



GUJARAT TECHNOLOGICAL UNIVERSITY

Program Name: NCC

Level: Bachelor in Engineering

Branch: Navy Cadets

Course / Subject Code : 1015NC02

Course / Subject Name : National Cadet Camp II

w. e. f. Academic Year:	2021-22
Semester:	5 (ODD)
Category of the Course:	Compulsory

Theory Course Objectives:

1	Acquire the concept self-awareness, emotional intelligence, critical and creative thinking, decision making and problem solving.
2	Learn about various indicators of good leadership and get an insight on principle of leadership and motivation.
3	Develop awareness about the various types of natural disasters and disaster management organization in our country.
4	Familiarize with natural resources, changing environment and understand the importance of conservation and waste management.
5	Value the importance of Physical and Mental health and understand how to deal with wounds of various types
6	Acquire awareness about organization and role of an Infantry Battalion in the Armed Forces.

Theory Course Outcome:

No	Course Outcomes	RBT Level
01	Develop a sense of responsibility, smartness in appearance and improve self-confidence, inculcate importance of empathizing with others, improve their deep-thinking ability and apply ideas and be able to face problems in a constructive manner with solutions.	
02	Imbibe good leadership traits and apply them in practical life and appreciate the visible outcome of leadership and motivation.	
03	Appreciate role of the org during emergency and become useful members of disaster response team, if need arises.	



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04	Learn about the various natural resources, their utilization and practice method of conservation of these resources in daily life.	
05	Appreciate value of physical and mental health in daily life and spread awareness about treatment and care of wounds in their society.	
06	Be motivated to join the armed forces.	

*Revised Bloom's Taxonomy (RBT)

Teaching and Examination Scheme:

Teaching Scheme (in Hours)			Total Credits L+T+ (PR/2)	Assessment Pattern and Marks				Total Marks
L	T	PR	C	Theory		Tutorial / Practical		
				ESE (E)	PA / CA (M)	PA/CA (I)	ESE (V)	
02	00	06	05	0	0	0	0	0

Theory Course Content:

Unit No.	Content	No. of Hours	% of Weightage
1.	Unit 1. Personality Development (PD).Self-Awareness, Emotional intelligence, Critical and Creative Thinking, Decision-Making and Problem Solving..	04	12
2.	Unit 2. Leadership (LDR) . Indicators of Good Leadership, Leadership and Motivation.	04	12
3.	Unit 3. Disaster Management (DM).Disaster Management Organization NDMA and NDRF, Types of Disasters.	04	12
4.	Unit 4. Environmental Awareness and Conservation (EAC).Natural Resources, Conservation and Management, Water Conservation, Waste Management, Energy Conservation.	04	12
5	Unit 5. Health and Hygiene (H&H) . Physical and Mental Health, Treatment and Care of Wounds.	04	12



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6	Unit 6. Infantry Weapons (IW) . Organization of Infantry Battalion.	02	6
7	Unit 7. Weapon Training (WT) . Characteristics of Point 22 Rifle and its Ammunition, Range Procedure and Safety Precautions.	04	12
8	Unit 8. Military History (MH). Guest lectures by War Veterans/decorated soldiers/veterans.	04	11
9	Unit 9. Communication (COM) . Latest trends in communication	04	11
	Total	34	100

Practical Course Objectives:

01	Inculcate spirit of discipline and follow command as a group for a common goal.
02	Fire a weapon with adequate safety precautions necessary for safe firing.
03	Understand the lay of the ground and use it skillfully towards own objective.
04	Understand and use the map, satellite imagery and GPS effectively.
05	Identify and be well versed with the primary weapon systems used in the Armed Forces.
06	Lead a life of selflessness and provide service towards society development and nation building
07	Understand the importance of changing mindset, team work, social skills etiquettes and manners, interview skills and importance of effective communication in daily life.
08	Learn the importance of physical fitness and nuances of physical training.
09	Inculcate esprit-de-corps through team games.
10	Have knowledge about cultural diversity of India and learn ways and means to adopt them.

Practical Course Outcomes:

01	Practice problem solving, critical thinking in real life situations
02	Practice leadership of small teams and groups under challenging environment.



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03	Develop a positive attitude, have manners and etiquettes in social life, develop a sense of cooperation for group or team work, participate in an interview with confidence and inculcate verbal and non-verbal communication skills.
04	Develop adequate physical and mental endurance capabilities.
05	Fire a weapon effectively with fair degree of marksmanship.
06	Undertake point to point navigation and take part in endurance marches by day and night.
07	Use terrain effectively for concealment, camouflage, indicate landmarks and give field signals.
08	Be motivated to join the Armed Forces.
09	Play team games and be able to communicate and coordinate effectively in group events or situations.
10	Perform foot drill, arms drill, and ceremonial drill and will be able to take part in ceremonial parade and events.
11	Respect the diversity of Indian culture and develop pride by showcasing their own culture to others.

Practical Course Content:

Unit No.	Content	No. of Hours	% of Weightage
1.	Unit 1. Drill (Drill). Tejchaal se Mudna, Tejchaal se Salute karna, Tej kadamtaal aur Tham, Tej Kadamtaal se kadam badhana, Teenon Teen se ek file Banana aur ek file se Teenon Teen Banana, Rifle Ke Saath Saavdhan, Aaram se, Rifle ke saath Parade par aur saaj, Rifle Ke saath visarjanaur line tod, Bhumi Sashtra aur Uthao Sashtra, Bagal Sashtra aur Baaju Shastra, Salami Sashtra, Squad Drill, Guard Mounting, Guard of Honour, Platoon / Company Drill, Word of Command and Instructional Practice.	16	17
	Unit 2. Weapon Training (WT . Stripping, Assembling, Cleaning of Point 22 rifle, Sight Setting and Sight Picture of Point 22 Rifle, Loading, Cocking and Unloading, Lying Position, Holding and Aiming of Point 22 rifle, Trigger Control and Firing of Shot, Theory of Group, Short-Range Aiming and Firing,	14	15



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	Musketry Training, Firing Practice I to VII.		
3.	Unit 3. Field Craft & Battle Craft (FC/BC) . Observation, Camouflage and Concealment, Field Signals, Section formations, Fire Control Orders, Fire and Movement, Knots and Lashings.	06	6
4.	Unit 4. Map Reading (MR) . Introduction to Map and Conventional signs, Scale and Grid System, Topographical forms and technical terms, Relief, Contours and gradients, Cardinal points and types of North, Types of Bearing and use of Service Protector, Prismatic Compass and its use, setting of a map, Finding North and own Position, Map to Ground and Ground to map, Point to Point march, Endurance March – I (10 KM), Endurance March -II (20 KM).	12	13
5.	Unit 5. Infantry Weapons (IW). Characteristics of Infantry Company support weapons and 5.56 MM INSAS Rifle.	01	2
6.	Unit 6. Social Service and Community Development (SSCD. Contribution of Youth Towards Social Welfare: Cadets will participate in various activities throughout the camp e.g., Blood donation Camp, Swachhata Abhiyan, Constitution Day, Jan Jeevan Hariyali Abhiyan, Beti Bachao Beti Padhao etc., Social Evils: Female Feticide, Dowry, Child Abuse, Trafficking and Corruption, Drug Abuse and Drug Trafficking, Protection of Children and POCSO Act 2012.	04	5
7	Unit 7. Personality Development (PD). Change Your Mindset, Team Work and Team Building, Social Skills, Etiquettes and Manners, Interview Skills, Communication Skills–I, Communication Skills -II 57	06	6
8	Unit 8. Obstacle Training (OT). OT Practice – I: Untimed, Cadets will be familiarized with all the obstacles in the Obstacle Course and briefed about the correct method to do them, OT Practice -II: Timed practice for all the cadets and record to be maintained.	02	3
9	Unit 9. Physical Training (PT) , Physical Training will be carried out on each day of the camp, except on last day, in morning hours. Training has to be progressive in degree of difficulty to improve individual stamina and endurance. Training to include warming up, running, and exercises to strengthen upper body, lower body and core muscles. Two period each to be devoted to route march by day and night respectively and one period will be earmarked for trekking expedition as part of Adventure Activity.	09	10
10	Unit 10. Games Training. Physical Training will be carried out on each day of the camp, except on last day, in evening hours. Training has to be progressive in degree of difficulty to improve individual skills, coordination,	09	10



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	team work and desire to excel. Training to ensure that each and every boy and girl cadets participate in at least one game activity everyday		
11	Unit 11. Cultural Activity . Cultural Activity will be carried out on each day of the camp, except on last day, in evening hours. Cadets have to divided in Nine Groups consisting of a mix of boy and girl cadets and preferably belonging to the same geographical area. Each group has to present the unique culture, custom, tradition, folk lore, songs, drama, paintings and cuisine during one hour allotted. There will be a prize for the best group to encourage participation and to develop pride in their unique culture. This training activity should ensure that each and every boy and girl cadets participate in at least one game activity every day (Contact Hrs. 09)	09	10
12	Unit 12. Spare. Two periods in each camp will be earmarked as spare to cover disruptions in training activity due to weather or other administrative reasons.	02	3
	Total	90	100

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