

**SOLAPUR UNIVERSITY, SOLAPUR**  
**B.A. Part-II Semester Pattern**  
**N.C.C.(Military Science) Paper II Semester III**  
**Syllabus**  
**(Boys)**

Theory 25 Marks + Practical 25 Marks = 50 marks.

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**Semester III**

**A) Military Science:-**

- 1) Importance of Military Science as Subject.
- 2) The Impact of Modern Technology on Defense.

**B) Drill Training:-**

- 1) Words of Command and individual Practice.
- 2) Foot Drill – Squad Drill.
- 3) Arms Drill – Bagal Shast(r), Bazu Shast(r), Salami Shast(r). Marching with Arms and Examine Arms.
- 4) Ceremonial Drill, Guard of Honour.

**C) Map Reading :-**

- 1) The Grid System - Four Figure Grid Reference, Six - Figure Grid Reference.
- 2) Types of North.
- 3) Types of Bearings.
- 4) Conversion of Forward Bearing into Back Bearing.

**D) Selection of Camp Site:-**

- 1) Ideal Camp Site.
- 2) Characteristics of an Ideal Camp Site.
- 3) Types of Camps.

**E) Field Training:-**

- 1) Movement with and without Arms.
- 2) Platoon Formation.
- 3) Camouflage and Concealment.

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Theory 25 Marks + Practical 25 Marks = 50 marks.

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**Semester IV**

**A) Weapon Training:-**

- 1) Characteristics of Infantry Section weapons.  
.22 Rifle, .303 Rifle, 7.62 mm SLR and 7.62 mm LMG.
- 2) Practical handling of 7.62 mm SLR and 7.62 mm LMG,  
Stripping and Assembling.

**B) Operation of War:-**

- 1) Advance.
- 2) Attack.
- 3) Defence.
- 4) Patrols and Ambushes.
- 5) Special Mission. (River Crossing)

**C) Military History:-**

- 1) Principles of War.
- 2) Indo-Pak War of 1971.
- 3) Kargil Conflict – 1999.
- 4) India's Neighbours.

**D) Military Geography:-**

- 1) India's Geographical Location and its impact on India's  
Defence.
- 2) Importance of Indian Ocean.
- 3) Border and its Safety.

**E) Leadership:-**

- 1) Citizen – Elements of Good Citizen.
- 2) Rights of Good Citizen.
- 3) Morale.
- 4) Study of Selected Military Leaders – Shivaji and Akbar.

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**Semester III**

**Periods**

<b>Sr. No.</b>	<b>Chapter</b>	<b>Theory</b>	<b>Practical</b>	<b>Total</b>
1	Military Science	04	-	04
2	Drill Training	04	10	14
3	Map Reading	08	08	16
4	Selection of Cam Site	06	04	10
5	Field Training	08	08	16
	<b>Total</b>	<b>30</b>	<b>30</b>	<b>60</b>

**Semester IV**

**Periods**

<b>Sr. No.</b>	<b>Chapter</b>	<b>Theory</b>	<b>Practical</b>	<b>Total</b>
1	Weapon Training	03	15	18
2	Operation of War	08	04	12
3	Military History	08	-	08
4	Military Geography	08	02	10
5	Leadership	08	04	12
	<b>Total</b>	<b>35</b>	<b>25</b>	<b>60</b>

## Reference Books:-

1. Pletier Louis & G. Etzel Percy – Military Geography
2. Maj. Gen. (Retd.) F.M. Richardson - Fighting Spirit 1978, Natraj Publication, Deharadun.
3. J.N. Sarkar - Military History of India (New Delhi Orient Longman, 1973)
4. S.N. Sen -The Military System of Marathas (New Delhi K.P. Bagchicom, 1977)
5. Brig. K.G. Pitre – War History of Marathas (Pune K. G. Pitre, 1988)
६. पित्रे का.ग.- हिंदूस्थानचा संक्षिप्त युद्ध इतिहास (मुंबई नव चैतन्य प्रकाशन, १९९९)
7. डॉ. रोडे सोमनाथ - मराठ्यांचा इतिहास (पिंपळापूरे अॅण्ड कंपनी पब्लिशर्स, नागपूर, १९९८)
8. ले.ज. जेकब जे. एफ. आर. ढाक्याची शरणागती (अक्षर प्रकाशन मुंबई, १९९८)
9. डॉ. स्तू. कृष्णकुमार - कारगील संघर्ष (पोइंटर पब्लिशर्स, जयपूर, २०००)
10. N.C.C. Cadet Handbook (Kranti Prakashan, Itava, M.P.)
11. Précis – O.T.A. Kamptee Nagpur
12. N.C.C. Yearly Magazine.

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Theory 25 Marks + Practical 25 Marks = 50 marks.

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**Semester III**

**A) Drill:-**

- 1) Arms Drill IP.
- 2) Ceremonial Drill IP.

**B) Map Reading :-**

- 1) Preparation of Night March Chart.
- 2) Point to Point March and It's Practice.

**F) Contribution of Great Warriors towards the Act of War:-**

- 1) Nepolean the Great.
- 2) Shivaji the Great.

**G) Civil Defence/Civil Affairs:-**

- 1) Disaster Management and its Importance.
- 2) Natural and Man Made Calamities.
- 3) Aid to Civil Authorities – Accidents, Floods, Fire, Earthquakes, Famines and Cyclones.

**H) Self Defence:-**

- 1) Importance of Self Defence.
- 2) Essential things for Unarmed Combat.
- 3) Vulnerable Parts of the Body.
- 4) Types of Attack- Chainjab, The Knee blow, The Kick, The Wrist lock.

**I) National Integration:-**

- 1) National Integration – It's Importance and Necessity.
- 2) Factors harmful for National Integration.
- 3) Contribution of Cadets, ANO's and N.C.C. in Nation building.

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**Semester IV**

**A) Weapon Training:-**

- 1) Range Procedure and Safety Precautions.
- 2) Firing – Aiming, Firing and its type's – Grouping, Snap, Application.

**B) Environment and Ecology:-**

- 6) Introduction to Environment and Ecology.
- 7) Conservation of Forests and Wild Life.
- 8) Pollution and its types.

**F) Social Service:-**

- 5) Social Service and its Need.
- 6) Social Service activities done in N.C.C.
- 7) N.C.C. Cadets and their contribution to society.
- 8) Blood Donation, Tree Plantation, Family Planning, Anti-Dowery Movement.

**G) Hygiene and Sanitation:-**

- 4) Importance of Personal hygiene.
- 5) Sleep, Bathing, Eating, Drinking, Exercises, Habits and Cleanliness.
- 6) Prevention of AIDS.

**H) First Aid:-**

- 1) Importance of First Aid.
- 2) Essentials of First Aider.
- 3) First Aid for Snake-bite, Sun-stroke, Shock, Burning, Drowning, Bleeding and Dog-bite.

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**Semester III**

**Periods**

<b>Sr. No.</b>	<b>Chapter</b>	<b>Theory</b>	<b>Practical</b>	<b>Total</b>
1	Drill	04	10	14
2	Map Reading	06	06	12
3	Cont. Great Warriors	06	-	06
4	Civil Defence & Affairs	04	06	10
5	Self Defence	05	04	09
<b>6</b>	National Integration	05	04	09
	<b>Total</b>	<b>30</b>	<b>30</b>	<b>60</b>

**Semester IV**

**Periods**

<b>Sr. No.</b>	<b>Chapter</b>	<b>Theory</b>	<b>Practical</b>	<b>Total</b>
1	Weapon Training	04	12	16
2	Environment & Ecology	06	08	14
3	Social Service	06	10	16
4	Hygiene & Sanitation	06	-	06
5	First Aid	06	02	08
	<b>Total</b>	<b>28</b>	<b>32</b>	<b>60</b>

### **Reference Books:-**

1. Pletier Louis & G. Etzel Percy – Military Geography
2. Maj. Gen. (Retd.) F.M. Richardson - Fighting Spirit 1978, Natraj Publication,  
Deharadun.
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४. पित्रे का.ग.- हिंदूस्थानचा संक्षिप्त युद्ध इतिहास (मुंबई नव चैतन्य प्रकाशन, १९९९)
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Theory 25 Marks + Practical 25 Marks = 50 marks.

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**Semester III**

**A) Military Science:-**

- 1) Importance of Military Science as Subject.
- 2) The Impact of Modern Technology on Defense.

**B) Drill Training:-**

- 5) Words of Command and individual Practice.
- 6) Foot Drill – Squad Drill.
- 7) Arms Drill – Bagal Shast(r), Bazu Shast(r), Salami Shast(r). Marching with Arms and Examine Arms.
- 8) Ceremonial Drill, Guard of Honour.

**J) Map Reading :-**

- 1) Scale.
- 2) The Grid System - Four Figure Grid Reference, Six - Figure Grid Reference.
- 3) Types of North.
- 4) Types of Bearings.
- 5) Conversion of Forward Bearing into Back Bearing.
- 6) Map to Ground and Ground to Map.

**K) Selection of Camp Site:-**

- 1) Ideal Camp Site.
- 2) Characteristics of an Ideal Camp Site.
- 3) Types of Camps.

**L) Field Training:-**

- 1) Movement with and without Arms.
- 2) Platoon Formation.
- 3) Camouflage and Concealment.

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**Semester IV**

**A) Weapon Training:-**

- 1) Characteristics of Infantry Section weapons.  
.22 Rifle, .303 Rifle, 7.62 mm SLR and 7.62 mm LMG.
- 2) Practical handling of 7.62 mm SLR and 7.62 mm LMG,  
Stripping and Assembling.

**B) Field Craft:-**

- 9) Field Signals.
- 10) Judging Distance and its types.
- 11) Section Formations.
- 12) Fire Control Orders.

**I) Military History:-**

- 9) Principles of War.
- 10) Indo-Pak War of 1971.
- 11) Kargil Conflict – 1999.
- 12) India's Neighbours.

**J) Military Geography:-**

- 7) India's Geographical Location and its impact on India's  
Defence.
- 8) Importance of Indian Ocean.
- 9) Border and its Safety.

**K) Human Resource Development :-**

- 1) Values and Code of Ethics.
- 2) Communication.
- 3) Motivation.
- 4) Decision-Making.
- 5) Character – Personality Development.

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**Semester III**

**Periods**

<b>Sr. No.</b>	<b>Chapter</b>	<b>Theory</b>	<b>Practical</b>	<b>Total</b>
1	Military Science	04	-	04
2	Drill Training	04	10	14
3	Map Reading	08	08	16
4	Selection of Cam Site	06	04	10
5	Field Training	08	08	16
	<b>Total</b>	<b>30</b>	<b>30</b>	<b>60</b>

**Semester IV**

**Periods**

<b>Sr. No.</b>	<b>Chapter</b>	<b>Theory</b>	<b>Practical</b>	<b>Total</b>
1	Weapon Training	02	14	16
2	Field Craft	06	06	12
3	Military History	08	06	14
4	Military Geography	08	02	10
5	Human Resource Development	06	02	08
	<b>Total</b>	<b>30</b>	<b>30</b>	<b>60</b>

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8. N.C.C. Yearly Magazine.
9. Dr. L. R. Singh – National Security Problems in India  
(New Delhi Ashish, 2000)
१०. पित्रे का.ग.- हिंदूस्थानचा संक्षिप्त युद्ध इतिहास (मुंबई नव चैतन्य प्रकाशन, १९९९)
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**Semester III**

**A) Drill:-**

- 1) Arms Drill IP.
- 2) Ceremonial Drill IP.

**B) Map Reading:-**

- 1) Preparation of Night March Chart.
- 2) Point to Point March and It's Practice.

**M) Civil Defence/Civil Affairs:-**

- 1) Disaster Management and its Importance.
- 2) Natural and Man Made Calamities.
- 3) Aid to Civil Authorities – Accidents, Floods, Fire, Earthquakes, Famines and Cyclones.

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- 1) Importance of Self Defence.
- 2) Essential things for Unarmed Combat.
- 3) Vulnerable Parts of the Body.
- 4) Types of Attack- Chainjab, The Knee blow, The Kick, The Wrist lock.

**O) Nation Building:-**

- 1) National Integration – It's Importance and Necessity.
- 2) Factors harmful for National Integration.
- 3) Contribution of Cadets, ANO's and N.C.C. in Nation building.

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**A) Weapon Training:-**

- 1) Range Procedure and Safety Precautions.
- 2) Firing – Aiming, Firing and its type's – Grouping, Snap, Application.

**B) Environment and Ecology:-**

- 13) Introduction to Environment and Ecology.
- 14) Conservation of Forests and Wild Life.
- 15) Pollution and its types.

**L) Social Service:-**

- 13) Social Service and its Need.
- 14) Social Service activities done in N.C.C.
- 15) N.C.C. Cadets and their contribution to society.
- 16) Blood Donation, Tree Plantation, Family Planning, Anti-Dowery Movement.

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- 10) Importance of Personal hygiene.
- 11) Sleep, Bathing, Eating, Drinking, Exercises, Habits and Cleanliness.
- 12) Prevention of AIDS.

**N) First Aid:-**

- 1) Importance of First Aid.
- 2) Essentials of First Aider.
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**Semester III**

**Periods**

<b>Sr. No.</b>	<b>Chapter</b>	<b>Theory</b>	<b>Practical</b>	<b>Total</b>
1	Drill	06	12	18
2	Map Reading	06	08	14
3	Civil Defence & Affairs	08	-	08
4	Self Defence	06	08	14
5	Nation Building	06	-	06
	<b>Total</b>	<b>32</b>	<b>28</b>	<b>60</b>

**Semester IV**

**Periods**

<b>Sr. No.</b>	<b>Chapter</b>	<b>Theory</b>	<b>Practical</b>	<b>Total</b>
1	Weapon Training	04	08	12
2	Environment & Ecology	06	08	14
3	Social Service	06	08	14
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5	First Aid	06	04	10
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6. Précis – O.T.A. Kamptee Nagpur and Gwalior.
7. N.C.C. Yearly Magazine.
8. Rajesh Kadian – India and its Army, New Delhi Vision.
9. Mishra H.B. – Defence Management in India, Author Press, New Delhi, 2000
10. Lt. Col. Abhayankar M.G.- Defence Principles and Organization, Usha Publication, Pune University, Pune
11. Youth in Step, D.G.N.C.C., New Delhi.
12. Annual Report of the Ministry of Defence Government of India.