

Agenda No.2.03 in AC
and Date:23-03-2022

University of Mumbai



**Vidya Prasarak Mandal's
K.G. Joshi College of Arts & N.G. Bedekar College of
Commerce, Thane.
(Autonomous)**

(Affiliated to University of Mumbai)

Syllabus for SYBCOM

Program: B. COM.

Specific Programme: NCC Studies – JBCUCNCC

Year of Establishment: 1969

Year of Upgrading: 2022-23

Specific Programme: NCC Studies – JBCUCNCC

PREAMBLE

This course is designed to give exposure to the NCC cadets to the basic principles of NCC subject. The emphasis will be on the development of analytical thinking and to develop the skill of application of NCC subject concepts to analyse the defense, discipline and confidence in the real life situations.

Examination:

The theory examination of each semester shall be conducted by the college and practical will be conducted during the regular parade days. Examination will comprise of internal and external assessment as per the University Ordinances/Rules/Regulations framed from time to time.

NOTE

The NCC 'B' and 'C' Certificate examinations are independent of the college examinations for being conducted by the NCC separately for the aspiring Cadets.

Mode of Delivery: Offline (Online, in case of emergency)

DISTRIBUTION OF TOPICS AND CREDITS

Paper No	Paper Name	Semester	Course Nomenclature	Course Code	Credits
1	NCC Studies	III	NCC Studies -III	JBCUCNCC301	3
		IV	NCC Studies -IV	JBCUCNCC401	3

PROGRAMME - SPECIFIC OUTCOMES

PSO	PSO Description
PSO1	To make the learners aware about exposure to a range of subjects from Humanities to Science and Technology, apart from the Military Subjects taught both theoretically and practically.
PSO2	To reinforce the aims, motto, vision & mission of the NCC through the academic curriculum
PSO3	To sensitize students towards social climate and culture
PSO4	To equip the learners with the skills of citizenship
PSO5	To take up careers in civil services, defense, paramilitary, police and security forces further prompting increased demand by the students, augmenting recruitment standards of NCC.

Semester- III

NCC Studies-III

Course Nomenclature: NCC Studies -III

Course Code: JBCUCNCC301

COURSE OUTCOMES

- 1) To acquaint the students about NCC, National Integration & Awareness
- 2) To help the students to understand about Foot Drill
- 3) To provide an overview of Adventure Training and Environment Awareness and Conservation.
- 4) To familiarize students with the Personality Development and Leadership skill.
- 5) To provide information on Army, Navy and Air-force as specialized subject

Syllabus

Unit		Lectures
Unit 1:	National Integration & Awareness i. Freedom Struggle and nationalist movement in India. ii. National interests, Objectives, Threats and Opportunities. iii. Problems/ Challenges of National Integration. iv. Unity in Diversity	9
Unit 2:	Drill: Foot Drill i. Side pace, pace forward and to the rear ii. Turning on the march and whiling iii. Saluting on the march iv. Marking time, forward march and halt in quick time v. Changing step vi. Formation of squad and squad drill	8
Unit 3:	A. Adventure Training Obstacle course, Slithering, Trekking, Cycling, Rock Climbing, Para Sailing, Sailing, Scuba Diving etc. B. Environment Awareness and Conservation i. Waste management ii. Pollution control, water, Air, Noise and Soil	6
Unit 4:	Personality Development and Leadership i. Time management ii. Effect of Leadership with historical examples iii. Interview Skills iv. Conflict Motives- Resolution	10

<p>Unit 5:</p>	<p>Specialized subject (ARMY)</p> <p>A. Armed Force</p> <p>i. Task and Role of Fighting Arms</p> <p>ii. Modes of Entry to Army</p> <p>iii. Honors and Awards</p> <p>B. Introduction to Infantry and weapons and equipments</p> <p>i. Characteristics of 5.56mm INSAS Rifle, Ammunition, Fire power, Stripping, Assembling and Cleaning</p> <p>ii. Organization of Infantry Battalion.</p> <p>C. Military history</p> <p>i. Study of battles of Indo-Pak War 1965,1971 and Kargil</p> <p>ii. War Movies</p> <p>D. Communication</p> <p>i. Characteristics of Walkie-Talkies</p> <p>ii. Basic RT Procedure</p> <p>iii. Latest trends and Development (Multi Media, Video Conferencing, IT)</p> <p style="text-align: center;">OR</p>	<p>12</p>
	<p>Unit 5: Specialized subject (NAVY)</p> <p>A. Naval orientation and service subjects</p> <p>i. Organization of Ship- Introduction on Onboard Organization</p> <p>ii. Naval Customs and Traditions</p> <p>iii. Mode of Entry into Indian Navy</p> <p>iv. Branches of the Navy and their functions</p> <p>v. Naval Campaign (Battle of Atlantic, Pearl Harbour, Falkland War/Fleet Review/ PFR/ IFR)</p> <p>B. Ship and Boat Modelling</p> <p>i. Types of Models</p> <p>ii. Introduction of Ship Model- Competition Types of Model Prepare in NSC and RDC</p> <p>iii. Care and handling of power-tools used- maintenance and purpose of tools</p> <p>C. Search and Rescue</p> <p>i. Role of Indian Coast Guard related to SAR.</p> <p>D. Swimming</p> <p>i. Floating and Breathing Techniques- Precautions while Swimming</p> <p style="text-align: center;">OR</p>	

	<p>Specialized subject (AIR)</p> <p>A. General Service Knowledge</p> <p>i. Organization Of Air Force</p> <p>ii. Branches of the IAF.</p> <p>B. Principles of Flight</p> <p>i. Venturi Effect</p> <p>ii. Aerofoil</p> <p>iii. Forces on an Aircraft</p> <p>iv. Lift and Drag</p> <p>C. Airmanship</p> <p>i. ATC/RT Procedures</p> <p>ii. Aviation Medicine</p> <p>D. Aero- Engines</p> <p>i. Types of Engines</p> <p>ii. Piston Engines</p> <p>iii. Jet Engines</p> <p>iv. Turboprop Engines</p>	
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Semester –IV

NCC Studies-IV

Course Nomenclature: NCC Studies -IV

Course Code: JBCUCNCC401

COURSE OUTCOMES

- 1) To acquaint the students with the concept of Disaster Management and Social Awareness and Community Development
- 2) To make students understand the Health and Hygiene
- 3) To explain the learners about Drill with Arms
- 4) To elucidate Weapon Training.
- 5) To provide information on Army, Navy and Air-force as specialized subject

Syllabus

Unit		Lectures
Unit 1:	<p>A. Disaster Management</p> <p>i. Fire Services & Fire fighting</p> <p>ii. Assistance during Natural / Other Calamities: Flood / Cyclone/ Earth Quake/ Accident etc.</p> <p>B. Social Awareness and Community Development:</p> <p>i. NGOs: Role & Contribution</p> <p>ii. Drug Abuse & Trafficking</p> <p>iii. Corruption</p> <p>iv. Social Evil viz. Dowry/ Female Foeticide/Child Abuse & trafficking etc.</p> <p>v. Traffic Control Org. & Anti drunken Driving</p>	9
Unit 2:	<p>Health and Hygiene</p> <p>i. Hygiene and Sanitation (Personal and Food Hygiene)</p> <p>ii. Basics of Home Nursing & First-Aid in common medical emergencies</p> <p>iii. Wound & Fractures</p>	8
Unit 3:	<p>Drill with Arms</p> <p>i. Getting on Parade with Rifle and Dressing at the Order</p> <p>ii. Dismissing and Falling Out</p> <p>iii. General Salute, Salami Shastra</p> <p>iv. Squad Drill</p> <p>v. Short/Long tail from the order and vice-versa</p> <p>vi. Examine Arms</p>	6
Unit 4:	<p>Weapon Training</p> <p>i. The lying position, Holding and Aiming- I</p> <p>ii. Trigger control and firing a shot</p> <p>iii. Range procedure and safety precautions</p> <p>iv. Theory of Group and Snap Shooting</p> <p>v. Short range firing, Aiming- II -Alteration of sight</p>	10
Unit 5:	<p>Specialized subject (ARMY)</p> <p>A. Map reading</p> <p>i. Setting a Map, finding North and own position</p> <p>ii. Map to ground, Ground to Map</p> <p>iii. Point to Point March</p> <p>B. Field Craft and Battle Craft</p> <p>i. Observation, Camouflage and Concealment</p> <p>ii. Field Signals</p> <p>iii. Types of Knots and Lashing</p>	12

C. Introduction to advanced weapons and role of technology

OR

Specialized subject (NAVY)

A. Naval Communication

- i. Semaphore
- a) Phonetic Alphabets
- b) Radio Telephony Procedure
- c) Wearing of National Flag, Ensign and Admiral's Flag.

B. Seamanship

A. Anchor work

- i. Types of Anchor, Purpose and Holding ground

B. Boat work

- i. Demonstrate Rigging a whaler and enterprise boat- Parts of Sail and Sailing Terms
- ii. Instructions in Enterprise Class Board including theory of Sailing, Elementary Sailing Tools
- iii. Types of Power Boats Used in the Navy and their uses, Knowledge of Anchoring, Securing and Towing a Boat

C. Introduction to advanced weapons and role of technology

OR

Specialized subject (AIR)

A. Air frames

- i. Fuselage
- ii. Main and Tail Plain

B. Instruments

- i. Introduction to RADAR

C. Aero modelling

- i. Flying/ Building of Aero models

D. Introduction to advanced weapons and role of technology

REFERENCES

Title	Authors	Publication
Cadet's Hand book – Common subject..all wings.	--	BY DG NCC, New Delhi.
Cadet's Hand book – Specialised Subjects, Army, Navy, Air-force	--	BY DG NCC, New Delhi
NCC OTA Precise	--	BY DG NCC, New Delhi
National Cadet Corps (India)	Lambert M. Surhone, Mariam T. Tennoe, Susan F. Henssonow	Betascript Publishing, 2011
National Cadet Corps, Youth in Action (Google eBook)	National Cadet Corps (India)	Lancer Publishers, 2003
Youth in Step: History of the National Cadet Corps	V. Longer	Lancer international, 1983 Original from the University of Michigan
National Cadet Corps of India	Man Mohan Sharma	Vision Books, 1980 Original from the University of Michigan
The National Cadet Corps Act, 1948, as Modify Up to the 1st July 1963	India	Government of India Press, 1963 (Military Law)
Cadet Corps in India: Its Evolution and Impact	Satis Chandra Maikap	Darbari Udyog, 1979 Original from the University of California
National Cadet Corps: 100 Years of Distinction	National Cadet Corps (Singapore)	NCC
The NCC	Singapore, National Cadet Corps Council	National Cadet Corps Council
Grooming Tomorrow's Leaders: National Cadet Corps, 1917-2006	R.S. Chhettri	Lancer Publishers, 2006
National Civil Defence Cadet Corps	Lambert M. Surhone, Mariam T. Tennoe, Susan F. Henssonow	Betascript Publishing, 2011

Modality of Assessment

Serial No.	Evaluation Type	Marks
1	Drill and Word of command /Written Test	20
2	Project, assignment etc	15
3	NCC Song and Class Participation	05
	Total:	40

A. Internal Assessment: 40% - 40 Marks

B. External Examination: 60%- 60 Marks

Semester End Theory Examination

Time: 2 hours

- NB. 1. All questions are compulsory.
 2. Each question has internal options.
 3. Figures to the right indicate marks.

Questions No.	Sub- Questions	Marks
1	A. Short question (from Unit I) B. Short question (from Unit I) OR C) Short question (from Unit I) D) Short question (from Unit I)	12
2	A. Short question (from Unit II) B. Short question (from Unit II) OR C) Short question (from Unit II) D) Short question (from Unit II)	12
3	A. Short question (from Unit III) B. Short question (from Unit III) OR	12

- C) Short question (from Unit III)
- D) Short question (from Unit III)
- 4 A. Short question (from Unit IV) 12
- B. Short question (from Unit IV)

OR

- C) Short question (from Unit IV)
- D) Short question (from Unit IV)
- 5 Short note on **Specialized subject from Unit No.V** 3 x 4= 12
(**ARMY/NAVY/AIRFORCE**)
(Any three out of five)

