

**Swami Ramanand Teerth
Marathwada University,
Nanded**

**B.A. Third Year
Military Science**

Syllabus

Semester Pattern

Effective From June 2010

Revised Syllabus for B.A. Third Year

Military Science

The following shall be the scheme for examination and teaching for military science optional subject for B.A. Third year.

Paper No.	Name of the Paper	Type of the paper	Number of Periods per Week	Mark Each Paper
V	India's National Security	Theory (Written) Three hours	04	100
VI	Modern Warfare	Theory (Written) Three Hours)	04	100
OR				
VI	Geopolitics and Military Geography	Theory (Written) Three Hours)	04	100
OR				
VI	Indian Military History	Theory (Written) Three Hours)	04	100
VII	Practical	Practical	04	100

Note: 1) One Practical batch should not be consisted more than 15 student for B.A. Third Year.

2) One Practical period should be 0.50 Hours

3) Paper No. VI – Indian Military History is only for old pattern students.

B.A. III (Year)
Paper V
India's National Security

Marks 100

1. National Security

- Meaning and concept
- Scope of National Security
- Traditional and Non-Traditional Security
- Comprehensive Security
- National Interest

2. National Security Problems

- **Internal:** Social, Political, Economical
- **External:** Neighbour Countries

3. India's National Power

- Meaning
- Elements of National power Geographical, Natural Resources population, Military Capability, Science and Technology, Economic system, Political System, Moral, Leadership.

4. India's Foreign Policy

- Objectives
- Basic Principles
- India's foreign policy after – 1947.

5. India's Defence Policy

- Capability factor – the Military
- Modernisation factor

6. India's Nuclear Policy

- After 1947
- C.T.B.T.

7. India and Indian Ocean

- Geographical and Strategic Importance
- Naval Power's in Indian Ocean
- India's Ocean Policy

8. India and SAARC

- Objectives
- SAARC Conference's
- India's Role in SAARC

9. India and its Neighbours

- Indo-Pak Relation – Focus on Kashmir
- India-Srilanka – Tamil Problem
- India – Bangladesh – Border Problem
- Indo-China – Border dispute

10. India and US, Russia

REFERENCES

- Nuclear Proliferation and National Security – K.Subramayam
- India's Defence Policy – Gautum Sen
- Foreign Policy of India – K.P. Mishra
- National Security Problems in India – L.R. Singh
- India-China border dispute – Dr.M.L. Sali
- Ethnic Conflict in Srilanka – Dr. P.A. Ghosh.
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B.A. III (Year)
Paper VI
Modern Warfare

Marks 100

1. WAR

- Meaning, Definition
- Scope
- Causes
- Principles
- Effects

2. CONVENTIONAL WARFARE

- Meaning
- Concept
- Limited war
- Total war

3. NUCLEAR WARFARE

- Meaning
- Concept
- Developments
- 1945 Nuclear War

4. COLD WAR

- Meaning and Definition
- Causes
- Military Organisation's : NATO, WARSA, CENTO, SEATO

5. MISSILES

- Concept

- Types of Missiles
- India's Missiles programme
- Missiles of USA, Russia, China, Pakistan

6. GUERILLA WARFARE

- Meaning and Concept
- Principles and Characteristics
- Contributors to the Guerilla war Shivaji and Mao.

7. CHEMICAL WARFARE

- Meaning
- Objectives
- Types
- Effects

8. BIOLOGICAL WARFARE

- Meaning
- Objectives
- Types
- Effects

9. PSYCHOLOGICAL WARFARE

- Meaning
- Objectives
- Elements
- Effects

10. ELECTRONIC WARFARE

- Meaning
- Aspect

11. ENVIRONMENTAL WARFARE

- Meaning

-- Concept

12. CYBER WARFARE

-- Meaning

-- Concept

REFERENCES

1. On War (Ed.) Clausewitz (London 1968)
2. The Principles of War – Foch Ferdinand
3. India and Nuclear Challenge – K.Subramanyam
4. Strategy in the Missile Age – Brodie B.
5. Contemporary Military Strategy – Halperin Morton
6. Nuclear war and Nuclear Pease – Harkabi Y.
7. Guerilla Warfare – Mao – Tse – Tung
8. Machine Warfare – Fuller J.F.C.
9. A Hundred Years of war – Cyrill Fall
10. Causes of war – Baileys G.
- 11- jk"Vh; I g{kk & MKWV' kkdth fl g
- 12- jk"Vh; I g{kk & MKWYyuth fl g
- 13- ; qn vks ' kkrdh l eL; k; a & MKWYyuth fl g
- 14- I kefjd' kkl= & MKWJhdkar ijkatis
- 15- vk/kfud ; qni/nrh & MKWpkSkjh , -ih-
- 16- ; qnfokku & ik-pkSkjh , -ih-

B.A. III (Year)
Paper VI
Geo-Politics and Military Geography

Marks 100

1. Geo-Strategy

- a) Meaning, Definition and concepts
- b) Scope and Importance
- c) Usage of Geostrategy

2. Geo-Strategical Minerals

- a) **Importance** – Coal, Iron, Copper, Bauxite, Manganese, Uranium, Gold and Silver.
- b) Usage of Geostrategical Minerals
- c) Geostrategical Importance of Western – Asia
- d) Geo strategical importance of oil, Petrol, Natural Gas & Atomic Energy.

3. Geo Strategic Importance

- a) Diego – Garcia
- b) Andaman – Nikobar
- c) J & K, Afghanistan.

4. Geo-Strategical Importance of Himalayan States Nepal, Butan.

5. Geo Strategical Issues of India

- a) Northern Border
- b) Western Border
- c) Maritime Boundries.

6. Geo Politics

Meaning, Definition & Concepts

- a) Objectives, Nature and Scope
 - b) Importance of Geo Politics (Peacetime & Wartime)
- 7. Evolution of Geopolitical Thoughts**
- a) Machinder's Heartland Theory and Its Criticism
 - b) Admiral mahan's Sea- Power Theory Dr.Karl Houshofer.
 - c) Dohet
- 8. Military Geography**
- a) Meaning, Defination
 - b) Scope, Concept and Uses.
 - c) Principal of Military Geography
 - d) Importance of Military Geography
- 9. Geographical Factors Affecting War**
- a) Location
 - b) Climate
 - c) Boundaries
 - d) Topography
 - e) Shape
 - f) Size
- 10. Impact of Geography of Military – Operations**
- a) Land, Air & Sea
 - b) Logistics - Concept, Principles, Resources & Problems in Plain, Desert, Jungle, High Altitudes Area, River Crossing, Sea & Air.

REFERENCES

1. Peter Louis and P.G. Etzel, Military Geography.
2. Jaggitsing, Air power.
3. Jufferies Williams, Geography and National power.
4. Das S.T., Geographical Studies in Defence Strategy.

5. Bhagwat A.V., Lashkari Bhugol.
6. Khus Khor, War Potential of Nations.
7. Harmidi, Systematic Political Geography.
8. Sing Sukwant, Defence of Indian Western – Border.
9. Sukwal B.L., A Political Geography.

B.A. III (Year)
Paper VI
Indian Military History
(Only for Old Pattern Student)

Marks 100

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1. Indo-Greek art of war with special reference to the Battle of Zehlum (326 B.C.)
 2. Kautilya's Philosophy of war
 3. Rajput Military System.
 4. Turk Military System.
 5. Mughal Military System.
 6. Situation in Mharashtra before Shivaji
 7. Shivaji and Adilshahi
 8. Shivaji and Mughals.
 9. Raje Sambhaji : As a Military Leader.

REFERENCES:

1. Kautilya Arthshatra – K.B. Kangly
2. Military History of India – J.N. Sarkar
3. Military System of Maratha's – S.N. Sen.
4. War History of the Marathas – Brig. K.G. Pitre.
5. Shivaji and His Times – Sarkar J.N.
6. The Marathas – Kulkarni A.R.
- 7- Hkkjrh; ; qndyk & I kuo.kj I hka kj pk&kjh] tk/ko
- 8- fgntFkkupk I f{klr ; qnfrgkl & dk-x-fi =s
- 9- ejkB; kpk bfrgkl & MkWI keukFk jkMs
- 10- ejkB; kpk bfrgkl & enu ekMhZdj

Swami Ramanand Teerth Marathwada University, Nanded

Military Science

B.A. III Yr.

Practical – Syllabus

Paper VII

Marks 100

1.	Drill	25
2.	Obstacles	10
3.	Visit to Military Area/Military Forts	30
4.	Record book/Oral	10
5.	Project Work/Report	25

Note:

- One Practical Period 0.50 Minute
- One Practical batch should not be more than 15 students.

REFERENCES

- 1- gM cpl vKD , u-l h-l h- & bVkok i zdk' ku-