

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

2021-2022

Session 2021-22 exam will be held in 2 phases.

First Term Exam in November-December- **Multiple Choice Questions type**

Second Term exam in March-April 2022- **subjective type**

**Ist Term (MCQ)**

**Common Subject**

UNIT WITH TOPICS	MARKS
<p><b>Unit-2: Drill</b></p> <p>Aim: To inculcate a sense of discipline, improve bearing, smartness, and turnout and to develop the quality of immediate and implicit obedience of orders</p> <p>Scope: All important basic aspects of drill including ceremonial drill, drill with arms and words of command</p> <p>Drill with Arms</p> <ul style="list-style-type: none"><li>• Getting on parade with rifle and dressing at the order</li><li>• Dismissing and falling out</li><li>• Gun salute, Salami Shastra</li><li>• Squad drill</li><li>• Short/long trail from the order and vice-versa</li><li>• Examine arms Ceremonial Drill</li><li>• Guard Mounting</li></ul>	<p><b>07</b></p>
<p><b>Unit-3: Weapon Training</b></p> <p>Aim: To give elementary knowledge about rifles</p> <p>Scope: Basic knowledge about rifle and firing</p> <ul style="list-style-type: none"><li>• The lying position, holding and aiming</li><li>• Trigger operation and firing a shot</li><li>• Range precautions and safety precautions</li><li>• Theory of group and snap shooting</li></ul>	<p><b>04</b></p>
<p><b>Unit-5: Disaster Management</b></p> <p>Aim: To train Cadets to assist Civil administration in performance of selective duties during disasters</p> <p>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</p> <ul style="list-style-type: none"><li>• Fire Service and Fire Fighting</li><li>• Assistance during natural/ other calamities: Flood/ cyclone/ earthquake/ accident etc.</li></ul>	<p><b>06</b></p>

<p><b>Unit-7: Health and Hygiene</b></p> <p>Aim: To instill respect and responsibility towards personal health and hygiene</p> <p>Scope: Basic information about maintenance of health and hygiene, sanitation, disease and an elementary knowledge of First Aid and Nursing</p> <ul style="list-style-type: none"> <li>• Hygiene and sanitation (Personal and Food Hygiene)</li> <li>• Basics of first aid in common medical emergencies</li> <li>• Wounds and fractures</li> </ul>	<b>06</b>
<p><b>Unit-9 : Environment Awareness and Conservation</b></p> <p>Aim: To sensitize the cadets on natural resource conservation and protection of environment</p> <p>Scope: Basic understanding of environment in general and waste management in particular, energy conservation, pollution control and wildlife conservation in particular</p> <ul style="list-style-type: none"> <li>• Waste management</li> <li>• Pollution control water, air, noise, soil</li> </ul>	<b>02</b>

### **Specialized Subject (Army)**

<p><b>Unit-1 :Armed Forces</b></p> <p>Aim: To acquaint cadets with the Armed Forces</p> <p>Scope: Introductory and general information about the Armed Forces</p> <ul style="list-style-type: none"> <li>• Modes of entry into army</li> <li>• Honours and awards</li> </ul>	<b>02</b>
<p><b>Unit-2 : Map Reading</b></p> <p>Aim: To teach cadets elementary map reading</p> <p>Scope: Basic understanding of map sheets and map reading instruments and development of capability to use them to carry out simple map reading</p> <ul style="list-style-type: none"> <li>• Cardinal points and types of North</li> <li>• Types of bearings and use of service protractor</li> <li>• • Setting a map, finding North and own position</li> </ul>	<b>06</b>
<p><b>Unit-4 : Introduction to Infantry Weapons and Equipment</b></p> <p>Aim: To introduce cadets to infantry weapon</p> <p>Scope: Introduction to characteristics and capabilities of infantry weapons</p> <ul style="list-style-type: none"> <li>• Characteristics of 5.56 INSAS rifle, ammunition, firepower, stripping, assembling and cleaning</li> <li>• Organization of infantry battalion</li> </ul>	<b>02</b>

### Specialized Subject (Navy)

<p><b>Unit-1 : Naval Orientation and Service Subjects</b></p> <p>Aim: To impart basic knowledge about Navy</p> <p>Scope: Basic knowledge, history, current organization and role of different branches</p> <ul style="list-style-type: none"> <li>• Organization of Ships and on board organization</li> <li>• Naval customs and traditions</li> <li>• Modes of entry into the Indian Navy</li> </ul>	03
<p><b>Unit-2 : Naval War fare and its Components</b></p> <p>Aim: To impart basic knowledge about Naval Warfare</p> <p>Scope: Overview of fleet operations to include aviation, submarine operations and missiles</p> <ul style="list-style-type: none"> <li>• Introduction to anti-submarine warfare</li> </ul>	03
<p><b>Unit-5 : Seamanship</b></p> <p>Aim: To impart basic knowledge about navigation</p> <p>Scope: Basic navigation tactics and methods</p> <ul style="list-style-type: none"> <li>• Types of anchor, purpose and holding ground</li> </ul>	02
<p><b>Unit-7 : Fire Fighting, flooding and damage control</b></p> <p>Aim: Introduction to fire-fighting, flooding and damage control</p> <p>Scope: Impart basic knowledge about fire-fighting, flooding and damage control of a ship</p> <ul style="list-style-type: none"> <li>• Causes of damage, flooding and damage control</li> </ul>	02

### Specialized Subject (Air Force)

<p><b>Unit-1 : General Service Knowledge</b></p> <p>Aim: To impart basic knowledge of IAF</p> <p>Scope: Organization of IAF</p> <ul style="list-style-type: none"> <li>• Organization of Air Force</li> <li>• Branches of Air Force</li> </ul>	<b>01</b>
<p><b>Unit-5 : Airmanship</b></p> <p>Aim: To introduce the concept of airmanship</p> <p>Scope: ATC Procedures and basics of aviation medicine</p> <ul style="list-style-type: none"> <li>• ATC/RT Procedure</li> <li>• Aviation Medicine</li> </ul>	<b>02</b>
<p><b>Unit-3 :Aircraft Recognition</b></p>	

<p>Aim: To introduce various aircrafts of the Air Force</p> <p>Scope: Types, roles, variants of aircraft of the IAF</p> <ul style="list-style-type: none"> <li>• Fighters</li> <li>• Transports</li> <li>• Helicopters</li> </ul>	<b>02</b>
<p><b>Unit-6 : Navigation</b></p> <p>Aim: To give basic knowledge of Air navigation</p> <p>Scope: Fundamentals of map reading from the air</p> <ul style="list-style-type: none"> <li>• Requirement of navigation</li> <li>• Glossary of terms</li> </ul>	<b>03</b>
<p><b>Unit-7 : Meteorology</b></p> <p>Aim: To emphasize the need for knowledge of meteorology in aviation.</p> <p>Scope: Importance, various phenomena of weather and its effects on aviation</p> <ul style="list-style-type: none"> <li>• Importance of met in aviation</li> </ul>	<b>02</b>

<h2 style="margin: 0;">Practical</h2> <p><b>1st Term (School level) No External examiner</b></p> <ul style="list-style-type: none"> <li>• <b>Assignment/Project- 07 Marks</b> <p><b>Distribution of Marks</b></p> <ul style="list-style-type: none"> <li>i) Introduction-01 Mark</li> <li>ii) training Aid- 01 marks</li> <li>iii) Aim- 01 Mark</li> <li>iv) Explanation-03 Marks</li> <li>v) Precautions -01 Marks</li> </ul> <p>*Suggested Topics for Assignments/ Projects</p> <ol style="list-style-type: none"> <li>1.Squad Drill</li> <li>2.Guard Mounting</li> <li>3. Trigger Operation</li> <li>4. Theory of Grouping and Snap</li> <li>5. Fire Fighting</li> <li>6. Natural Disasters</li> <li>7. Hygiene and Sanitation</li> <li>8. Basics of First Aid</li> <li>9. Rain Water Harvesting</li> <li>10. Pollution</li> </ol> </li> <li>• <b>Drill Demonstration -05 Marks</b> <p>*Drill</p> <p>Getting on parade, Dressing, Dismissal and Fall out, Saluting with Weapon, Salami Shastra, Tol Shastra, Bhumi Shastra</p> </li> <li>• <b>Viva –Voce-03 Marks( Based on Assignment/Project/Drill Demonstration</b></li> <li>• Note: Assignments /Projects should not be repeated in other Term. They should be from the syllabus allotted in the term.</li> </ul>	<b>15</b>
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## 2nd Term (Subjective)

### Common Subject

<p><b>Unit-1: National Integration and Awareness</b></p> <p>Aim: To inculcate sense of patriotism, secular values and motivate cadets to contribute towards nation building through national unity and social cohesion</p> <p>Scope: The concepts of national interests, objectives and integration, unity in diversity and cultural heritage of India</p> <ul style="list-style-type: none"><li>• National Interests, Objectives, Threats ad Opportunities</li><li>• Problems/ Challenges of National Integration</li></ul>	<b>04</b>
<p><b>Unit-4 : Personality Development and Leadership</b></p> <p>Aim: To develop an all-round dynamic personality with adequate leadership traits to deal/ contribute effectively in all walks of life</p> <p>Scope: Basic subjects of leadership with emphasis on self-awareness, life/soft skills, time management and character building</p> <ul style="list-style-type: none"><li>• Self-Awareness-know yourself/ insight</li><li>• Inter personal relationship and communication</li><li>• Communication skills: group discussions/ lectures</li><li>• Time management</li><li>• Interview Skills</li><li>• Sociability: Social Skills</li></ul>	<b>10</b>
<p><b>Unit-6: Social Awareness Community Development</b></p> <p>Aim: To teach cadets the values and skills involved in providing voluntary Social Service</p> <p>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</p> <ul style="list-style-type: none"><li>• NGOs – Role and contribution</li><li>• Drug abuse and trafficking</li><li>• Corruption</li><li>• Social evils viz. dowry/ female feticide/ child abuse and trafficking etc.</li></ul>	<b>08</b>
<p><b>Unit-8: Adventure Training and Obstacle Training</b></p> <p>Aim: To inculcate a sense of adventure and develop confidence, courage and determination</p> <p>Scope: To expose cadets to various adventure activities</p> <ul style="list-style-type: none"><li>• Para sailing</li></ul>	<b>03</b>

### Specialized Subject (Army)

<p><b>Unit-3 : Field Craft and Battle Craft</b></p> <p>Aim: To teach cadets elementary field craft and battle craft</p> <p>Scope: Basic field craft and battle craft</p> <ul style="list-style-type: none"> <li>• Judging distance observation, camouflage and concealment</li> <li>• Field signals</li> </ul>	06
<p><b>Unit-5 : Military History</b></p> <p>Aim: To provide knowledge of renowned Military Generals, PVCs and Indo-Pak Wars</p> <p>Scope: Introduction to biographies, famous Indian battles and gallantry awards</p> <ul style="list-style-type: none"> <li>• Indian Army War Heroes</li> <li>• Study of Indo Pak wars of 1965, 1971 and Kargil</li> </ul>	02
<p><b>Unit-6 : Communication</b></p> <p>Aim: To introduce cadets to latest trends in the field of communications</p> <p>Scope: Types of communications and future trends</p> <ul style="list-style-type: none"> <li>• Characteristics of walkie-talkie</li> </ul>	02

### Specialized Subject (Navy)

<p><b>Unit-3 : Naval Communication</b></p> <p>Aim: To impart basic knowledge about Naval communication</p> <p>Scope: To impart basic knowledge about naval communication organization, semaphore and wearing of flags</p> <ul style="list-style-type: none"> <li>• Introduction to Semaphore</li> <li>• Phonetic Alphabets</li> </ul>	03
<p><b>Unit-4 : Navigation</b></p> <p>Aim: To impart basic knowledge about navigation</p> <p>Scope: Basic navigation tactics and methods and equipment used for navigation</p> <ul style="list-style-type: none"> <li>• Navigation of ships–basic requirements</li> <li>• Types of compass–gyro and magnetic, types of North</li> <li>• Simple chart work</li> <li>• Brief characteristics of its tides and its effects on ships</li> </ul>	03
<p><b>Unit-6 : Boat Work</b></p> <p>Aim: To impart basic knowledge about boats and its parts and steering of boats</p> <p>Scope: Introduction to boats and its parts including steering of boats and boat pulling</p>	02

<ul style="list-style-type: none"> <li>• Demonstrate rigging of a whaler and enterprise boat and parts of a sail</li> <li>• Instructions in enterprise class boat including elementary sailing rules</li> </ul>	
<p><b>Unit-8 : Ship and boat modeling</b></p> <p>Aim: To impart basic knowledge about ship modeling to cadets</p> <p>Scope: To impart basic knowledge about ship construction and boat modeling.</p> <ul style="list-style-type: none"> <li>• Types of models</li> <li>• Ship model competition</li> <li>• Care and handling of power tools</li> </ul>	02

### Specialized Subject (Air Force)

<p><b>Unit-2 : Air Campaigns</b></p> <p>Aim: To introduce Air Campaigns of Air Force</p> <p>Scope: An overview of important campaigns</p> <ul style="list-style-type: none"> <li>• Indo Pak War 1971</li> <li>• OP Safed Sagar</li> </ul>	<b>02</b>
<p><b>Unit-4 : Principles of Flight</b></p> <p>Aim: To introduce principles of flight</p> <ul style="list-style-type: none"> <li>• Scope: To impart knowledge about basic principles on which aviation is based</li> <li>• Bernauli's theorem and Venturi Effect</li> <li>• Aerofoil</li> <li>• Forces on an aircraft</li> </ul>	<b>04</b>
<p><b>Unit-10 : Instruments</b></p> <p>Aim: To provide knowledge of aircraft instruments</p> <ul style="list-style-type: none"> <li>• Introduction to Radars</li> </ul>	<b>02</b>
<p><b>Unit-11 : Aero-modeling</b></p> <p>Aim: To provide knowledge about aero modeling</p> <p>Scope: Materials used in different types of models.</p> <ul style="list-style-type: none"> <li>• Building /Flying of aero-models</li> </ul>	<b>02</b>

## Practical

2nd Term (External Examiner will be deputed by CBSE)

- **Assignment/Project- 07 Marks**

**Distribution of Marks**

- i) Introduction-01 Mark
- ii) training Aid- 01 marks
- iii) Aim- 01 Mark
- iv) Explanation-03 Marks
- v) Precautions -01 Marks

\*Suggested Topics for Assignments/ Projects

- 1.National Integration
- 2.Contribution of Youth in Nation Building
3. NGOs –Role and Contribution
4. Fire Service And Fire Fighting
5. Dowry
6. Time Management
7. Personality
8. Communication skills
9. Drug Abuse and Trafficking
10. Adventure Training -Parasailing

- **Drill Demonstration -05 Marks**

\*Drill

Squad Drill, Salute while moving, Short Trail, Long Trail, Examine Arms( Janch Shastra) Ceremonial Drill, Guard of Honour, Drill Test( 1 to 14)

- **Viva –Voce-03 Marks( Based on Assignment/Project/Drill Demonstration**

- Note: Assignments /Projects should not be repeated in other Term. They should be from the syllabus allotted in the term.

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