

NATIONAL CADET CORPS (N.C.C) – (CODE: 076)

Class XI (2023-24) Max Marks - 70

Common Subjects

Unit-1 : The NCC <ul style="list-style-type: none">• Aims and Objectives of NCC• Organization and Training and NCC Song• Incentives
Unit-2 : National Integration and Awareness <ul style="list-style-type: none">• National Integration: Importance and Necessity• Freedom Struggle and Nationalist Movement in India
Unit-3 : Drill <ul style="list-style-type: none">• Foot Drill• Arm Drill
Unit-4 : Weapon Training <ul style="list-style-type: none">• Characteristics of a rifle and its ammunition• Stripping, assembling, care and cleaning of 22 Rifle• Loading, cocking and unloading• Different positions for holding and aiming
Unit-5 : Personality Development and Leadership <ul style="list-style-type: none">• Introduction to Personality development• Communication skills• Leadership traits• Time management
Unit-6 : Disaster Management and Civil Affairs <ul style="list-style-type: none">• Types of Emergencies and Natural Disasters• Assistance during natural and other calamities: Floods, Cyclones, Earthquakes, Accidents
Unit-7 : Social Awareness Community Development <ul style="list-style-type: none">• Basics of Social Service and its needs• Contribution of youth towards social welfare• Civic responsibilities
Unit-8: Health and Hygiene <ul style="list-style-type: none">• Hygiene and sanitation• Infectious and contagious diseases and its prevention
Unit-9 : Adventure and Obstacle Training <ul style="list-style-type: none">• Obstacle training
Unit-10 : Environment Awareness and Conservation <ul style="list-style-type: none">• Natural resources – conservation and management• Water conservation and rain water harvesting

Specialized Subject (Army)

Unit 1: Armed Forces

Aim: To acquaint cadets with the Armed Forces

Scope: Introductory and general information about the Armed Forces

- Basic organization of Armed Forces
- Organization of the Army

Unit 2: Map Reading

Aim: To teach cadets elementary map reading

Scope: Basic understanding of map sheets and map reading instruments and development of capability to use them to carry out simple map reading

- Introduction to types of Maps and conventional signs
- Scales and grid system
- Topographical forms and technical terms
- Types of bearings and use of service protractor
- Prismatic compass and its use and GPS

Unit -3 Field Craft and Battle Craft

Aim: To teach cadets elementary field craft and battle craft

Scope: Basic field craft and battle craft

- Judging distance
- Description of ground

Unit-6 : Communication

Aim: To introduce cadets to the latest trends in the field of communications

Scope: Types of communications and future trends

- Types of communication
- Characteristics of wireless technology (mobile, Wi-Fi etc.)

Unit-5 : Military History

Aim: To provide knowledge of renowned Military Generals, PVCs and Indo-Pak Wars

Scope: Introduction to biographies, famous Indian battles and gallantry awards

- Biographies of renowned generals (Carriappa/ Manekshaw)

Unit-6 : Communication

Aim: To introduce cadets to the latest trends in the field of communications

Scope: Types of communications and future trends

- Types of communication
- Characteristics of wireless technology (mobile, Wi-Fi etc.)

Specialized Subject (Navy)

Unit-1: Naval Orientation and service subjects

Aim: To impart basic knowledge about Navy

Scope: Basic knowledge, history, current organization and role of different branches

- History of the Navy – pre and post-independence, gallantry award winners
- Organization of the Navy, NHQ, commands and fleets
- Types of War ships and role
- Rank of officers and sailors and their equivalent in other services

Unit-2 : Naval Communication

Aim: To impart basic knowledge about naval communication

Scope: To impart basic knowledge about naval communication, semaphore and wearing of flags

- Introduction to modern naval communication, purpose and principles

Unit-3: Seamanship

Aim: To impart basic knowledge about navigation

Scope: Basic navigation tactics and methods

- Parts of Anchor, cable and its identification

Unit-4 : Rigging

Aim: To impart basic knowledge about ropes, rigging and shackles

Scope: Basic rope work and introduction to ropes, bends and hitches

- Types of ropes and breaking strength – stowing, maintenance and securing
- Practical bends and hitches

Unit-5 : Boat Work

Aim: To impart basic knowledge about boats and its parts and steering of boats

Scope: Introduction to boats and its parts including steering of boats and boat pulling

- Parts of a boat and parts of an oar
- Instructions on boat pulling

Unit-6 : Ship and Boat Modeling

Aim: To impart basic knowledge about ship modelling to the cadets

Scope: To impart basic knowledge about ship construction and boat modelling

- Principles of Ship Modelling

Unit-7 : Search and Rescue

Aim: To impart basic knowledge about search and rescue

Scope: To impart knowledge about SAR organization and role of Coast Guard

- SAR Organization in the Indian Ocean

Specialized Subject (Air Force)**Unit-1: General Service Knowledge**

Aim: To impart basic knowledge of IAF

Scope: History and Organization of IAF

- Development of Aviation
- History of IAF

Unit-2 : Principles of Flight

Aim: To introduce principles of flight

Scope: To impart knowledge about basic principles on which aviation is based

- Laws of Motion
- Glossary of Terms

Unit-3 : Airmanship

Aim: To introduce the concept of airmanship

Score: Airfield layout, Rules of the air, ATC procedures and basics of aviation medicine

- Airfield Layout
- Rules of the Air

- Circuit Procedure

Unit-4 : Aero Engines

Aim: To introduce basic knowledge of aero engines

Scope: Introduction to aero engines

Unit-5 : Air frames

Aim: To introduce basic structure of an aircraft

Scope: Introduction to various aircraft controls and landing gear

- Aircraft Controls
- Landing Gear

Unit-6 : Instruments

Aim: To provide knowledge of aircraft instruments

Scope: To teach basics about flight instruments

- Basic flight instruments

Unit 7:AircraftParticulars

Aim: To provide knowledge of aircraft Instruments

Scope: Knowledge about the aircraft to be flown including checks and procedures

- Aircraft particular type specific

Unit-8 : Aero-modeling

Aim: To provide knowledge about aero modelling

Scope: History of aero modelling, materials used in different types of models

- History of Aero-modelling
- Types of aero-models