

CHOICE BASED CREDIT SYSTEM

**RAJA NARENDRA LAL KHAN WOMEN'S COLLEGE
(AUTONOMOUS)**



**UNDERGRADUATE PROGRAMME FOR NCC
(Courses effective from Academic Year 2018-19)**

**SYLLABUS OF COURSES TO BE OFFERED
Core Courses, Elective Courses & Ability Enhancement Courses**

Division of marks

Total marks: 650 (Core) + 150 (Elective)

Semesters	Theory	Practical	Total	Elective
Semester I	55	20	75	-
Semester II	55	20	75	-
Semester III	55+50	20	125	-
Semester IV	55+50	20	125	-
Semester V	55+50	20	125	75
Semester VI	55+50	20	125	75
Total	530	120	650	150

Structure of Syllabus

Semester – I (Duration: July – December)

Type	Paper	Units	Marks				Credit	Total Class Hours
			End-Sem Exam	Internal Exam	Unit Total	Paper Total		
Theory	CC1 [DSC-1AT]	Unit 1: NCC organization	9	2	11	55	4	60 hours
		Unit 2: National Integration and Awareness	9	2	11			
		Unit 3: National Security Organizations	9	2	11			
		Unit 4: Indian Army – Functional Organisations	9	2	11			
		Unit 5: Drill	9	2	11			
Practical	CC1 [DSC-1AP]	Unit 1: Drill (Without arms)	5	-	5	20	2	30 hours
		Unit 2: Social Activity	5	-	5			
		Unit 3: Field Reports	5	-	5			
		Unit 4: Lab Note Book	5	-	5			

Semester – II (Duration: January – June)

Type	Paper	Units	Marks				Credit	Total Class Hours
			End-Sem Exam	Internal Exam	Unit Total	Paper Total		
Theory	CC1 [DSC-1BT]	Unit 1: Personality Development and Leadership	12	3	15	55	4	60 hours
		Unit 2: Health and Hygiene	11	3	14			
		Unit 3: Environmental Awareness and Conservation	11	2	13			
		Unit 4: Social Awareness and Community Development	11	2	13			
Practical	CC1 [DSC-1BP]	Unit 1: Drill (With arms)	5	-	5	20	2	30 hours
		Unit 2: First Aids	1	-	1			
		Unit 3: Tactical exercise without troops	2	-	2			
		Unit 4: Field Reports	5	-	5			
		Unit 5: News paper clippings	1	-	1			
		Unit 6: Field Visits	1	-	1			
		Unit 7: Lab Note Book	5	-	5			

SEMESTER – III
(Duration: July – December)

Type	Paper	Units	Marks				Credit	Total Class Hours
			End-Sem Exam	Internal Exam	Unit Total	Paper Total		
Theory	CC1 [DSC-1CT]	Unit 1: Defense Organization of India	8	2	10	55	4	60 hours
		Unit 2: A. Organization of Supported Arms B. Military Decorations of Indian Army	8	2	10			
		Unit 3: Military Geography, Map Reading	8	2	10			
		Unit 4: Military History	6	1	7			
		Unit 5: Field Craft, Battle Craft	8	2	10			
		Unit 6: Weapon Training	7	1	8			
	SEC-1T	Centralized				50	2	30 hours
Practical	CC1 [DSC-1CP]	Unit 1: Drill (With arms)	5	-	5	20	2	30 hours
		Unit 2: Military History	2	-	2			
		Unit 3: Map Reading	2	-	2			
		Unit 4: Field Reports	5	-	5			
		Unit 5: Field Visits	1	-	1			
		Unit 6: Lab Note Book	5	-	5			

Semester – IV
(Duration: January – June)

Type	Paper	Units	Marks				Credit	Total Class Hours
			End-Sem Exam	Internal Exam	Unit Total	Paper Total		
Theory	CC1 [DSC-1DT]	Unit 1: Military Sociology	8	2	10	55	4	60 hours
		Unit 2: Military Psychology	8	2	10			
		Unit 3: Communication process	8	2	10			
		Unit 4: Field Engineering	6	1	7			
		Unit 5: Adventure Training	8	2	10			
		Unit 6: Weapons and Armaments	7	1	8			
	SEC-2T	Centralized				50	2	30 hours
Practical	CC1 [DSC-1DP]	Unit 1: Weapon Training	5	-	5	20	2	30 hours
		Unit 2: Weapon Training - Field craft, Battle craft, Patrolling and Field engineering	3	-	3			
		Unit 3: Weapons and Armaments	2	-	2			
		Unit 4: Field Reports	5	-	5			
		Unit 5: Lab Note Book	5	-	5			

Semester – V
(Duration: July – December)

Type	Paper	Units	Marks				Credit	Total Class Hours	
			End-Sem Exam	Internal Exam	Unit Total	Paper Total			
Theory	DSE-1AT	Unit 1: India's Defence Forces	8	2	10	55	4	60 hours	
		Unit 2: Defence Organizations in India	8	2	10				
		Unit 3: Army Organisation	8	2	10				
		Unit 4: Air Force Organisation	6	1	7				
		Unit 5: Navy Organisation	8	2	10				
	OR								
	DSE-1AT	Unit 1: Human Security	15	3	18	55	4	60 hours	
		Unit 2: Environment Security	15	3	18				
		Unit 3: Illegal Migration	15	2	17				
		Unit 4: Organised Crimes	10	2	12				
	SEC-3T	Unit 1: Organizations	10	3	13	50	2	30 hours	
		Unit 2: Infantry Weapon and Equipment	10	3	13				
		Unit 3: Military History	10	2	12				
		Unit 4: Communications	10	2	12				
	OR								
	SEC-3T	Unit 1: Orientation and Service Subjects	10	3	13	50	2	30 hours	
		Unit 2: Ship and Boat Modelling	10	3	13				
		Unit 3: Search and Rescue	10	2	12				
		Unit 4: Swimming	10	2	12				
	GE-1T	Unit 1: History of National Cadet Corps	9	2	11	55	4	60 hours	
Unit 2: Youth Organization		9	2	11					
Unit 3: Nationalist Movement in India:		9	2	11					
Unit 4: Military History:		9	2	11					
Unit 5: Introduction to Defence Services		9	2	11					
OR									
GE-1T	Unit 1: Conflict Resolution and Peace Building	9	2	11	55	4	60 hours		
	Unit 2: Nature of Conflict: Inter-State and Intra-State	9	2	11					
	Unit 3: Method of Conflict Resolution	9	2	11					
	Unit 4: Peace Building	9	2	11					
	Unit 5: Confidence Building Measures	9	2	11					
Practical	DSE-1AP]	Unit 1: Paper Clippings on Security related Issues and a Case Study Report thereon.	10	-	10	20	2	30 hours	
		Unit 2: Field Visit: Field Visit to a Place/Unit having importance on National Security and/or Strategic Defence.	5	-	5				
		Unit 3: Lab Note Book	5	-	5				
	GE-1P	Unit 1: Paper Clippings and Photographs of different NCC activities and Training Programme on Security related Issues and a Case Study Report thereon.	10	-	10	20	2	30 hours	
		Unit 2: Field Visit	5	-	5				
		Unit 3: Viva-voce	5	-	5				
	OR								
	GE-1P	Unit 1: Paper Clippings with issues relating to Conflict resolution and Peace Building	10	-	10	20	2	30 hours	
		Unit 2: Short Presentation/ Lecture	5	-	5				
Unit 3: Viva-voce		5	-	5					

Semester – VI
(Duration: January – June)

Type	Paper	Units	Marks				Credit	Total Class Hours
			End-Sem Exam	Internal Exam	Unit Total	Paper Total		
Theory	DSE-1BT	Unit 1: National Integration	15	3	18	55	6	90 hours
		Unit 2: Social Service and Community Development	10	3	13			
		Unit 3: Human Right	10	2	12			
		Unit 4: Aid to Civil Authority	10	2	12			
	SEC-4T	Unit 1: Topic on Current Affairs, General Awareness in National and International Significance	10	3	13	50	2	30 hours
		Unit 2: General Knowledge Syllabus & Topics of the Indian and World History along with Freedom Movement in India	10	3	13			
		Unit 3: General Knowledge and Current Affairs Topics on Indian Polity, Indian Constitution, Government, Government Policy and Political System	10	2	12			
		Unit 4: General Knowledge Questions on Environmental Science, Biodiversity and Ecology related Topics	10	2	12			
	GE-2T	Unit 1: Introduction to the Understanding of International Relations, Theories and Approaches	15	3	18	55	4	60 hours
		Unit 2: Diplomacy and Foreign Policy: Theoretical Background, Contemporary Issues in Indian Context	10	3	13			
		Unit 3: International Relation of India with its Neighbouring Countries (Pakistan, Bangladesh, Nepal, Sri Lanka, Bhutan and China)	10	2	12			
		Unit 4: End of Cold War and Emergence of New World Order (after 9/11/2001)	10	2	12			
Practical	DSE-1BP]	Unit 1: Paper Clippings on Security related Issues and a Case Study Report thereon.	10	-	10	20	2	30 hours
		Unit 2: Field Visit: Field Visit to a Place/Unit having importance on National Security and/or Strategic Defence.	5	-	5			
		Unit 3: Lab Note Book	5	-	5			
	GE-1P	Unit 1: Laboratory Note Book: Strategic Maps of India; India and her Neighbouring Countries; India and Indian States and Union Territories with Capital, Strategic Raw Materials, Defence Industries and Atomic Reactors	5	-	5	20	2	30 hours
		Unit 2: Short Presentation/ Lecture	5	-	5			
		Unit 3: Records	5	-	5			
		Unit 4: Viva-voce	5	-	5			

Programme Outcome:

Institutional training includes basic military training of the students as part of the curriculum, following the core values of NCC to mould young students into disciplined and responsible citizens of India. NCC course is aimed to achieve following learning objectives:-

- (a) Develop character, camaraderie, discipline, secular outlook, the spirit of adventure, sportsmanship and ideals of selfless service amongst cadets by working in teams, honing qualities such as self-discipline, self-confidence, self-reliance and dignity of labour in the students.
- (b) To create interest in students by including and laying emphasis on those aspects of Institutional Training which attract young students into the NCC and provides them an element of thrill and excitement.
- (c) To inculcate defence Services work ethos that is characterized by hard work, sincerity of purpose, honesty, ideal of selfless service, dignity of labour, secular outlook, comradeship, spirit of adventure and sportsmanship.
- (d) To create a pool of organized, trained and motivated youth with leadership qualities in all walks of life, who will serve the Nation regardless of which career they choose.
- (e) To provide conducive environment to motivate young Indians to choose the Armed Forces as a career.

Semester-I (75 marks)

DSC-1A: National Security, NCC, Indian Army – Organization ,National Integration & Awareness **Credits 06**

DSC-1AT: National Security, NCC, Indian Army – Organization ,National Integration & Awareness **Credits 04**

Course Objectives:

Students will be able to: -

- (a) Know about the history of NCC, its organization, and incentives of NCC for their career prospects.
- (b) Acquire knowledge of duties and conduct of ncc cadets.
- (c) Understand about different NCC camps and their conducts.
- (d) Understand the concept of national integration and its importance.
- (e) Understand the concept of self-awareness and emotional intelligence.
- (f) Understand the concept of critical & creative thinking.
- (g) Understand the process of decision making & problem solving.
- (h) Understand the concept of team and its functioning.
- (i) Understand the concept and importance of Social service

Expected Learning Outcomes:

After completing this course, the students will be able to: -

- (a) Imbibe the conduct of NCC cadets.
- (b) Respect the diversity of different Indian culture.
- (c) Practice togetherness and empathy in all walks of their life.
- (d) Do their own self-analysis and will work out to overcome their weakness for better performance in all aspects of life.
- (e) Understand creative thinking & its components.
- (f) Think divergently and will try to break functional fixedness.
- (g) Make a team and will work together for achieving the common goals.
- (h) Do the social services on different occasions.

Course Content:

Unit I : NCC organization

1. History of NCC, Aims and Objectives of NCC.
2. Organization & Training and NCC Song, Motto of NCC - Motivation of Cadets.
3. System of NCC Trainings. Incentives and benefits.
4. Awards, different types, Rank of officers and cadets.
5. Role of NCC Cadets in National programmes.
6. Opportunities of NCC Cadets in army and other services.
7. Camps, types of camps. Preparation and participation.

Unit II : National Integration and Awareness

1. Religions, Culture, Traditions and Customs of India.
2. National Integration: Importance and Necessity. Unity in diversity.
3. Freedom Struggle and Nationalist Movement in India.

4. National Interests, Objectives, Threats and Opportunities.
5. Problems / Challenges of National Integration.
6. National Integration Council.
7. Contribution of Youth in Nation Building.

Unit III: National Security Organizations

1. National Defence Policy.
2. Organization and Administration of defence.
3. Role of intelligence.
4. National security system.

Unit IV : Indian Army – Functional Organisations

1. Combat Branches-Infantry, Armoured.
2. Supporting Arms – Artillery including Air Defence, Engineers, Signals, Aviation.
3. Logistic Organisations – ASC, AOC, EME, AMC, ENGINEERS.
4. Other – Intelligence, Education, Legal.

Unit V : Drill

1. General and words of command.
2. Attention, stand at ease and stand easy, turning and inclining at the halt.
3. Sizing, forming up in three ranks and numbering, open and close order march and dressing.
4. Saluting at the halt, getting on parade, dismissing and falling out.
5. Marching, Length of pace and time of marching in quick time and halt, slow march and halt.
6. Side pace, pace forward and to the rear.
7. Turning on the march and wheeling.
8. Saluting on the march .
9. Marking time, forward March and halt in quick time.
10. Changing step.
11. Formation of squad and squad drill.
12. Guard of Honour and Ceremonial drill.

Course Objectives:

- (a) Understand that drill as the foundation for discipline and to command a group for common goal.
- (b) Appreciate grace and dignity in the performance of foot drill.
- (c) Understand the various social issues and their impact on social life.
- (d) Develop the sense of self-less social service for better social & community life.

Expected Learning Outcomes:

After completing this course, the students will be able to: -

- (a) Perform foot drill and follow the different word of command.
- (b) Perform the social services on various occasions for better community & social life.

Course Content:

1. Drill (Without arms) :

Drill without Arms : i) Savdhan (Attention), ii) Vishram (stand on easy), iii) Aram se (stand easy), iv) Tej Chal (quick march), v) Thum (halt), vi) Dahine Mur (Right turn), vii) Baen Mur (left turn), viii) Piche Mur (About turn), ix) Samne ka Salute, x) Patra ke sath Salute, xi) Line Tour (Falling out), xii) Visarjan (Dismiss).

2. Social Activity – any one

i) Tree plantation, ii) Blood Donation, iii) Participation in Social Awareness Programme, iv) Participation in Environment Awareness Programme, v) Participation in Health and Hygiene Awareness Programme.

3. Field reports: Students will be submitted a Field Reports on any Social Awareness Programme organized by the Institution.

4. Laboratory Note Book

Students will be required to maintain records of all works done in connection with the topics taught in this paper.

Semester-II

DSC-1B: Personality Development, Human Health, Social & Environmental awareness and Community Development. Credits 06

DSC1BT: Personality Development, Human Health, Social & Environmental awareness and Community Development. Credits 04

Course Objectives:

Students will be able to: -

- (a) Understand the thinking & reasoning process.
- (b) Understand the process to cope with Stress & emotions.
- (c) Understand the importance of improving communication skills.
- (d) Identify the leadership traits.
- (e) Admire the qualities of great leaders.
- (f) Know about different legal provisions for children & women safety and protection.
- (g) Understand the various rules & measures to be taken to ensure Road/Rail safety.
- (h) Understand & spread awareness about latest Government initiatives for welfare of citizens and contribute towards Nation building.

Expected Learning Outcomes:

After completing this course, the students will be able to: -

- (a) Define thinking, reasoning, critical thinking and creative thinking.
- (b) To think critically about different life related issues.
- (c) Think divergently and will try to break functional fixedness.
- (d) Creatively in their real-life problems.
- (e) Understand the organizations related to disaster management and their functioning.
- (f) Appreciate the role of NCC cadets in disaster management.

Course Content:

Module -I: Personality Development and Leadership

1. Personality Development introduction. Factors Influencing /shaping Personality: Physical, social, psychological and philosophical.
2. Self-Awareness – Know yourself/ Insight. Self Defense- Theory and practice, prevention of untoward incidence. Self defense mechanisms. Change your mind set.
3. Interpersonal relationship and communication.
4. Leadership Traits. Types of Leadership and perception. Effects of Leadership with historical examples. Attitude – Assertiveness and negotiation.
5. Time management. Stress management.
6. Importance of Group /Team Work.
7. Influencing Skills. Sociability: Social Skills. Values / Code of Ethics.

Module-II: Health and Hygiene

1. Structure & functioning of the human body. Hygiene & sanitation (Personal & Food hygiene). Physical & Mental Health. Infectious & Contagious Diseases & its prevention. Preventable diseases, fractures and types of treatments.
2. Basics of home nursing. First aids: methods and Practice. First aids in common medical emergencies. Snake bites. Wounds & Fractures. Dressing of wounds.
3. Yoga & Exercises – introduction. Role on physical and mental health.

Module-III: Environmental Awareness and Conservation

1. Natural Resources – Conservation & Management. Water Conservation & Rainwater harvesting. Waste Management.
2. Environment and ecology – pollution and its control; Water, Air, Noise and Soil. Wild life conservation. Energy Conservation.

Module-IV: Social Awareness and Community Development

1. Basics of Social Service, weaker sections of our society and their needs. Social / Rural Development Projects: MNREGA, SGSY, NSAP etc. NGOs: Role & Contribution. Social service – family planning.
2. Drug Abuse & Trafficking. Causes & Prevention of HIV/AIDS; Role of youth
3. Social Evils - Dowry/Female Foeticide /Child abuse & trafficking, etc. Provisions of Protection of Children from Sexual Harassment Act 2012.
4. Traffic Control Organization and Anti-drunken driving. Traffic rule and road signs.
5. Counter Terrorism. Corruption
6. Contribution of youth towards social welfare. Civic Responsibilities.
7. NCC cadets and civil administration.

Course Objectives:

- (a) Understand that drill as the foundation for discipline and to command a group for common goal.
- (b) Appreciate grace and dignity in the performance of foot drill.
- (c) Understand the importance of a weapon its detailed safety precautions necessary for prevention of accidents.
- (d) Develop awareness about different types of terrain and how it is used in battle craft.
- (e) Develop the concept of various markings on the map and how they are co-related to the ground features.
- (f) Understand the various social issues and their impact on social life.
- (g) Develop the sense of self-less social service for better social & community life.

Expected Learning Outcomes:

After completing this course, the students will be able to: -

- (a) Perform foot drill gracefully.
- (b) Give and follow the different word of command.
- (c) Perform basic First Aid.
- (d) Perform basic tactical exercises used by the military.

Course Content:

1. Drill :

Drill without Arms: i) Sizing, forming up in three ranks, numbering, open and close order march and dressing, ii) Getting on parade, dismissing and fall out, iii) Saluting at the halt, iv) Marching, length of space and time of marching, marching in quick time and halt, v) Turning at the march and wheeling, vi) Saluting at the march, vii) Side space, pace forward and to the rear, viii) Marking time, forward and halt in quick time and changing step, ix) Formation of squad and squad drill.

2. First Aids

- i. Principles of First aids.
- ii. First aids for Snake bite, Burns and Scalds, Drowning, Poisoning, Dog bite.

3. Tactical exercise without troops

- a. Sand model on the following: a) attack, b) defense
- b. Outline organization of infantry Battalion in Lab Note Book
- c. Chart showing Organization, weapons at equipments at platoon level
- d. Verbal order at platoon level
- e. Movement without arms and section battle drill
- f. Message writing

4. Field reports

Students will be submitted a Field Reports on any Health & Hygiene, / Environment Awareness Program organized by the Institution.

5. News paper clippings

News paper clippings on relevant defense related topics and a short essay on the basis of clippings to be produced.

6. Field visit: Field visit to defense establishment/ places of military interests.

Students will submit a field report.

7. Laboratory Note Book

Students will be required to maintain records of all works done in connection with the topics taught in this paper.

Semester-III

DSC-1C: Defense Organization, Military Geography, Military History, Field Craft & Battle Craft and Weapon Training Credits 06

DSC1CT: Defense Organization, Military Geography, Military History, Field Craft & Battle Craft and Weapon Training Credits 04

Course Objectives:

- (a) Learn about the Armed Forces and its Organizations.
- (b) Develop awareness about different types of terrain and how it is used in battle craft.
- (c) Develop the concept of various markings on the map and how they are co-related to the ground features.
- (d) Develop the concept of various markings on the map and how they are co-related to the ground features.
- (e) Apply signals in their day to day functioning.
- (f) Learn about the wars and battles fought by the Armed Forces.
- (g) Learn about Military War Heroes and their contributions to the Nation.
- (h) Acquire awareness about the various types of weapon systems in the Armed Forces.

Expected Learning Outcomes:

After completing this course, the students will be able to: -

- (a) Identify the different Defence organisations and their specific roles and tasks.
- (b) Identify a weapon effectively.
- (c) Undertake point to point navigation and take part in route marches by day and night.
- (d) Use terrain effectively for concealment, camouflage, indicate landmarks and give field signals.
- (e) Be motivated to join the armed forces.
- (f) Acquire adequate skill sets to overcome their weakness and enhance their personality.

Course Contents:

Module-I: Defense Organization of India

a) Principles of Defense Organization. Principles of defense organization and administration. **Reconstruction of Indian Armed Forces** - a) Indian armed forces under the British Rule, b) Reconstruction of Army after 1947, b) Reconstruction of Navy, c) Reconstruction of Air Force- Hierarchy of Higher Defense Organization of India of Present time. Hierarchy of Higher Defense Organization.

b) Indian Armed Forces : Basic organisation of Armed Forces. Strength, task & role of Indian armed forces. Organizational structure of Indian Army : Different Commands of Indian army. Static formation of army, field formation of army. Composition of Indian army: a) Organizational structure of an infantry battalion, b) Organizational structure of an Armoured regiment, c) Organizational structure of artillery Field Regiment.

c) Indian Navy: History, structure, organization, characteristics, command, support services, its role during war.

d) Indian Air Force: History, structure, organization, characteristics and Different commands of Indian Air Force: Limitation of Air Force role during war.

Module -II:

A. Organization of Supported Arms:

- a) **Paramilitary Forces:** Assam Rifles, Central Armed Police Forces, Special Frontier Forces. Central Reserve Police Forces (CRPF), Boarder Security Forces (BSF), Indo-Tibetan Boarder Police (ITBP), Shashastra Seema Bal (SSB),
- b) **Special Forces:** Special Frontier Forces, Central Industry Security Force (CISF).
- c) **Para Special Force [Para (SF)]:** Ghatak Force, Marine Commando (MARCOS), Guard Commando Force.
- d) **Other Protection Forces:** National Security Guards (NSG), Special Protection Group (SPG), Railway Protection Forces (RPF).
- e) **Second Line of Defense :** Indian Coast Guard, National Cadet Corps (NCC). Territorial Army

B. Military decoration of Indian army:

Badges of Ranks- Honours and Awards - Gallantry award - Doctrine, Corps and field forces - Concept of Integrated Defence staff- Modes of entry to army - Structural changes in Indian Defense Organization

Module -III: Military Geography

a) Introduction: Meaning, nature, scope and elements of Military Geography. Man and Environment. Role of geography in military application. Military geography in India and defense problem in relation thereto-role of geography in different warfare.

b) Evolution of Military Geography: a) History & Development. b) Founders of Military Geography - F. Ratzal, A.T. Mahan, c) Sir. Halfred Mackinder, Karl Haushofer, N.J. Spykman

c) Inter-State relations & Geographical factors: a) Frontiers and Boundaries of India - its meaning & differences types of borders and boundaries. b) Communication routes- land, sea and aerial- strategic scope. c) Population and Power

d) Geography and Foreign Policy of India: a) India's Geo-strategic significance, b) India's borders, c) Indian Ocean territory and strategic significance.

e) Applied Military Geography: Brief idea on a) Global Positioning System (GPS), b) Global Information System (GIS) and c) Remote Sensing.

Module -III: Map Reading

Theoretical aspects of Map Reading:

Introduction to different types of Maps, and Conventional Signs. Scales & Grid System. Topographical Relief features, Contours and Gradients - Cardinal points and Types of North - Types of bearings and use of Service Protractor - Prismatic compass and its use. Setting a Map - finding North and own position - Map to Ground, Ground to Map - Point to Point March – use of GPS.

Module -IV: Military History

a Definition, Concept, Significance to study Military history. Military system of India since Vedic era to modern India.. A brief survey of the military tradition of India. Weapon, Battle dress. Kautilya's philosophy of war organization and art of war, weapons and interstate relation. War pattern and tactics in different periods in India – a comparative study. Historiography of military history of India.

b Biographies of renowned Generals:

i. Niccolo Machiavelli (1469-1527), Giulio Douhet (1869 - 1930), Jorge Smith Patton (1885-1945), Bernard Law Montgomery (1887-1976), J. E. Rommel (1891-1944)

ii. Kodandera Madappa Cariappa (1899-1993), S.H.F.J. Manekshaw (1914-2008), Subrata Mukherjee (1911- 1960), Sundarilal Matharadas Nanda (1915-2009).

c Indian Army War Heroes – PVCs.

d. Study of the following important battles of India with its background, causes, results and its review: Battle of Panipath (1526AD), Battle of Plessey (1757AD), Battle of Chillianwalla (1849AD), Kashmir Conflict (1947), Operation of Mizo National Front (1966), Indo Pak war 1965, 1971, Operation Cactus (1988), Sri-Lanka Mission (1987-1990) & Kargil war (1999).

Module - V: Field Craft, Battle Craft

Introduction. Judging Distance and its methods. Description of ground. Recognition, description and indication of landmarks & targets. Observation, Camouflage and Concealment. Field Signals. Section Formations . Section Battle Drill. Fire fighting. Fire Control Orders. Fire and Movement. Knots and Lashings. Section Battle Drill.

Module -VI : Weapon Training

Theoretical aspects of Weapon Training:

1. Object of Weapon training . Types of weapons, parts, stripping and assembling of light guns. Characteristics of a rifle - rifle ammunition and its firepower. Rifle Mark III.
2. Stripping, assembling, care and cleaning and sight setting of .22 rifle.
3. Stripping, assembling, care and cleaning of 7.62mm SLR and its loading cocking and unloading.
4. Rules of Aiming. Firing position. The lying position, Holding& aiming.
5. Trigger control and firing a shot.
7. Range procedure and safety precautions.
8. Theory of Group and Snap shooting.
9. Short range firing, Aiming – Alteration of sight.
10. Rifle firing and follow up practice.
11. Parts of heavy weapons, stripping and assembling of heavy weapons.
12. Essentials of Good Shooting

Course Objectives:

- (a) Understand that drill as the foundation for discipline and to command a group for common goal.
- (b) Appreciate grace and dignity in the performance of foot drill.
- (c) Understand the importance of a weapon its detailed safety precautions necessary for prevention of accidents.
- (d) Develop awareness about different types of terrain and how it is used in battle craft.
- (e) Develop the concept of various markings on the map and how they are co-related to the ground features.

Expected Learning Outcomes:

After completing this course, the students will be able to: -

- (a) Perform foot drill, arms drill, ceremonial drill and will be able to give out different words of command.
- (b) Fire a weapon effectively with fair degree of marksmanship.
- (c) Undertake point to point navigation and take part in route marches by day and night.
- (d) Use terrain effectively for concealment, camouflage, indicate landmarks and give field signals.

Practical:

1. Drill with Arms:

- a. Getting on parade with rifle and dressing at the order.
- b. Dismissing and falling out.
- c. Ground / take up arms
- d. General salute, salami shastra
- e. Squad drill
- f. Short / long tail from the order and vice-versa
- g. Examine arms

2. Military History:

a. Prepare sand models of Battle formation of the following Battles:

- i) Battle of Plessey, 1757,
- ii) Battle of Chilianwala, 1849,
- iii) Three battles of Panipath,
- iv) Indo-Pak war of 1947, 1962, 1971,
- v) Kargil war, 1999.

b. Draw sketches on plan papers of the following Battles:

- i) Battle of Plessey, 1757,
- ii) Battle of Chilianwala, 1849,
- iii) Three battles of Panipath,
- iv) Indo-Pak war of 1947, 1962, 1971,
- v) Kargil war, 1999.

3. Map Reading:

1. Map – civil and military
2. Concept of military maps and map index
3. Topographical sheet
4. Scales and grid system
5. Conventional sign – civil and military
6. Compass : liquid prismatic compass – uses of compass during day and night
7. Location and identification of objects from ground to map and vice-versa
8. Preparation of night march chart
9. Preparation of weather chart
10. Field sketching, eye and memory sketching
11. Determination of visibility of survey maps of hilly region by comparing gradients and section drawing methods.

4. Field reports:

Students will submit a field report based on participation in a NCC camps.

5. Field visit: Field visit to military establishment for the demonstration of different weapons, armaments and weapon carriers. Students will submit a field report.

6. Laboratory note book

Students will be required to maintain records of all works done in connection with the topic taught in this paper.

Semester-IV

DSC-1D: Military Sociology, Military Psychology, Communication Process, Field Engineering, Weapon & Armaments and Adventure Trainings

Credits 06

Course Objectives:

- (a) Understand sociological and psychological aspects of Military Training.
- (b) Develop understanding of various types of communication systems used by the Defence Organisations.
- (c) Understand the role and importance of field engineering.
- (d) Develop awareness about different adventure activities.

Expected Learning Outcomes:

After completing this course, the students will be able to: -

- (a) Understand sociological and psychological aspects of Military Training.
- (b) Identify and use various types of communication systems used by the Defence Organisations.
- (c) Identify various tactical devices developed through field engineering.
- (d) Be motivated to partake in various adventure activities.

DSC1DT: Military Sociology, Military Psychology, Communication Process, Field Engineering, Weapon and Armaments and Adventure Trainings

Credits 04

Course Contents:

Module - I: Military Sociology:

- a) Study of Society, Social groups, social interaction: motivation, morality, Personality – Definition and determinants. Social aspects of war. Social effects of war. Post war social problems. Social background of military personnel of India.
- b) Armed Force and Society: Role of Indian Armed force society and inter-dependence, military aid to civil authorizes. Civil – Military relation in India.
- c) Indian Armed Forces and Disaster Management: Disaster – aims and objectives, Disaster management – meaning, concept, elements and preventive measures. War and disaster.
- d) Overseas bases and relations – peace keeping – anti piracy and exploration mission.
- e) Military Coups: causes and its consequences on society.
- f) Problem of ex-service men of India. Benefits of service for *Jawans* and Officers. One man one person demands. Role of women in Armed forces: contemporary trends.

Module - II: Military Psychology:

Military Psychology - Meaning, definition, historical development, role, aim and importance. Relevance of Psychology in the defense problems. Use of the psychology in the war and military use of Psychology. Application of the principles of psychology in the Military training. Personal adjustment factors in adjustment during army life, the recruits of adjustment to combat. Problem of adjustment and the problem of Re-adjustment of ex-soldiers.

Module - III: Communication process:

Communication- main elements, types and methods of communications, media. Communication systems- internet, Faxi mail, Satellites. Characteristics of Wireless Technology (Mobile, Wi Fi, etc). Characteristics of Walkie /Talkie. Basic Radio Telephony (RT) Procedure. Military Language. Latest trends and development (Multi Media, Video Conferencing, IT). Information system and type of information. Signals- introduction to radio, telephony procedure. Field signals. Air raid warnings.

Module - IV: Field Engineering:

Principles and applications, camouflage and concealment. Section formation. Mines and types of mines fields, anti tanks and explosive.

Module - V: Adventure Training:

Introduction to adventure Training, Planning Organization & Conduct. Cycle & Trekking Expeditions. Organization & Conduct of Sightseeing. Spirit of Mountaineering. Selection of camp site Layout & Sanitation in camp.

Module -VI: Weapon and Armaments

a. Evolution of arms and armaments in art of war.

b. **Modern weapons** - Small Arms - Theories of small arms. History, characteristics, design, variant, operating mechanism and military significance of following common arms used in Indian Army: Glock, Mouser, IM1 Galil sniper. .22 Rifle, .303 Rifle, 7.62 Self Loading Rifle . INSAS, LMG, 5.56 mm Rifle. Light Machine Gun (LMG).Multi caliber Individual Weapon System (MCIWS). Modern Submachine Carbine (MSMC), Artillery : Artillery Gun, No 35 HE Grenade, 2 inch Mortar. 40mm L-60 and L-70 BOFFORS GUN. DRDO 155 mm artillery gun, Dhanush Howitzer Indian Fields Gun. Shell and Ammunition: Explosive, Rockets and Mortar- Properties & Types. Missiles: Concept, characteristics, types. Anti Tank : Brief idea. Nuclear explosive: History, uses, effects, science for formation of nuclear bomb.

Weapon Carriers: Characteristics, mechanisms of operation, fire power and military importance of following: Land war weapon carrier, Naval war weapon carrier, Air war weapon carrier, Strategic transport aircraft, Tactile transport aircraft. Military Glider, Military Helicopter Fighter airplane, Bomber, Fighter- Bomber Airplane.

Weapons of Mass Destruction - Chemical & Biological Weapons: concept, characteristics and , uses. Nuclear weapons: Nuclear Command Authority in India. Strategic forces command, Indian land based nuclear armed ballistic missile, : Indian Sea based nuclear armed ballistic missiles, Nuclear armed cruise missiles. Air Defense: Brief idea.

Course Objectives:

- (a) Understand that drill as the foundation for discipline and to command a group for common goal.
- (b) Appreciate grace and dignity in the performance of foot drill.
- (c) Understand the importance of a weapon its detailed safety precautions necessary for prevention of accidents.
- (d) Develop awareness about different types of terrain and how it is used in battle craft.
- (e) Develop the concept of various markings on the map and how they are co-related to the ground features.

Expected Learning Outcomes:

After completing this course, the students will be able to: -

- (a) Perform foot drill, arms drill, ceremonial drill and will be able to give out different words of command.
- (b) Fire a weapon effectively with fair degree of marksmanship.
- (c) Undertake point to point navigation and take part in route marches by day and night.
- (d) Use terrain effectively for concealment, camouflage, indicate landmarks and give field signals.

Course Content:**a) Weapon Training**

Stripping as aiming & Sight setting of Rifle. Lying position 'and hold', including bolt manipulation. Trigger control and firing a shot. Aiming, Range figures targets-Range procedure and safety precautions. Alteration of Sight and firing shots. Firing in different wind conditions. Range classification firing.

On Guard hip firing. The point 2 point. Training stick (Self defense & attack).

LMG - Stripping, assembling, piston group and barrel. LMG - Loading, unloading, Sight, aiming and holding.

b) Weapon Training - Field craft, Battle craft, Patrolling and Field engineering:

1. Judging distance and indication of targets.
2. Camouflage & Concealment
3. Fire discipline & Fire control order.
4. Observation and Concealment exercise.
5. Simple Verbal orders.
6. Field Signals
7. Section battle drill.

c) Weapons and Armaments:

1. Demonstrate following arms: .22 Rifles, .303 Rifles, Self Loading Rifles, INSAS LMG 5.56 mm, LMG, Sten Machine Carbine. Pistol & Revolvers. No 36 HE Grenade, Artillery Gun, Air Defense Gun.

Students will require drawing and explaining the important stages of mechanisms of the above weapons.

2. Students will be required to draw sectional diagrams showing the parts connected

with the mechanisms of movements and firing of Tanks.

d) Project: Project report will be based on Field visit to military establishment/ places of military interests.

e) Laboratory Note Book and Viva Voce:

Students will be required to maintain records of all works done in connection with the topic taught in this paper.

Semester-V

Semester-V

Discipline Specific Elective (DSE)

DSE-1A: India's Defence Mechanism

Credits 06

DSE1AT: India's Defence Mechanism

Credits 04

Course Objectives:

- (a) Learn about the Armed Forces and its Organizations.
- (b) Learn about the Indian Army its activities in detail.
- (c) Learn about the Indian Navy its activities in detail.
- (d) Learn about the Indian Air Force and its activities in detail.

Expected Learning Outcomes:

After completing this course, the students will be able to: -

- (a) Identify the different Defence organisations and their specific roles and tasks.

Course contents:

Unit I: India's Defence Forces

- a) Rank Structure of three Services
- b) Recruitment Methods of three Services
- c) Important Training Institutions of three Services
- d) Second Line of Defence(Introduction to Paramilitary Forces, in brief)

Unit II:Defence Organizations in India

- a) Power of President of India in relation to Defence
- b) Role and Functions of Ministry of Defence, Government of India
- c) Composition and Function of Defence Committee/National Security Council(NSC)
- d) Chief of Staff (COS) and Joint Service Organization

Unit III:Army Organization

- a) Organization of Army Headquarter(Role of Chief of Army Staff(COAS) and Principal Staff Officers(PSOs)
- b) Static and Field Formation of Indian Army
- c) Arms and Services

Unit IV:Air Force Organization

- a) Organization of Air Force Headquarter;
- b) Role of Chief of Army Staff(COAS) and Principal Staff Officer(PSOs)
- c) Static and Field Formation of Indian Air force

Unit V:Navy Organization

- a) Organization of Air Force Headquarter
- b) Role of Chief of Army Staff(COAS) and Principal Staff Officer(PSOs)
- c) Static and Field Formation of Indian Navy

DSE1AP: Practical

Credits 02

Course Objectives:

- (a) Develop an awareness on Security threats and related issues in the country.
- (b) Visit a Place/Unit having importance on National Security and/or Strategic Defence to gain an understanding of the defence services.

Expected Learning Outcomes:

After completing this course, the students will be able to: -

- (a) Become aware of the security issues in the nation.
- (b) Learn about the workings of a Defence organization.
- (c) Become aware of various social issues.

Course contents:

1. Paper Clippings on Security related Issues and a Case Study Report thereon.
2. Field Visit: Field Visit to a Place/Unit having importance on National Security and/or Strategic Defence.
3. Laboratory Note Book: Sand Model on Human Security/ Illegal Migration/Organised Crime.

Suggested Readings:

- Government of India (1924):The Army of India and its Evolution, Calcutta
- Ministry of Defence, Government of India, Indian Arm Forces, Year Book(Annual)
- Palit, D. K. (1989):Essentials of Military Knowledge, New Delhi
- Singh Nagendra (1967): Defence Mechanism of Modern State, New Delhi
- Venkateswaran A. L. (1967): Defence Organizationin India, New Delhi

Or

DSE-1A: Non Traditional Security Threats

Credits 06

DSE1AT: Non Traditional Security Threats

Credits 04

Course Objectives:

- (a) Develop an awareness on Security threats and related issues in the country.
- (b) Develop an awareness on environmental threats and issues in the country.
- (c) Develop an awareness on various social issues.
- (d) Understand the concept of Organised crimes and how it affects the country and its citizens.

Expected Learning Outcomes:

After completing this course, the students will be able to: -

- (a) Become aware of the security issues in the nation.
- (b) Become aware of various environmental and social issues.

Unit I: Human Security; Definition, Meaning, Concept, Threats & Challenges in the Indian Context

Unit II: Environment Security: Definition, Meaning, Concept and Contemporary Issues in the Indian Context

Unit III: Illegal Migration: Definition, Meaning, Concept and Contemporary Issues in the Indian Context

Unit IV: Organised Crimes: Definition, Meaning, Concept, Recent Trend in the Indian Context

Course Objectives:

- (a) Develop an awareness on Security threats and related issues in the country.**
- (b) Visit a Place/Unit having importance on National Security and/or Strategic Defence to gain an understanding of the defence services.**

Expected Learning Outcomes:

After completing this course, the students will be able to: -

- (a) Become aware of the security issues in the nation.**
- (b) Learn about the workings of a Defence organization.**
- (c) Become aware of various social issues.**

Course contents:

1. Paper Clippings on Security related Issues and a Case Study Report thereon.
2. Field Visit: Field Visit to a Place/Unit having importance on National Security and/or Strategic Defence.
3. Laboratory Note Book: Sand Model on Human Security/ Illegal Migration/Organised Crime.

Suggested Readings:

- Joakim Palme, Kristof Tamas (2006): Globalizing Migration Regime: New Challenges to Transnational Cooperation
- Moufida Goucha, John Crowley (2008): Rethinking Human Security
- Shahrbanou Tadjbakhsh, Anuradha M. Chenoy (2007): Human Security: Concepts and Implications, Rutledge Advances and International Relations and Global Politics
- Richard A Matthew and John Barnett Bryan Macdonald and Karen L. O'Brien (2010): Global Environmental Change and Human Security
- Kimberley L. Thachuk (2007): Transitional Threats; Smuggling and Trafficking in Arms, Drugs and Human Life
- Lal Marie (2008): The Geopolitics of Energy in South Asia, Institute of Southeast Asian Studies, Singapore
- Leena (2000): Energy Infrastructure; Priorities, Constraints and Strategies for India, Oxford

Skill Enhancement Course (SEC)

SEC-3:Armed Forces (Specialized Subject)

Credits 02

SEC3T:Armed Forces

Course Objectives:

- (a) Learn about the Armed Forces and its Organizations.**
- (b) Learn about various weapons and equipment used by the Armed Forces.**
- (c) Learn Military History and gain awareness about the lives and stories of various war heroes.**
- (d) Learn about the various communication methods utilized by the defence organisations.**

Expected Learning Outcomes:

After completing this course, the students will be able to: -

- (a) Identify various organizations of the Armed Forces and their roles and tasks.**
- (b) Identify different types of weapons used by the armed forces and their handling.**
- (c) Know about the war heroes and their sacrifice and contributions towards the nation.**
- (d) Identify and use various communication equipment used by the armed forces.**

Course contents:

Unit I: Organizations

- a) Basic Organizations of Armed Forces
- b) Organization of Army
- c) Badges and Ranks

Unit II:Infantry Weapon and Equipment

- a) Characteristics of Rifle and 7.62 mm SLR,
- b) Ammunition, Fire Power, Stripping, Assembling and Cleaning

Unit III:Military History

- a) Biographies of Renowned Generals
- b) Indian Army War Heroes-PVCs

Unit IV: Communications

- a) Types of Communications
- b) Characteristics of Wireless Technology (Mobile, WiFietc)

Or

SEC-3: Indian Navy (Specialized Subject)

Credits 02

SEC3T:Indian Navy

Course Objectives:

- (a) Learn about the Indian Navy and its Organizations.
- (b) Learn about various ships and boats used by the Indian Navy.
- (c) Learn about Search and Rescue.
- (d) Learn about swimming.

Expected Learning Outcomes:

After completing this course, the students will be able to: -

- (a) Identify various organizations of the Indian Navy and their roles and tasks.
- (b) Identify different types of ships and boats used by the Indian Navy.
- (c) Build ship and boat models.
- (d) Perform basic search and rescue operations.
- (e) Learn about basic swimming techniques.

Course contents:

Unit I: Orientation and Service Subjects

- a) History of Indian Navy- In Pre and Post Independent India, Gallantry Award Winners
- b) Organization of Navy Head Quarter- Commands, Fleets, Ships and Shore Establishment
- c) Types of Warships and their Role
- d) Ranks of Officers and Sailors, Equivalent Ranks in other Services

Unit II: Ship and Boat Modelling

- a) Principle of Ship Modelling
- b) Maintenance of Care of Tools

Unit III: Search and Rescue

SAR Organization in the Indian Ocean

Unit IV:Swimming

Floating for Three Minutes and Free Style Swimming

Suggested Readings:Newspapers; Journals; Magazines

Generic Elective(GE)

GE- 1:Introduction to the History of National Cadet Corps (NCC) Credits 06

GE1T:Introduction to the History of National Cadet Corps (NCC)

Credits 04

Course Objectives:

Students will be able to: -

- (a) Know about the history of NCC, its organization, and incentives of NCC for their career prospects.**
- (b) Acquire knowledge of duties and conduct of ncc cadets.**
- (c) Understand about different NCC camps and their conducts.**
- (d) Understand the concept of national integration and its importance.**
- (e) Acquire knowledge about the Nationalist Movement in India.**
- (f) Learn Military History and the biographies of various war heroes.**
- (g) Understand about the Defence organisations, their roles and tasks.**

Expected Learning Outcomes:

After completing this course, the students will be able to: -

- (a) Imbibe the conduct of NCC cadets.**
- (b) Respect the diversity of different Indian culture.**
- (c) Practice togetherness and empathy in all walks of their life.**
- (d) Do their own self-analysis and will work out to overcome their weakness for better performance in all aspects of life.**
- (e) Understand creative thinking & its components.**
- (f) Think divergently and will try to break functional fixedness.**
- (g) Make a team and will work together for achieving the common goals.**
- (h) Do the social services on different occasions.**
- (i) Identify various organizations of the Armed forces and their roles and tasks.**
- (j) Be motivated to join the Armed Forces**

Course contents:

Unit I: History of National Cadet Corps: National Cadet Corps of Independent India, The National Cadet Corps Act 1948, Motto of NCC, Aims and Objectives, Emblem, National Flag, NCC Song, Organisation of NCC- Army, Navy, Air Force, Training Organization

Unit II: Youth Organization: Introduction, Importance, Association of our Great Leaders with Youth Organization- Mahatma Gandhi, Jawaharlal Nehru, Netaji Subhas Chandra Bose, Sardar Ballabh Bhai Patel

Unit III: Nationalist Movement in India: Formation of Indian National Congress, Jalianwalabagh Massacre, Non-Cooperation Movement, Simon Commission, Civil Disobedience Movement, Quit India Movement, Emergence of Independence Day and Republic Day

Unit IV: Military History: Great Military Leaders: Maharana Pratap, Chhatrapati Shivaji, Tipu Sultan, Rani Lakshmi Bai, **Famous Battle/War:** Sepoy Mutiny, World War I and II, Ind-Pak War, 1948, 1965, 1971, and 1999, Sin-Indian War 1962

Unit V: Introduction to Defence Services: Army, Navy and Air Force; Organization Structure of NCC Organizations (COY, Battalion, Group, Directorate);NCC as a path to Career Building.

GE1P: Practical

Credits 02

Course Objectives:

- (a) Develop an awareness on NCC activities and training programme.
- (b) Visit a Place/Unit having importance on National Security and/or Strategic Defence to gain an understanding of the defence services.

Expected Learning Outcomes:

After completing this course, the students will be able to: -

- (a) Become aware of various NCC activities and training programmes.
- (b) Learn about the workings of a Defence organization.
- (c) Become aware of various social issues.

Course contents:

1. Paper Clippings and Photographs of different NCC activities and Training Programme son Security related Issues and a Case Study Report thereon.
2. Field Visit: Report on Field Visit to a Place/Unit having importance on NCC activities and Training.
3. VIVA VOCE

Suggested Books/ Readings

- NCC Cadet Hand Book
- V. Longer: Youth In Step
- NCC Common Subject
- Lt G. D. Singh, Pvsm, Vsm: Field Marshal S. Manekshaw (Soldiering With Dignity)

Or

GE- 1: Conflict Resolution and Peace Building

Credits 06

GE1T:Conflict Resolution and Peace Building

Credits 06

Course Objectives:

- (a) Understand Conflict and conflict resolution methods.
- (b) Understand the importance of peace-keeping missions.

Expected Learning Outcomes:

After completing this course, the students will be able to: -

- (a) Become aware of the concept of conflict and significance of conflict resolution.
- (b) Understand the different types of conflicts and their causes.
- (c) Become aware of various social issues.

Course contents:

UNIT I: Conflict Resolution and Peace Building: Concept and Significance

UNIT II; Nature of Conflict: Inter-State and Intra-State

UNIT III: Method of Conflict Resolution

- a) Pacific Methods
- b) Coercive Methods

UNIT IV: Peace Building: Legal, Regional and International Perspective

UNIT V: Confidence Building Measures; Concept and Techniques; Conflict Resolution and Peace Building: Role of IGOs, Role of NGOs and Role of UN

GE1P: Practical

Credits 02

Course contents:

1. Paper Clippings with issues relating to Conflict resolution and Peace Building
2. Short Presentation/ Lecture
3. VIVA VOCE

Suggested Books/ Readings

1. Barash, D. P (2014): Approaches to Peace: A Reader in Peace Studies, Oxford University Press.
2. Garnett, J (1970): Theories of Peace and Security, Palgrave Macmillan, London
3. Galtung, J (1996): Peace by Peaceful Means: Peace and Conflict Development and Civilixzation, Sage Pub
4. Kadloor, S (2015): Conflict Resolution and Peace Building
5. Murty, K. S (1986) : quest for Peace, Ajanta Pub , New Delhi
6. Ursula, O (ed.) (2000): Peace Studies from Global Perspective, Maadhyam Books, New Delhi
Veena, Kukreja: Contemporary Pakistan, Political Processes, Conflict and Cases

Discipline Specific Elective (DSE)

DSE-1B: Role of NCC in Nation Building

Credits 06

DSE1BT: Role of NCC in Nation Building

Credits 06

Course Objectives:

- (a) Understand the concept of national integration and its importance.
- (e) Understand the concept of self-awareness and emotional intelligence.
- (f) Understand the concept of critical & creative thinking.
- (g) Understand the process of decision making & problem solving.
- (h) Understand the concept of team and its functioning.
- (i) Understand the concept and importance of Social service
- (j) Understand Human Rights.
- (j) Understand the role of NCC in Disaster Management.

Expected Learning Outcomes:

After completing this course, the students will be able to: -

- (a) Respect the diversity of different Indian culture.
- (c) Practice togetherness and empathy in all walks of their life.
- (d) Do their own self-analysis and will work out to overcome their weakness for better performance in all aspects of life.
- (e) Understand creative thinking & its components.
- (f) Think divergently and will try to break functional fixedness.
- (g) Do the social services on different occasions.

Unit 1: National Integration:

- a) Concept, Importance, Religion, Culture, Tradition and Customs of India,
- b) National Interests and National Threats,
- c) Problems and Challenges of National Integration-Social Disparity, Linguistic, Fanaticism, Casteism, Regionalism, Communalism, Economic inequalities-Poverty, Unemployment, Growth of Population, Corruption;
- d) Opportunities- Defence & Police Force, National Games
- e) NCC's Role in Unifying India

Unit 2: Social Service and Community Development

- a) Introduction, Weaker Section of Society and their Needs
- b) Contribution of NCC towards Social Welfare

- c) NGO's Role and Contribution

Unit 3: Human Rights

- a) Fundamental Rights, Duties of Citizen;
- b) Human Right Organizations;
- c) Rural Development Programmes: MGNREGA, SGSY, JGSY, IAY, NASP, PMGSY
- d) Contribution of NCC towards Community Development

Unit 4: Aid to Civil Authority

- a) Disaster Management: introduction, Types of Natural Disaster, Role of NCC in various Disasters
- b) Civil Defence, Organization of Civil Defence; Role of NCC;
- c) Fire Fighting-Fire Fighting Equipments, Role of NCC
- d) Role of NCC in Traffic Control

Suggested Books/ Readings:

- NCC Cadet Hand Book
- V. Longor: Youth In Step
- NCC Common Subject
- Lt G. D. Singh, Pvsm, Vsm: Field Marshal S. Manekshaw (Soldiering With Dignity)

Skill Enhancement Course (SEC)

SEC-4: Current Affairs and General Studies

Credits 02

SEC4T: Current Affairs and General Studies

Credits 02

Course Objectives:

- (a) **Study Current affairs topics on Indian Polity, Indian Constitution, Government, Government Policy and Political System, and general awareness of issues with National and International Significance.**

Expected Learning Outcomes:

After completing this course, the students will be able to: -

- (a) **Gain a general understanding of current affairs of National and International significance.**

Course contents:

Unit I: Topic on Current Affairs, General Awareness in National and International Significance

Unit II: General Knowledge Syllabus & Topics of the Indian and World History along with Freedom Movement in India

Unit III: General Knowledge and Current Affairs Topics on Indian Polity, Indian Constitution, Government, Government Policy and Political System

Unit IV: General Knowledge Questions on Environmental Science, Biodiversity and Ecology related Topics

Suggested Readings:

- Newspapers; Journals; Magazines

Generic Elective (GE)

GE- 2: International Relations

Credits 06

Course Objectives:

(a) Study International Relations and its significance.

Expected Learning Outcomes:

After completing this course, the students will be able to: -

- (a) Gain a general understanding of International Relations.
- (b) Identify India's neighbouring countries and India's relations with these countries.

GE2T: International Relations

Credits 04

Course contents:

Unit I: Introduction to the Understanding of International Relations, Theories and Approaches

Unit II: Diplomacy and Foreign Policy: Theoretical Background, Contemporary Issues in Indian Context

Unit III: International Relation of India with its Neighbouring Countries (Pakistan, Bangladesh, Nepal, Sri Lanka, Bhutan and China)

Unit IV: End of Cold War and Emergence of New World Order (after 9/11/2001)

GE2P: Practical

Credits 02

Course contents:

1. Laboratory Note Book: Strategic Maps of India: India and her Neighbouring Countries; India and Indian States and Union Territories with Capital, Strategic Raw Materials, Defence Industries and Atomic Reactors
2. Short Presentation/ Lecture
3. Records
4. VIVA VOCE

Suggested Books/ Readings

- Aron, Raymond (2003) Peace and War: A Theory of International Relations, Transaction Publishers
- Coulombis, T. A and Wolfe, W. H. (1986): International Relations: Power and Justice,

Prentice Hall, New Jersey

- Kumar Mahendra (2017): Theoretical Aspects of International Politics, Shivlal Agarwala and Co , New Delhi.
- Frenkel Joseph (1968): Making of Foreign Policy: An Analysis of Decision Making, Oxford University Press, London
- Calvocoressi, Peter (2008): World Politics Since 1945, 9th Edition, Longman
