

## 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



<p><b>Unit-2 : Naval Communication</b>  Aim: To impart basic knowledge about naval communication  Scope: To impart basic knowledge about naval communication, semaphore and wearing of flags</p> <ul style="list-style-type: none"> <li>• Introduction to modern naval communication, purpose and principles</li> </ul>
<p><b>Unit-3: Seamanship</b>  Aim: To impart basic knowledge about navigation  Scope: Basic navigation tactics and methods</p> <ul style="list-style-type: none"> <li>• Parts of Anchor, cable and its identification</li> </ul>
<p><b>Unit-4 : Rigging</b>  Aim: To impart basic knowledge about ropes, rigging and shackles  Scope: Basic rope work and introduction to ropes, bends and hitches</p> <ul style="list-style-type: none"> <li>• Types of ropes and breaking strength – stowing, maintenance and securing</li> <li>• Practical bends and hitches</li> </ul>
<p><b>Unit-5 : Boat Work</b>  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</p> <ul style="list-style-type: none"> <li>• Parts of a boat and parts of an oar</li> <li>• Instructions on boat pulling</li> </ul>
<p><b>Unit-6 : Ship and Boat Modeling</b>  Aim: To impart basic knowledge about ship modelling to the cadets  Scope: To impart basic knowledge about ship construction and boat modelling</p> <ul style="list-style-type: none"> <li>• Principles of Ship Modelling</li> </ul>
<p><b>Unit-7 : Search and Rescue</b>  Aim: To impart basic knowledge about search and rescue  Scope: To impart knowledge about SAR organization and role of Coast Guard</p> <ul style="list-style-type: none"> <li>• SAR Organization in the Indian Ocean</li> </ul>

### Specialized Subject (Air Force)

<p><b>Unit-1: General Service Knowledge</b>  Aim: To impart basic knowledge of IAF  Scope: History and Organization of IAF</p> <ul style="list-style-type: none"> <li>• Development of Aviation</li> <li>• History of IAF</li> </ul>
<p><b>Unit-2 : Principles of Flight</b>  Aim: To introduce principles of flight  Scope: To impart knowledge about basic principles on which aviation is based</p> <ul style="list-style-type: none"> <li>• Laws of Motion</li> <li>• Glossary of Terms</li> </ul>
<p><b>Unit-3 : Airmanship</b>  Aim: To introduce the concept of airmanship  Score: Airfield layout, Rules of the air, ATC procedures and basics of aviation medicine</p> <ul style="list-style-type: none"> <li>• Airfield Layout</li> <li>• Rules of the Air</li> </ul>

- 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

