



COOCH BEHAR PANCHANAN BARMA UNIVERSITY

'ANCHANAN NAGAR, VIVEKANANDA STREET, COOCH BEHAR – 736101

4 Year Under Graduate Degree (Honours) in NCC

SYLLABUS FOR 3-YEARS DEGREE IN NCC BASED ON NEP 2023

As per the guideline of the NEP 2020 undergraduate Program, a new curriculum has been formulated for 4 year under graduate course in NCC for the affiliated colleges under the Cooch Behar Panchanan Barma University.

Syllabus Structure of NCC (Major) based on 4YUGP 2023:

Year	Semester	Major	Topics
1 st	I	Major 1	Introduction to NCC
	II	Major 2	Social Service & Community Activities
2 nd	III	Major 3	National Integration and Indian freedom struggle
		Major 4	Personality Development and Social Awareness
	IV	Major 5	Military History of India and Health and Hygiene
		Major 6	Waste management
3 rd	V	Major 7	Introduction to Basic Infantry, Armored and Artillery Weapons and Equipments.
		Major 8	Basic Organizations of Indian Armed Forces and Environmental Awareness and conservations.
		Major 9	Modes of Entry in Indian Armed Forces and introduction to Agnipath Scheme.
	VI	Major 10	Map Reading and Study of life of selected Gallantry Award winner.
		Major 11	Introduction to FCBC and Awards and decorations of the Indian Armed Forces.
		Major 12	Disaster Management and Introduction to NDRF and Civil Defense.

Question Pattern for Theoretical examination (50 Marks):

Sl. No	Question to be answered	Out Of	Marks of each question	Total Marks
1	5	10	2	10
2	5	10	4	20
3	2	4	10	20

Course Objective:

According to this curriculum, the 1st year course containing two semesters have been proposed. The 1st SEM will have one Major and one Minor course with one MDC and SEC. A course AEC is a compulsory course for undergraduate students. The new curriculum offers essential knowledge and technical skills to the students about NCC.



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The objective of the present NCC course is to develop character, comradeship, discipline, secular outlook, the spirit of adventure and ideals of selfless service amongst students. Furthermore, it will create a pool of organized, trained and motivated youth with leadership qualities, who will serve the nation regardless of which career they choose. Needless to say, the NCC also provides an environment conducive to motivating young Indians to join the armed forces.

This course covers both classroom and practical sessions. The students will be engaged in participatory and interactive activities. Candidates with curiosity in discipline life and environment and love in adventure and want to select his/her future in armed forces can choose this course

Course Outcome:

- Students will be aware about the basics of NCC and its importance in national aspects.
- Development of leadership quality, better communication skill and social awareness among students.

Course: Major- I

Paper Title: Introduction to NCC

Paper Code: NCC-MAJ 1

Objectives: To learn about the basic structure of NCC and its importance in national aspects.

Theory (Total Credit – 04)

NCC general: Aims, Objectives, and Incentives of NCC, Duties of NCC, NCC Camp: Types and Conduct.

National Integration & Awareness: National Integration: Importance, necessity, & factors affecting national integration. Unity in Diversity, and threats to national security.

Personality Development-1: Factors, self awareness, empathy, critical and creative thinking, decision making and problem solving.

Practical (Total Credit – 02)

Practical Contents: Drill, Field Craft & battle craft (FCBC).

Project:

Participate in any social awareness activities as NCC cadet during the semester. Student should make a detail project report with photographs and submit to the college.

Course: Major- II

Paper Title: Social Service & Community Activities

Paper Code: NCC-MAJ 2

Objectives: Induction of leadership trait, personality development among the students and develop social awareness.



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Theory (Total Credit – 04)

Personality Development-2: Communication skills, Group discussion: Coping with stress with emotions.

Leadership-1: Leadership capsules: Traits, indicators, motivation, moral values, honor code, case studies (Shivaji, Jhansi Ki Rani, Dr APJ Abdul Kalam, Netaji Subhas Chandra Bose, and Swami Vivekananda).

Social service and Community Development-2: Protection of children & women safety, road/rail travel safety, new initiatives, cyber and mobile security awareness.

Practical (Total Credit – 02)

Practical Contents: Drill, Map reading (MR), Basics of Weapon Training (WT).

Project:

Participate in any social awareness activities as NCC cadet during the semester. Student should make a detail project report with photographs and submit to the college.

Internship: (Any one topic)(Credit-4) (To be carried out at 2nd semester)

1. Visit to army establishment and interaction with army officers and seniors JCOs for SSB interview.
2. Infantry BN display of 4(B) arms/ similar weapons of other regiments like artillery/ mechanized/AAD etc.
3. Visit to AF Hashimara.
4. Border visit with BSF.
5. Forest Visit.
6. Fire fighting training with fire brigade.
7. Disaster Management training with Civil Defense.
8. First aid training at Hospital.
9. Traffic Management training with Local police.

Student should make a detail report with photographs and submit to the college.

Course: Major- III

Paper Title: National Integration and Indian freedom struggle

Paper Code: NCC-MAJ3

Program Objective:

According to this curriculum, the 2nd year course containing two semesters have been proposed. The SEM- III contains two major papers, Major – III and Major – IV. Paper Major – III deals with national integration and Indian freedom struggle. Important events of Indian freedom struggle



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from 1857 to 1947 were included in this paper, which includes Indian Rebellion of 1857, Partition of Bengal, 1905, Non cooperation movement, 1920, Civil Disobedience 1930, Quite India Movement, 1942, Royal Indian Navy Mutiny 1946. The paper also deals with prominent personalities involved in Indian Freedom Struggle as well as problem, challenges and threats of national integration.

This course covers both classroom and practical sessions. The students will be engaged in participatory and interactive activities. Candidates with curiosity in discipline life and environment and love in adventure and want to select his/her future in armed forces can choose this course

Program Outcome:

- Enhance knowledge of the students about national integration and Indian freedom struggle.

Theory (Total Credit – 04)

Freedom Struggle and Nationalist movement in India: The Indian Rebellion of 1857, Partition of Bengal, 1905, Non cooperation movement, 1920, Civil Disobedience 1930, Quite India Movement, 1942, Royal Indian Navy Mutiny 1946.

Prominent Personalities involved in Indian Freedom Struggle – Case study: Raja Rammohon Roy, Rabindranath Thakur, Mangal Panday, Bhagat Singh, Mahatma Ghandhi, Bhim Rao Ambedkar, Thakur Panchanan Barma, Mastar Da Surya Sen, Sri Arabindo Ghosh, Khan Abdul Gaffar Khan.

Problem and Challenges of National Integration: Problem of National Integration and its solution.

Challenges of National Integration and its solution. Threats of National Integration and its solution.

Practical (Total Credit – 02)

Practical Contents: Drill, Map reading (MR), Basics of Weapon Training (WT). Attendance of at least one NCC camp is expected from the students. Extra marks may be given to them.

Project:

Participate in any social awareness activities as NCC cadet separately for Major – III during the semester. Student should make a detail project report with photographs and submit to the college.



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Course: Major- IV

Paper Title: Personality Development and Social Awareness

Paper Code: NCC-MAJ4

Program Objective:

According to this curriculum, the 2nd year course containing two semesters have been proposed. The SEM- III contains two major papers, Major – III and Major – IV. Paper Major – IV deals with the personality development of the student and development of social awareness among them. This paper emphasised on interpersonal relationship and communication, time management, social skills and interview skills, team work, carrier counselling, SSB interview, public speaking, values and code of ethics. In the social awareness portion, various rural development schemes run by Government of India are carefully and elaborately elucidated to the students.

This course covers both classroom and practical sessions. The students will be engaged in participatory and interactive activities. Candidates with curiosity in discipline life and environment and love in adventure and want to select his/her future in armed forces can choose this course

Program Outcome:

- To develop the personality of students as well as aware them about their social responsibilities.

Theory (Total Credit – 04)

Personality Development: Interpersonal relationship and communication, Time management, Social skills and interview skills, Team work, Carrier counselling, SSB interview, Public Speaking, Values and code of ethics.

Social Awareness: Rural Development programs of India, NGOs – role and contribution, Drug abuse and trafficking, Corruption, Social Evils – Dowry, female foeticide, child abuse, 'Swachha Bharat Abhijan', 'Beti Padhao Beti Bachao', 'Digital Awareness', 'Waste Management (Both solid and liquid waste)', 'Tree Plantation', 'Traffic awareness',

Practical (Total Credit – 02)

Practical Contents: Drill, Map reading (MR), Basics of Weapon Training (WT) and. Attendance of at least one NCC camp is expected from the students. Extra marks may be given to them.

Project:

Participate in any social awareness activities as NCC cadet separately for Major – IV during the semester. Student should make a detail project report with photographs and submit to the college. Attendance of at least one NCC camp is expected from the students. Extra marks may be given to them.



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Course: Major- V

Paper Title: Military History of India and Health and Hygiene

Paper Code: NCC-MAJ5

Program Objective:

The SEM- IV contains two major papers, Major – V and Major –VI. Paper Major – V deals with military history of India and health and hygiene. The military history of India includes Indo-Pak war, Indo-China war, Biographies of Field Marshal SAM Maneksha and Field Marshal K M Cariappa and Gallantry and Non Gallantry awards of Indian armed forces as well as important Operations of Indian Army. The hygiene and sanitation includes personal and food hygiene, basics of home nursing and first aid in common medical emergencies, wounds and fractures etc. This course covers both classroom and practical sessions. The students will be engaged in participatory and interactive activities. Candidates with curiosity in discipline life and environment and love in adventure and want to select his/her future in armed forces can choose this course

Program Outcome:

- Enhance knowledge of the students about Military History of India and Health and Hygiene.

Theory (Total Credit – 04)

Military History: Study of Battles of Indo-Pak war 1947, 1965, 1971, 1999. Indo-China war 1962. Biographies of Field Marshal SAM Maneksha and Field Marshal K M Cariappa. Gallantry and Non Gallantry awards of Indian armed forces – detail study. Operation Meghdoot (1984); Operation Cactus (1988), Operation Pawan (1987).

Health and Hygiene: Hygiene and sanitation (personal and food hygiene), basics of home nursing and first aid in common medical emergencies, wounds and fractures. Camp hygiene, AIDS, STDs- cause, causative agents and precautions. Common communicable and non communicable diseases – name and causative agents only.

Practical (Total Credit – 02)

Practical Contents: Drill, Map reading (MR), Basics of Weapon Training (WT), FCBC and basic OBS. Attendance of at least one NCC camp is expected from the students. Extra marks may be given to them.

Project:

Participate in any social awareness activities as NCC cadet separately for Major – V during the semester. Student should make a detail project report with photographs and submit to the college. Attendance of at least one NCC camp is expected from the students. Extra marks may be given to them.



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Course: Major- VI

Paper Title: Waste management

Paper Code: NCC-MAJ6

Program Objective:

The SEM- IV contains two major papers, Major – V and Major –VI. Major – VI deals principles of waste management, history of waste management, waste handling and transport, hazards of waste management, disposal methods, recycling, re-use of waste-biological reprocessing, energy recovery, pyrolysis, resource recovery liquid waste management and E-waste.

This course covers both classroom and practical sessions. The students will be engaged in participatory and interactive activities. Candidates with curiosity in discipline life and environment and love in adventure and want to select his/her future in armed forces can choose this course

Program Outcome:

- Enhance knowledge of the students about waste management.

Theory (Total Credit – 04)

Waste management: Principles of waste management, history of waste management, waste handling and transport, hazards of waste management, disposal methods, recycling.

Re-use of waste-biological reprocessing, energy recovery, pyrolysis, resource recovery, Waste valorization. Liquid waste management- Industrial waste water, Sewage and sludge treatment. Waste management strategies. E-waste- definition and examples only.

Practical (Total Credit – 02)

Practical Contents: Drill, Map reading (MR), Basics of Weapon Training (WT). Attendance of at least one NCC camp is expected from the students. Extra marks may be given to them.

Project:

Participate in any social awareness activities as NCC cadet separately for Major – VI during the semester. Student should make a detail project report with photographs and submit to the college. Attendance of at least one NCC camp is expected from the students. Extra marks may be given to them.

Course: Major- VII

Paper Title: Introduction to Basic Infantry, Armored and Artillery Weapons and Equipments.

Paper Code: NCC-MAJ7

Program Objective:

According to this curriculum, the 3rd year course containing two semesters have been proposed. The SEM- V contains three major papers, Major – VII, Major – VIII and Major – IX. Paper Major – VII deals with 'introduction to basic infantry, armored and artillery weapons and equipments'. It includes the basic details of selected weapons of the Indian army. In this paper the students will



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be familiarized with .22 Rifle and its ammunition, 7.62 mm SLR Rifle and its ammunition, 5.56 mm INSAS Rifle and its ammunition, 7.62 mm Light machine Gun, 9 mm carbine, 2" Mortar, H.E. Grenade, 0.38 Pistol/ Revolver. Parts, Stripping and assembling and principles of shooting, MBT Arjun, T-72, T-90, BMP – 2, Difference between Gun and howitzer, 25 pounder gun, 105 mm Indian Field gun, FH77 is a Swedish 155 mm howitzer, or Bofors gun.

This course covers both classroom and practical sessions. The students will be engaged in participatory and interactive activities. Candidates with curiosity in discipline life and environment and love in adventure and want to select his/her future in armed forces can choose this course.

Program Outcome:

- Enhance knowledge of the students about basic infantry, armoured and artillery weapons and equipments.

Theory (Total Credit – 04)

Introduction to Basic Infantry Weapons and Equipments: .22 Rifle and its ammunition; 7.62 mm SLR Rifle and its ammunition; 5.56 mm INSAS Rifle and its ammunition; 7.62 mm Light machine Gun; 9 mm carbine; Parts, Stripping and assembling and principles of shooting of various arms.

Introduction to Basic Armored Weapons and Equipments: MBT Arjun; T-90 and BMP – 2.

Introduction to Basic Artillery Weapons and Equipments: Difference between Gun and howitzer; 25 pounder gun; 105 mm Indian Field gun; FH77 155 mm howitzer or Bofors gun.

Practical (Total Credit – 02)

Practical Contents: Drill, Map reading (MR), Basics of Weapon Training (WT). Attendance of at least one NCC camp is expected from the students. Extra marks may be given to them.

Project:

Participate in any social awareness activities as NCC cadet separately for Major – VII during the semester. Student should make a detail project report with photographs and submit to the college.

Course: Major- VIII

Paper Title: Basic Organizations of Indian Armed Forces and Environmental Awareness and conservations.

Paper Code: NCC-MAJ8

According to this curriculum, the 3rd year course containing two semesters have been proposed. The SEM- V contains three major papers, Major – VII, Major – VIII and Major – IX. The Major – VIII deals with the 'basic organizations of Indian Armed Forces, field formations and rank structure in three Services, environmental awareness and conservations'. The students will



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become familiar with the basic organizations of Indian Armed Forces, field formations and rank structure in Indian army, navy and air force as well as they will be familiarized with the environmental awareness and its conservations.

This course covers both classroom and practical sessions. The students will be engaged in participatory and interactive activities. Candidates with curiosity in discipline life and environment and love in adventure and want to select his/her future in armed forces can choose this course.

Program Outcome:

- Enhance knowledge of the students about Basic organizations of Indian armed forces, field formations and rank structure in three services and environmental awareness and conservations.

Theory (Total Credit – 04)

Basic Organizations of Indian Armed Forces: Command and Control; Headquarters and formation of Headquarters in Army, Air force and Navy; Basic organization of Army – **Command and control:** Fighting arms, Supporting arms and Supporting services; Task and role of fighting arms – infantry, armour and mechanized infantry; Task and role of supporting arms and services.

Field formations and rank structure in three services: Basic field formations and rank structure of the Indian Army, Navy and Air force.

Environmental Awareness and conservations: Natural resource conservation and management; Water and wild life conservation in India – importance, threats and methods; Wild Life (Protection) Act, 1972; Energy Conservation- need and sustainability, National parks, sanctuaries, IUCN Red data book. Renewable and non renewable energy sources – basic concept. Pollution – air, water and soil pollution. Definition and sources air, water and soil pollution: Domestic, industrial, agricultural. Types: Surface water, ground water pollution. Effects: On human health, aquatic life and agriculture; Control measures: Sewage treatment, waste water recycling, rain water harvesting. Role of CPCB and SPCBs in monitoring pollution.

Practical (Total Credit – 02)

Practical Contents: Drill, Map reading (MR), Basics of Weapon Training (WT). Attendance of at least one NCC camp is expected from the students. Extra marks may be given to them.

Project:

Participate in any social awareness activities as NCC cadet separately for Major – VII during the semester. Student should make a detail project report with photographs and submit to the college.



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Course: Major- IX

Paper Title: Modes of Entry in Indian Armed Forces and introduction to Agnipath Scheme.

Paper Code: NCC-MAJ9

According to this curriculum, the 3rd year course containing two semesters have been proposed. The SEM- V contains three major papers, Major – VII, Major – VIII and Major – IX. The Major – IX deals with 'modes of entry in Indian Armed Forces and introduction to 'Agnipath Scheme'. The students will become familiar with the various modes of entry in Indian Armed Forces and they will be familiar with the newly introduced 'Agnipath Scheme' of entry in Indian Armed Forces.

This course covers both classroom and practical sessions. The students will be engaged in participatory and interactive activities. Candidates with curiosity in discipline life and environment and love in adventure and want to select his/her future in armed forces can choose this course.

Program Outcome:

- Enhance knowledge of the students about modes of entry in Indian Armed Forces and introduction to 'Agnipath Scheme'.

Theory (Total Credit – 04)

Modes of entry in Indian Armed Forces: Types of commission; Training institutes,

Mode of Entry in officers: Mode of Entry in NDA; Mode of entry in IMA, Dehradun; Mode of entry in OTA; Mode of entry for women; Mode of entry specially for NCC Cadts; IMA direct entry (Non Technical Men); OTA direct entry (Non Technical Men); TGC (Engineers); University entry scheme; Short Service commission (Technical) (Men); JAG (Men); TGC Education (AEC); NCC (SPL) entry Women; Short service Commission (non technical) women; Short service Commission (technical) women; JAG women. SSD interview – a brief idea.

Mode of Entry in JCO & other ranks: Solders (GD); Solders (Technical); Solders (Clerk/Store Keeper); Solders (Nursing Assistant); Solders (Tradesman); Solders (GD, 10th pass); Surveyor Auto Carto; JCO (Religious Teacher); JCO(Catering) and Havildar (Education).

Agnipath Scheme: Introduction and benefits.

Introduction and Mode of Entry to Central Armed Police Forces (CAPF): BSF, CRPF, CISF, ITBP, SSB, Entry in to CAPF CAPF Assistant Commandant Exam (conducted by UPSC) Recruitment through SSC GD

Practical (Total Credit – 02)

Practical Contents: Drill, Map reading (MR), Basics of Weapon Training (WT). Attendance of at least one NCC camp is expected from the students. Extra marks may be given to them.



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Project:

Participate in any social awareness activities as NCC cadet separately for Major – VII during the semester. Student should make a detail project report with photographs and submit to the college.

Course: Major- X

Paper Title: Map Reading and Study of life of selected Gallantry Award winner.

Paper Code: NCC-MAJ10

Program Objective:

According to this curriculum, the 3rd year course containing two semesters have been proposed. The SEM- VI contains three major papers, Major – X, Major – XI and Major – XII. Paper Major – X deals with 'Map Reading and Study of life of selected Gallantry Award winner' of Indian armed forces. It includes the basic details of map reading and the students will be familiarized with life and act of bravery of those people who gets the highest gallantry award while serving in armed forces.

This course covers both classroom and practical sessions. The students will be engaged in participatory and interactive activities. Candidates with curiosity in discipline life and environment and love in adventure and want to select his/her future in armed forces can choose this course.

Program Outcome:

- Enhance knowledge of map reading and study of life of selected gallantry award winners of Indian armed forces.

Theory (Total Credit – 04)

Map Reading: Definition and types of map, conventional sign, scales and GRID system, various topographical forms and technical terms, Concept of Relief, contours and gradients. Concept of cardinal points and types of north, Types of bearing and use of service protractor, prismatic compass and its use, GPS and its Indian equivalent. Setting of map and methods of finding north and finding own position, Map to ground and ground to map. Point to point march and its navigation.

Study of life of selected Gallantry Award winner: Maj. Somnath Sharma, Subedar Joginder Singh, Company Quartermaster Havildar Abdul Hamid, Lance Naik Albert Ekka, Flying Officer Nirmal Jit Singh Sekhon, Captain Bana Singh, , Captain Vikram Batra, Captain Yogendra Singh Yadav, Captain Manoj Kumar Pandey, Subedar Major Sanjay Kumar and Nb Sub Chuni Lal.

Practical (Total Credit – 02)

Practical Contents: Drill, Map reading (MR), Basics of Weapon Training (WT). Attendance of at least one NCC camp is expected from the students. Extra marks may be given to them.



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Project:

Participate in any social awareness activities as NCC cadet separately for Major – X during the semester. Student should make a detail project report with photographs and submit to the college.

Course: Major- XI

Paper Title: Introduction to FCBC and Awards and decorations of the Indian Armed Forces.

Paper Code: NCC-MAJ11

Program Objective:

According to this curriculum, the 3rd year course containing two semesters have been proposed. The SEM- VI contains three major papers, Major – X, Major – XI and Major – XII. Paper Major – XI deals with 'Introduction to Field Craft and Battle Craft and Awards and decorations of the Indian Armed Forces'. It includes the basic details of field Craft and battle Craft. The students will be familiarized with various awards and decorations given to the armed forces personals as recognition for their extraordinary bravery and distinguished service performed by them during times of war and peace.

This course covers both classroom and practical sessions. The students will be engaged in participatory and interactive activities. Candidates with curiosity in discipline life and environment and love in adventure and want to select his/her future in armed forces can choose this course.

Program Outcome:

- Enhance knowledge of field craft and battle craft and awards and decorations of the Indian Armed Forces.

Theory (Total Credit – 04)

Field Craft and Battle Craft: Introduction and definition; judging distance- introduction and method; Description of ground; Types of ground; Recognition, description and indication of landmarks and targets; Observation, camouflage and concealment; Cover-types and use of cover; Details accounts of field signals – signals with hand, signals with weapons, signals with whistle; Section formation – different types; Fire control orders – method, sequence (GRIT) and type; Knots and Lashings.

Awards and decorations of the Indian Armed Forces: Details accounts, including extraordinary bravery and distinguished service during times of war and peace.

Practical (Total Credit – 02)

Practical Contents: Drill, Map reading (MR), Basics of Weapon Training (WT). Attendance of at least one NCC camp is expected from the students. Extra marks may be given to them.



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Project:

Participate in any social awareness activities as NCC cadet separately for Major – XI during the semester. Student should make a detail project report with photographs and submit to the college.

Course: Major- XII

Paper Title: Disaster Management and Introduction to NDRF and Civil Defense.

Paper Code: NCC-MAJ12

Program Objective:

According to this curriculum, the 3rd year course containing two semesters have been proposed. The SEM- VI contains three major papers, Major – X, Major – XI and Major – XII. Paper Major – XII deals with disaster management and introduction to NDRF and Civil defence. It includes the basic details of disaster management policies, laws, routines in India and introduction to NDRF and Civil defence as well as National Disaster Management Authority of India.

This course covers both classroom and practical sessions. The students will be engaged in participatory and interactive activities. Candidates with curiosity in discipline life and environment and love in adventure and want to select his/her future in armed forces can choose this course.

Program Outcome:

- Enhance knowledge of disaster management and introduction to NDRF and Civil defence.

Theory (Total Credit – 04)

Disaster Management and Introduction to NDRF and Civil Defense: Definition of disaster, Basic concepts: hazard, vulnerability, risk ,and disaster; Role of NCC cadets in disaster response; National Disaster Management Authority of India - Functions and responsibilities; Vision and guidelines; Types of Disasters; Do's and Don'ts during common disasters: During Earthquake, Flood, Fire, Cyclone/Storm; Assistance during natural disasters; Setting up relief camps during natural disasters; Collection and distribution of aid materials during natural disasters .National Disaster Response Force (NDRF) – General account.

Fire fighting: Traffic Control during natural disasters; Essential services and their maintenance; Types of fire: A(solid), B(liquid), C(gas), D(metal), Electrical fire; Fire prevention methods; Fire extinguishers: types and uses; Role of Fire Services and NCC in fire emergencies; Safety drills and mock fired drills.

Civil defence – Introduction, organization, structure, responsibilities, aid to civil authorities during fire and other natural calamities.

Practical (Total Credit – 02)

Practical Contents: Drill, Map reading (MR), Basics of Weapon Training (WT). Attendance of at least one NCC camp is expected from the students. Extra marks may be given to them.



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Project:

Participate in any social awareness activities as NCC cadet separately for Major – XII during the semester. Student should make a detail project report with photographs and submit to the college.

References:

1. R Gupta's NCC (National Cadet Corps): A concise handbook of NCC cadets for 'A', 'B' and 'C' Certificate Examinations including model papers and solved questions / edited by R.K. Gupta. New Delhi Ramesh Publishing House.
2. NCC Army Wing (Covers Both Common & Special Subjects) by R.K. Gupta. New Delhi Ramesh Publishing House.
3. Hand Book of NCC, Maj R.C. Mishra, Kranti Prakashan, Etawa, UP (Hindi Version).
4. Mubaslat, E. A. (2021). Introduction to Waste Management. The Hashemite Kingdom of Jordan, ISBN: 978-9957-67-886-9
5. ANO and Cadet hand books, published by OTA Kamptee.



Dr. Debadin Bose
Chairman
UG & PG BOS in NCC
Cooch Behar Panchanan Barma University

Dated: 21.07.2025

Place: Cooch Behar Panchanan Barma University

(Capt. Debadin Bose)
(Chairman)
Under Graduate Board of Studies in NCC
Cooch Behar Panchanan Barma University.
Coochbeh