India, China and Pakistan	
VI	6. Proliferation of weapons of Mass Destruction(WMD)andNPT, CTBT, MTCR, NMD and FMCT	6
VII	7. Armaments: Arms Race, Arms Aid, Arms Trade and Small Arms	
	Proliferation	8
VIII	<b>9.</b> Measures to address the challenges of National Security :a.One-sided initiative , and b. Collaborative approach	8
	10. Relevence of Science & Technology in National Security	

- 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.

# **Semester III**

# **Prectical**

## **A114302P: Drawing and Sketching**

Topics	Total No. of Lectures (60)
1.Relief Features and their representation on the map.	06
2. Types of slopes and their representation on the map	08
3.Gradient – Determination of gradients.	06
4.Inter visibility – Determination of inter visibility in case of rise orfall of slope.	10
	1.Relief Features and their representation on the map.  2. Types of slopes and their representation on the map  3.Gradient – Determination of gradients.  4.Inter visibility – Determination of inter visibility in case of rise orfall of

### **Suggested Continuous Evaluation Methods:**

 $Test\ with\ multiple\ choice\ questions/\ Research\ Orientation/short\ and\ long\ answer\ questions, or\ Record\ , VivaVoce$ 

### **Semester IV**

## **Theoretical Paper**

#### **A120401T: Strategic Thought**

Unit	Topics	Total No. of Lectures (60)
I	1. Kautilaya's Philosophy of war.	10
II	2. Sun Tzu- The Art of war.	05
III	3. Clausewitz's theories on war and politics.	06
IV	4. Mao-Tse-Tung's views on Guerrilla warfare.	08
V	5 .J.F.C. Fuller and Liddell Hart: Their views on Mechanizedwarfare	08
VI	6. Mahan's Views on Sea Power and Naval Warfare.	
		8
VII	7. Douhet and Mitchell: Their views on the Role of Air Power in	5
	Modern Warfare.	
	8. Y.Harkabi, John Foster Dulles and Andre Beaufre - Theories of	10
	Nuclear War and Deterrence.	
VIII		
	9. Thoughts of Mahatama Gandi and Nehru on Peace, Security and	
- G	Development.	

#### **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, Routeledge Kegenpaul. 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.Nasultion, Abdul Haris., (1965) Fundamentals of Guerrilla Warfare, Fredrick A Praguer.

# **Semester IV**

# **Prectical**

## A120402P: Basics of TEWTs/Sand Model Exercises, Sketching, Discussion

Unit	Topics	Total No. of Lectures (60)
I	1.Elementary knowledge of-	
	a.Rank structure of the three services	08
	b.Study and description of ground	
	c.Judging distance	
	d.Section formation	
	e.Patrolling	
	Or	
	1.Sand Model Exercises	
	Battle of Panipat, 1526	
	A.D.Battle of Assaye,	
	1803 A.D.	
II	2. Sketching of the Charts of Indian Battles	05
11	a.Battle of Thagla Ridge, 1962.	03
	b.Kargil Conflict, 1999	
III	3. Sketching of the Charts of Western Battles	
111	aBattle of Trafalgar, 1805.	05
	b.Battle of Somme, 1919.	
IV	4. Lecture and group discussion on current defence topics.	12

### **Suggested Continuous Evaluation Methods:**

Test with multiple choice questions/ Research Orientation/ short and long answer questions, Record ,VivaVoce

# Semester V

# Theoretical Paper -I

## **A120501T:** Indian Defence Machanism

Unit	Topics	Total No. of Lectures (60)
	1. Introduction and Differences between Army, Military and Defence	Lectures (00)
	Forces	
I	2. Second line Defence [introduction to Paramilitary Forces inbrief)	08
	2. The Indian Defence Forces	
	a. Rank Structure of the Three Services.	07
II	<b>b.</b> Recruitment methods for Defence Services.	
	c .Important training Institution of the Three Services.	
	3. Higher Defence Organizations of India	
	a. Power of the President of India in relation of Defence.	
	<b>b.</b> Role and function of Ministry of Defence.	08
III	c .Composition and function of Defence Committees/NSC.d .Chief	
	of Staff and joint service Organization.	
	4.Army Organization	
	a.Organization of army Headquarters (Role of COAS and PSOs).	
IV	b.Static and Field formation of Indian Army.	07
1 4	c. Arms and Services.	
	5. Air Force Organization	_
	<b>a.</b> Organization of Air Force Headquarters (Role of CAS and	7
***	PSOs).	
V		
	<b>b.</b> Static and Field formation of Indian Air Force.	7
	6. Navy Organization	7
	a. Organization of Naval Headquarters (Role of CNS &PSOs).	
VI	<b>b.</b> Static and Field formation of Indian Navy.	
	7. Cooperation Between Armed Forces and Civil Authoritiesa	
		8
	.Maintenance of Law and Order	
VII	b.Flood Relief Operations	
	c .Rescue and Relief Operation	
	8. Indian's Defence Cooperation with Foreign Countries	8
VIII	a. Defence Diplomacy	

- **b.** Cooperation on Capacity Building and Training
- c. Defence Partnerships with Major Powers

- 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.

# **Theoretical Paper-II**

#### **A120502T: National Security of India**

Unit	Topics	Total No. of Lectures (60)
	1. India's Geo-Strategic Location and significance.	
I	a. India's Borders- Nature and characteristics of land borders.	08
	<b>b.</b> Indian ocean territory and its strategic significance	
	2.Indian Concept of National Security	
	a.Meaning and Definition	
II	b.Threat Perceptions	07
	c.Types of threats to India	
	3.India's Security Problems since independence.	
III	a.Geo-political effects of partition.	08
	b.Effects on Armed Forces	08
IV	4. Determinants of Indian Foreign Policy - Basic Determinants: Objectives of Indian foreign policy; global and regional perspective.	07
	4. 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.	07
V	c. Regional Security challenges.	
	d.India's Maritime Security Challenges	
	5. Internal dimension of India's security	
	a.Terrorism in Jammu & Kashmir	07
VI	b.Insurgency in North eastern states	07
	c. Naxalism	
	6. Defence Organization in India: - Structure, Objectives, Role, and	
VII	Problems.	08
	7. National Security Council: Structure and Role	
VIII	8. National Security Management and Future Challenges	08

- **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
- 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, SterlingPublishers.

# **Practical -I**

### **B014503P:** Military use of Electromagnetic Spectrum, Press Clipping, Tour

Unit	Topics	Total No. of Lectures (60)
I	1.Thermal Imaging and Sensors. 2.Radars and its significance.	10
п	3.Introduction to Electronic Warfare in terms of Lasers, ECM, ECCM	08
III	4.Press Clippings on allotted current topics with a brief assignment	06
IV	6.Educational Tour and its report.	06

### **Suggested Continuous Evaluation Methods:**

Test with multiple choice questions/ Research Orientation/short and long answer questions, or Short Presentation/Lecturer, Record , Viva Voce

## **Practical -II**

### **B014504R: Research project-1**

Unit	Topics	Total No. of Lectures (60)
Ι	The Candidate has to select and give inputs in any one of thefollowing.	10
	It many include	
	1.Indo-NepalBorderSecurityandManagement	
	2. Studyandassessmentofpotential cyberthreats in your area.	
II	Involving application of knowledge in solving/analyzing/exploring real life situation/difficult issues related to Defence and StrategicStudies	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.	12

## **Suggested Continuous Evaluation Methods:**

Prepare Survey or tool on any one of the above areas Research Orientation-Collection of data related to the area.

A letter certifying the authenticity of work done from the mentorReport of the identified problems and survey conducted.

## **Semester VI**

# Theoretical Paper- I

#### A130601T: Science and Technology in Relation to Warfare

Unit	Topics	Total No. of Lectures (60)
	1.Science, Technology and National Security.	
I		07
II	2.Impact of Science and Technology on Society and warfare.	07
	3.Transfer of Technology:	
III	a .International interdependence b. Role of Multinational Corporations.	08
***	4.Armament technology (in brief):	
IV	Armoured vehicles: Tanks and APC`s  Aircrafts, UAV's and Missile	08
	Submarine and Aircraft carrier	
V	5. Electronics Warfare: Concept and applications	07
VI	6.Ballistic Missile Defence (BMD): Concept and applications.	07
VII	7.Revolution in Military Affairs (RMA)	08
VIII	8.Defence R&D and Defence Production in India	
	I.B. II	08

#### **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 ForeignPolicy: New York, Frederick A Prager.

## **Theoretical Paper-II**

### A130602T: Military Psychology

Unit	Topics	Total No. of Lectures (60)
I	1. Military Psychology: Definition, Scope, Significance and its role during war and peace.	08
II	2. Psychological Weapons of War: Propaganda, rumor andindoctrination.	07
III	3. Fear and Panic in War: Causes, Consequences and Management.	08
IV	4. Military Leadership: Meaning, attributes, importance and role of training.	07
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, PublishingCompany.

# Practical-I

## **B013603P: Defence and Strategic Studies**

Unit	Topics	Total No. of Lectures (60)
I	1. Strategic Maps of India: India and her neighbours; Indian Statesand Union Territories with Capitals; Strategic Raw Materials and Defence Industries and Atomic Reactors.	08
II	2. World: World Map in 1945, Countries of NATO, Non-AlignedCountries, Countries of South Asia, South East Asia, Far East andWest Asia; Nuclear Nations, Indian Ocean Littoral States and World Sea Routes.	08
	3. Making of Models -	
	a. Fighter Plane.	
II	b. Battle Ship.c.Rader	08
111	d.Submarine e.Tank	08
	f.Missile	
	g. Helicopter	
TV.	4. Presentations on current defence topic	
IV		06

#### **Suggested Continuous Evaluation Methods:**

Test with multiple choice questions/short and long answer questions, orShort Presentation/Lecturer, Record

,Viva Voce/ Research Orientation

# **Practical -II**

### **B013604P: Research Project-II**

Unit	Topics	Total No. of Lectures (60)
I	The Candidate has to select and give inputs in any one of the following.	10
	It may include	
	1Any Natural/Man Made disaster of your area and its management.	
	2.potential there acts to the city security and its management	
II	An intervention plan would be developed based on problem identified in	12
	the area/a field visit is mandatory to develop an understanding of the	
	whole process.	
III	The planned intervention to be carried in the selected area Based on the i	11
	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.	
		12
	A detailed Report is to be submitted and evaluated.	
VI		

**Suggested Continuous Evaluation Methods:** Prepared intervention plan on any one of the above areas Collection of data related to the area-Research Orientation

A letter certifying the authenticity of work done from the mentor Report of the implemented plan and impact/experience of intervention.