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FOR CBSE CLASS 12 EXAM PREPARATION

CBSE Class 12 2027 Syllabus · NCC

EXAM	YEAR	TYPE	SUBJECT
CBSE Class 12	2027	Syllabus	NCC

NATIONAL CADET CORPS (N.C.C) – (Subject Code 076)
Class XII (2025-26)

Max Marks - 70

Common Subjects

Unit-1 : 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

- National Interests, Objectives, Threats ad Opportunities
- Problems/ Challenges of National Integration

Unit-2 : Drill

Aim: To inculcate a sense of discipline, improve bearing, smartness, ant turnout and to develop the quality of immediate and implicit obedience of orders

Scope: All important basic aspects of drill including ceremonial drill, drill with arms and words of command

Drill with Arms

- Getting on parade with rifle and dressing at the order
- Dismissing and falling out
- Gun salute, Salami Shastra
- Squad drill
- Short/long trail from the order and vice-versa
- Examine arms

Ceremonial Drill

- Guard Mounting

Unit-3 : Weapon Training

Aim: To give elementary knowledge about rifles Scope:

Basic knowledge about rifle and firing

- The lying position, holding and aiming
- Trigger operation and firing a shot
- Range precautions and safety precautions
- Theory of group and snap shooting

Unit-4 : 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

- Self-Awareness-know yourself/ insight
- Inter personal relationship and communication
- Communication skills: group discussions/ lectures
- Time management
- Interview Skills
- Sociability: Social Skills

Unit-5 : Disaster Management

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

- Fire Service and Fire Fighting
- Assistance during natural/ other calamities: Flood/ cyclone/ earthquake/ accident etc.

Unit-6 : 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

- NGOs – Role and contribution
- Drug abuse and trafficking
- Corruption
- Social evils viz. dowry/ female feticide/ child abuse and trafficking etc.

Unit-7: Health and Hygiene
Aim: To instill respect and responsibility towards personal health and hygiene Scope: Basic information about maintenance of health and hygiene, sanitation, disease and an elementary knowledge of First Aid and Nursing

- Hygiene and sanitation (Personal and Food Hygiene)
- Basics of first aid in common medical emergencies
- Wounds and fractures

Unit-8 : Adventure Training and Obstacle Training
Aim: To inculcate a sense of adventure and develop confidence, courage and determination
Scope: To expose cadets to various adventure activities

- Para sailing

Unit-9 : 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

- 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

- Modes of entry in to army
- Honours and awards

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

- Cardinal points and types of North
- Types of bearings and use of service protractor
- Setting a map, finding North and own position

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 observation, camouflage and concealment
- Field signals

Unit-4 : Introduction to Infantry Weapons and Equipment
Aim: To introduce cadets to infantry weapon
Scope: Introduction to characteristics and capabilities of infantry weapons

- Characteristics of 5.56 INSAS rifle, ammunition, firepower, stripping, assembling and cleaning
- Organization of infantry battalion

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
- Indian Army War Heroes
- Study of Indo Pak wars of 1965, 1971 and Kargil

Unit-6 : Communication
Aim: To introduce cadets to latest trends in the field of communications Scope:
Types of communications and future trends
- Characteristics of walkie–talkie

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
- Organization of Ships and on board organization
- Naval customs and traditions
- Modes of entry into the Indian Navy

Unit-2 : Naval War fare and its Components
Aim: To impart basic knowledge about Naval Warfare
Scope: Overview of fleet operations to include aviation, submarine operations and missiles
- Introduction to anti-submarine warfare

Unit-3 : Naval Communication
Aim: To impart basic knowledge about Naval communication
Scope: To impart basic knowledge about naval communication organization, semaphore and wearing of flags
- Introduction to Semaphore
- Phonetic Alphabets

Unit-4 : Navigation
Aim: To impart basic knowledge about navigation
Scope: Basic navigation tactics and methods and equipment used for navigation
- Navigation of ships–basic requirements
- Types of compass–gyro and magnetic, types of North
- Simple chart work
- Brief characteristics of its tides and its effects on ships

Unit-5 : Seamanship
Aim: To impart basic knowledge about navigation Scope:
Basic navigation tactics and methods
- Types of anchor, purpose and holding ground

Unit-6 : 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
- Demonstrate rigging of a whaler and enterprise boat and parts of a sail
- Instructions in enterprise class boat including elementary sailing rules

Unit-7 : Fire Fighting, flooding and damage control
Aim: Introduction to fire-fighting, flooding and damage control
Scope: Impart basic knowledge about fire-fighting, flooding and damage control of a ship
- Causes of damage, flooding and damage control

Unit-8 : Ship and boat modeling
Aim: To impart basic knowledge about ship modeling to cadets
Scope: To impart basic knowledge about ship construction and boat modeling.
- Types of models
- Ship model competition
- Care and handling of power tools

Specialized Subject (Air Force)

Unit-1 : General Service Knowledge Aim:
To impart basic knowledge of IAF **Scope:**
Organization of IAF
- Organization of Air Force
- Branches of Air Force

Unit-2 : Air Campaigns
Aim: To introduce Air Campaigns of Air Force Scope: An overview of important campaigns
- Indo Pak War 1971
- OP Safed Sagar

Unit-3 :Aircraft Recognition
Aim: To introduce various aircrafts of the Air Force
Scope: Types, roles, variants of aircraft of the IAF
- Fighters
- Transports
- Helicopters

Unit-4 : Principles of Flight
Aim: To introduce principles of flight
Scope**:** To impart knowledge about basic principles on which aviation is based
- Bernauli's theorem and Venturi Effect
- Aerofoil
- Forces on an aircraft

Unit-5 : Airmanship
Aim: To introduce the concept of airmanship
Scope: ATC Procedures and basics of aviation medicine
- ATC/RT Procedure
- Aviation Medicine

Unit-6 : Navigation
Aim: To give basic knowledge of Air navigation Scope: Fundamentals of map reading from the air
- Requirement of navigation
- Glossary of terms

Unit-7 : Meteorology
Aim: To emphasize the need for knowledge of meteorology in aviation. Scope: Importance, various phenomena of weather and its effects on aviation
- Importance of met in aviation

Unit-8: Aero engines
Whole Unit deleted

Unit-9 : Air frames Whole Unit deleted
Unit-10 : Instruments Aim: To provide knowledge of aircraft instruments Scope: Introduction to Radars
Unit-11 : Aero-modeling Aim: To provide knowledge about aero modeling Scope: Materials used in different types of models. Building /Flying of aero-models