

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

Class XI (2024-25) Max Marks - 70

### Common Subjects

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

### **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