### Class IX (2023-24) Max. Marks - 70

**Common Subjects**

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<th>Unit</th>
<th>Description</th>
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| **Unit-1 : The NCC** | Aim: To acquaint cadets with the aims and objectives of NCC  
Scope: Introduction, aims, organization and general information about NCC  
- Aims and Objectives of NCC  
- Organization and Training and NCC Song  
- Incentives of Joining NCC |
| **Unit-2 : National Integration and Awareness** | Aim: To inculcate sense of patriotism, secular values and motivate cadets to contribute towards nation building through national unity and social cohesion  
Scope: The concepts of National Interests, Objectives and integration, Unity in diversity and cultural heritage of India  
- Religions, Culture, Traditions and Customs of India  
- National Integration: Importance and Necessity  
- Problems/Challenges of National Integration  
- Images/Slogans for National Integration |
| **Unit-3 : Civil Affairs** | Aim: To train Cadets to assist Civil administration in performance of selective duties during disasters  
Scope: Basic information about civil defense organization and its duties, maintenance of essential services and providing assistance to civil administration in various types of emergencies during national disasters  
- Types of Emergencies/Natural Hazards  
- Role of NCC during Natural Hazards/Calamities  
- Fire Service and Fire Fighting |
| **Unit-4 : Drill** | Aim: To inculcate a sense of discipline, improve bearing, smartness, turnout and to develop the quality of immediate and implicit obedience to orders  
Scope: All important basic aspects of drill including ceremonial drill, drill with arms and words of command  
Drill without Arms  
- General and Words of Command  
- Attention, Stand at Ease and Stand Easy, turning and inclining at the halt  
- Saluting at the halt  
- Getting on parade, dismissing and falling out  
- Saluting on the March Individual word of command |
| **Unit-5 : Weapon Training** | Aim: To give elementary knowledge about rifles  
Scope: Basic knowledge about rifle and firing  
- Characteristics of a rifle/rifle ammunition and its fire power  
- Stripping, assembling, care and cleaning and sight setting  
- Loading, cocking and unloading  
- The lying position and Holding  
- Aiming, range and figure target  
- Range precautions and safety precautions |
| **Unit-6 : Adventure Training** | Aim: To inculcate a sense of adventure and develop confidence, courage and determination  
Scope: To expose cadets to various adventure activities  
- Trekking including selection of route and administrative planning  
- Cycle expedition including selection of route and administrative planning |
**Unit-7: Personality Development and Leadership**
Aim: To develop an all-round dynamic personality with adequate leadership traits to deal/contribute effectively in all walks of life
Scope: Basic subjects of leadership with emphasis on self-awareness, life/soft skills, time management and character building
- Introduction to Personality development
- Factors influencing/shaping personality: Physical, Social, Psychological and Philosophical
- Self-Awareness-know yourself
- Self-confidence, courage & self-conviction
- Problem solving skills
- Importance of group and team work
- Effective use of time
- Coping with stress/emotions
- Sociability: Social Skills
- Characteristics of healthy personalities – ethics/values

**Unit-8: Social Awareness Community Development**
Aim: To teach cadets the values and skills involved in providing voluntary Social Service
Scope: Understanding of social service and its needs, knowledge about the weaker sections of our society and their requirements, about NGOs and contribution of youth towards social welfare
- Basics of Social Service, and its needs
- Contribution of youth towards social welfare
- Civic responsibilities
- Drug abuse and trafficking
- Causes and prevention of HIV/AIDS, Role of Youth
- Corruption
- Provisions of child Act

**Unit-9: Health and Hygiene**
Aim: To instill respect and responsibility towards personal health and hygiene
Scope: Basic information of the human body, maintenance of health and hygiene, sanitation, disease and an elementary knowledge of First Aid and Nursing
- Hygiene and sanitation (Personal and Food Hygiene)
- Physical and mental health
- Infectious and contagious diseases and its prevention
- Basics of first aid in common medical emergencies
- Wounds and fractures
- Introduction to yoga and exercise

**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
- Badges and Ranks
- Honors and Awards
- Modes of entry into Army

**Unit 2: 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)
- Study of battles of Indo-Pakwar 1965, 1971 and Kargil
- War movies

**Unit-3: Map Reading**
Aim: To teach cadets elementary map reading
Scope: Elementary understanding of mapsheets 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

**Unit-4: Field Craft and Battle Craft**
Aim: To teach cadets elementary field craft and battle craft
Scope: Basic field craft and battle craft
- Introduction
- Judging distance
- Description of ground
- Field signals
- Use of ground and movement
- Selection of formations (Section formation)

**Unit-5: Communication**
Aim: To introduce cadets to the latest trends in the field of communications
Scope: Types of communications and future trends
- Importance of communication
- Means of communication

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**Specialized Subject (Navy)**

**Unit-1: Naval Orientation**
Aim: To impart training on Naval Organization.
Scope: History of Indian Naval Organizations, Rank structure, Indo-Pak War-1971 etc.
- History of the Indian Navy (Gallantry Award Winners)
- Organization of IN-NHQ, Commands and Ships
- Organization on Board a Ship
- Survival and Rescue-Life Safety Items onboard Ship, Life Raft
- Life Boats and Distress Signals

**Unit-2: Naval Communication**
Aim: To impart basic knowledge of Naval Communication.
Scope: Introduction to visual communication.
- Introduction to Naval Communication
- Phonetic Alphabet - Introduction and use

**Unit-3: Seamanship**
Aim: To impart basic knowledge about Seamanship.
Scope: Introduction to rigging, anchor work, parts of boats and accessories etc.
- Rigging
- Bends and Hitches: Reef Knot, Half Hitch, Clove Hitch
- Rolling Hitch, Timber Hitch, Bowline, Round Turn and
- Two Half Hitches and Bow Line on the Bight and its basic element

**Unit-4: Ship and Boat Modeling**
Aim: To provide knowledge about Ship Modeling
Scope: Materials used in different types of models
### 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: Air Campaigns**  
**Aim:** To impart basic knowledge of Air Campaigns  
**Scope:** History and Motivation.  
- Indo-Pak War - 1971  
- Operation Safe Sagar

**Unit-3: 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

**Unit-4: Principles of Flight**  
**Aim:** To introduce principles of flight  
**Scope:** To impart knowledge about basic principles on which aviation is based  
- Introduction  
- Glossary of Terms

**Unit-5: Parts of Aircraft**  
**Aim:** To provide knowledge of Aircraft Parts  
**Scope:** Knowledge about the parts of aircraft to be flown  
- Parts of Aircraft

**Unit-6: Aircraft Particulars**  
**Aim:** To provide knowledge of Aircraft Instruments  
**Scope:** Knowledge about the aircraft to be flown including checks and procedures  
- Aircraft Particular Type, Specific

**Unit-7: Airfield Layout**  
**Aim:** To provide knowledge of Airfields  
**Scope:** Knowledge about the airfields to be flown including checks and procedures Airfield Layout

**Unit-8: RT Procedure**  
**Aim:** To provide knowledge of wireless communication.  
**Scope:** Knowledge about the communication is required for flying aircraft  
- RT Procedure
# COMMON SUBJECT

## Unit-1: The NCC
**Aim:** To acquaint cadets with the aims and objectives of NCC
**Scope:** Introduction, aims, organization and general information about NCC
- Aims and Objectives of NCC
- Organization and Training and NCC Song
- Incentives of Joining NCC

## Unit-2: National Integration and Awareness
**Aim:** To inculcate sense of patriotism, secular values and motivate cadets to contribute towards nation building through national unity and social cohesion
**Scope:** The concepts of National Interests, Objectives and integration, Unity in diversity and cultural heritage of India
- Freedom Struggle and Nationalist Movement in India
- Unity in Diversity
- Famous Leaders of India
- Contribution of Youth to Nation Building

## Unit-3: Civil Affairs
**Aim:** To train Cadets to assist Civil administration in performance of selective duties during disasters
**Scope:** Basic information about civil defense organization and its duties, maintenance of essential services and providing assistance to civil administration in various types of emergencies during national disasters
- Civil Defense Organization and its duties/ NDMA
- Role of NCC during Natural Hazards/ Calamities
- Fire Service and Fire Fighting

## Unit-4: Drill
**Aim:** To inculcate a sense of discipline, improve bearing, smartness, turnout and to develop the quality of immediate and implicit obedience to orders
**Scope:** All important basic aspects of drill including ceremonial drill, drill with arms and words of command
- Drill without Arms
  - General and Words of Command
  - Attention, Stand at Ease and Stand Easy, turning and inclining at the halt
  - Saluting at the halt
  - Getting on parade, dismissing and falling out
  - Turning on the march and wheeling
  - Individual word of command
- Drill with Arms
  - The lying position and Holding
  - Aiming, range and figure target
  - Trigger control and firing a shot
  - Range precautions and safety precautions
  - Short range firing

## Unit-5: Weapon Training
**Aim:** To give elementary knowledge about rifles
**Scope:** Basic knowledge about rifle and firing
- Characteristics of a rifle/rifle ammunition and its fire power
- The lying position and Holding
- Aiming, range and figure target
- Trigger control and firing a shot
- Range precautions and safety precautions
- Short range firing

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**Aim:** To inculcate a sense of adventure and develop confidence, courage and determination
**Scope:** To expose cadets to various adventure activities
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## Unit-7: Personality Development and Leadership
**Aim:** To develop an all-round dynamic personality with adequate leadership traits to deal/contribute effectively in all walks of life
**Scope:** Basic subjects of leadership with emphasis on self-awareness, life/soft skills, time management and character building
- Introduction to Personality development
- Factors influencing/shaping personality: Physical, Social, Psychological and Philosophical
- Critical and creative thinking
- Communication skills: group discussions/lectures
- Effects of leadership with historical examples
- Problem solving skills
- Interview Skills
- Importance of group and team work
- Effective use of time
- Coping with stress/emotions

## Unit-8: Social Awareness Community Development
**Aim:** To teach cadets the values and skills involved in providing voluntary Social Service
**Scope:** Understanding of social service and its needs, knowledge about the weaker sections of our society and their requirements, about NGOs and contribution of youth towards social welfare
- Literacy enhancement and poverty alleviation
- Contribution of youth towards social welfare
- Civic responsibilities
- Drug abuse and trafficking
- Causes and prevention of HIV/AIDS, Role of Youth
- Corruption
- Social evils viz. dowry/female foeticide/child abuse and trafficking etc.
- Traffic control organization and anti-drunk driving
- Provisions of child Act

## Unit-9: Health and Hygiene
**Aim:** To instill respect and responsibility towards personal health and hygiene
**Scope:** Basic information of the human body, maintenance of health and hygiene, sanitation, disease and an elementary knowledge of First Aid and Nursing
- Structure and functioning of the human body
- Infectious and contagious diseases and its prevention
- Basics of first aid in common medical emergencies
- Wounds and fractures
- Introduction to yoga and exercise

## Unit-10: Environment Awareness and Conservation
**Aim:** To sensitize the cadets on natural resource conservation and protection of environment
**Scope:** Basic understanding of environment in general and waste management in particular, energy conservation, pollution control and wildlife conservation in particular
- Natural resources – conservation and management
- Water conservation and rain water harvesting
- Waste management
- Pollution control water, air, noise, soil
## 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
- Badges and Ranks
- Honors and Awards
- Modes of entry into Army

### Unit-2: 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
- Indian Army War Heroes
- Study of battles of Indo-Pakwar 1965, 1971 and Kargil

### Unit-3: Map Reading
**Aim:** To teach cadets elementary map reading
**Scope:** Basic understanding of mapsheets 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
- Topographical forms and technical terms
- Cardinal points and types of North
- Types of bearings and use of service protractor

### Unit-4: Field Craft and Battle Craft
**Aim:** To teach cadets elementary field craft and battle craft
**Scope:** Basic field craft and battle craft
- Introduction
- Judging distance
- Description of ground
- Observation, camouflage and concealment
- Field signals
- Use of ground and movement
- Selection of formations (Section formation)

### Unit-5: Communication
**Aim:** To introduce cadets to the latest trends in the field of communications
**Scope:** Types of communications and future trends
- Means of communication

## Specialized Subject (Navy)

### Unit-1: Naval Orientation
**Aim:** To impart training on Naval Organization.
**Scope:** History of Indian Naval Organizations, Rank structure, Indo-Pak War- 1971 etc.
- Rank Structure and Badges - PBOR to MCPO and Equivalent
- Rank Structure and Badges - Officers and equivalent
- Mode of entry into IN

### Unit-2: Naval Communication
**Aim:** To impart basic knowledge of Naval Communication.
**Scope:** Introduction to visual communication.
• Semaphore, use of semaphore, introduction of various letter position, Reading of semaphore message,
  • Transmission of semaphore message

### Unit-3: Seamanship
Aim: To impart basic knowledge about Seamanship.
Scope: Introduction to rigging, anchor work, parts of boats and accessories etc.
- Rigging
- Fundamentals of steering - steering orders, reports and alteration of course
- Parts of sail - types of sails
- Parts of whaler and oar - pulling orders
- Parts of Cadet Class Dingy - sailing terms

### Unit-4: Navigation
Aim: To impart basic knowledge to Naval Communication.
Scope: Introduction to visual communication
- Uses of Maps and Charts and its purpose
- Instruments required for chart work
- Markings on Chart, Light houses, buoys

### Unit-5: Ship and Boat Modelling
Aim: To impart basic knowledge about Ship Modelling to cadets
Scope: Basic knowledge about reading of Diagrams and constriction of Ship Models
- Practical Training on Static Models
- Preparation of hull construction
- Preparation of super structure

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**Specialized Subject (Air Force)**

### Unit-1: Air Campaigns
Aim: To introduce Air Campaigns of Air Force
- Indo-PakWar-1971
- Operation Safe Sagar

### Unit-2: Aircraft Recognition
Aim: To introduce various aircrafts of the Air Force
Scope: Types, roles, variants of aircraft of the IAF
- Fighters
- Transport
- Helicopters

### Unit-3: Aero-modelling
Aim: To provide knowledge about Aero Modelling
Scope: History of aero modelling, materials used in different types of models
- Materials used in Aero-modelling
- Types of Aero-models
- Flying/Building of Aero-models

### Unit-4: Atmosphere
Aim: To give basic knowledge of Atmosphere
Scope: Use of basic knowledge of Atmosphere
- Atmosphere

### Unit-5: Maps
Aim: To give basic knowledge of Air Navigation
Scope: Use of Maps and fundamentals of Map Reading from the air
- Maps