

B.A. Military Science ~~1st~~^{5th} Year

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**Dr. Babasaheb Ambedkar Marathwada University
Aurangabad**



Revised Syllabus of
B.A. (Military Science)

Semester-I & II

Effective from 2010-11 & Onwards

B.A. Military Science Second Year

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**Dr. Babasaheb Ambedkar Marathwada University
Aurangabad**

**Syllabus of B.A. 1st Year (Military Science)
War and Warfare (Paper - I)
Semester System**

- (a) All Paper are compulsory
- (b) 50 Marks for each paper 20 marks for Practical Test and 30 marks for semester and examination. Passing both levels is essential.
- (c) Semester end examination will be of 90 minutes for each paper

Chapter No.	Title of the Chapter	Credits Allotted	Periods
Semester - I			
1	War	4	60
2	Conventional Warfare		
3	Modern War		
4	Revolutionary war and low intensity operation		
5	Nuclear Warfare		
Semester - II			
6	Psychological Warfare	4	60
7	Chemical and Biological Warfare		
8	Economic Warfare		
9	Electronic warfare		
10	Changing Perspective of War	4 & 4	60 & 60
Semester-I & II	Military Science Practical Examination Test		

Note :

1. One period of 50 Minutes.
2. 15 period = 01 credit
3. 04 credit = 60 period
4. Each paper is comprised of 04 Credits.
5. 60 periods are meant for Classroom Teaching and practical & Record Book of each Paper .
6. For Practical 1 credit = 30 period

War and Warfare

Paper : I

SEMESTER - I

1. War

- a. Meaning and concept.
- b. Nature and scope of war
- c. Causes of war
- d. Functions of War
- e. Principles of consequences of war

2. Conventional Warfare

- a. Meaning and concept
- b. Evolution
- c. Limited war

3. Modern war

- a. Meaning and concept
- b. Features
- c. Total War

4. Revolutionary war and low Intensity Operations

- a. Guerilla War / Asymmetric Warfare
 - i. Meaning and concept
 - ii. Principal and characteristic
 - iii. Guerilla strategy and Tactics
 - iv. Contributors to the Guerilla war
- b. Insurgency ad counter Insurgency
 - i. Meaning and concept
 - ii. Basic Characteristics
 - iii. Causes
 - iv. Counter Measures.

5. Nuclear war Fare

- a. Meaning and concept
- b. Origin and development
- c. Effect of Nuclear war
- d. Nuclear Strategy
- e. Arms race and its effect
- f. Theory of Nuclear
- g. Deterrence

SEMESTER - II

6. Psychological warfare

- a. Meaning and Nature
- b. Objectives
- c. Means and methods
- d. Mental health problems of soldiers

7. Chemical and Biological Warfare

- a. Meaning and Nature
- b. Objectives
- c. Types Methods and effects
- d. Preventive measures

8. Economic Warfare

- a. Meaning and concept
- b. Objectives
- c. nature and Means

9. Electronic Warfare

- a. Meanings
- b. Concept
- c. Objective

10. Changing Perspective of War

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10. Paret Peter (Ed.) - Makers of Modern strategy (Oxford-1986)
11. Garnett John (Ed.) - Theories of Peace and Security (Bristol-McMillan-1976)
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13. Halperin Morton - Contemporary Military strategy.
14. Khan S.A. Probing war and war fare - A.P.H. Publishing corp. New Delhi-2005.
15. परांजपे श्रीकांत - सामरिकशास्त्र, कॉन्टीमेंटल प्रकाशन, पुणे.
16. चौधरी अर्चना - आधुनिक युद्धपध्दती.
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Dr. Babasaheb Ambedkar Marathwada University
Aurangabad
Syllabus of B.A. 1st Year (Military Science-I)
Defense Organization of India (Paper - II)

SEMESTER SYSTEM

- (a) All Paper are compulsory
 (b) 50 Marks for each paper 20 marks for Practical Test and 30 marks for semester and examination. Passing both levels is essential.
 (c) Semester end examination will be of 90 minutes for each paper

Chapter No.	Title of the Chapter	Credits Allotted	Periods
Semester - I			
1	Military Organization and Principal of Administrations	4	60
2	Reconstruction of Indian Armed of Forces after 1947.		
3	Higher Defence Org. in India		
4	Defence Mechanism of the India Armed Force		
5	Second line of Defence / Para Military Forces		
Semester - II			
1	Organization of Intelligences in India	4	60
2	Fighting Arms (Combat Arms)		
3	Support Arms - Artillery, Engineers & Signal Corps		
4	The Administrative Services Role in peace and war time		
5	Indian Navy		
6	Indian Air force		
	Military Science Practical Examination Test	4	60

Note :

1. One period of 50 Minutes.
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3. 04 credit = 60 period
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Defence Organization of India

Paper: II

SEMESTER - 1st

1. Military organization and principles of Administrations.

2. Reconstruction of Indian Armed forces after 1947.

- a. Reconstruction of Indian Army.
- b. Reconstruction of Indian Navy.
- c. Reconstruction of Indian Air force.

3. Higher Defence Organization in India.

- a. Powers of the President in relation to the Armed forces.
- b. Parliament and Armed forces.
- c. Defence committee of the cabinet. d) Ministry of Defence.
- d. National Security Council

4. Defence Mechanism of the Indian Armed forces.

- a. Chiefs of staff committee.
- b. Organisation of Army Head-Quarters, Naval Head-Quarters and Air Head-Quarters. (Integrated HQ, Ministry of Defence
- c. Organization of Army, Navy, Air commands and Nuclear commands.

5. Second line of Defence / Para Military Forces

- a. Border Security Force
- b. Coast Guard
- c. Territorial Army
- d. Civil Defence
- e. Home guards.
- f. Central Reserve Police Force
- g. State Reserve Police

SEMESTER - II

6. Organisation of Intelligence in India

- a. Introduction and History of Intelligence.
- b. Principles and process of Intelligence.
- c. Role of Various Agencies.
- d. Devices for collecting Intelligence.
- e. Counter Intelligence.
- f. Indian Intelligence organization.

7. Fighting Arms (Combat Arms)

- a. a) Infantry
 - i. Characteristics, Role and limitations.
 - ii. Infantry Divisions and Battalion organization.
- b. Armored Corps
 - i. Characteristics,
 - ii. Role and limitations.

8. Supporting Arms - Artillery, Engineers & Signal Corps

- a. Characteristics.
- b. Role and limitations.

9. The Administrative Services - Role in peace and war time.

- a. Army service corps.
- b. Army ordnance corps.
- c. Army Medical corps.
- d. Electrical and Mechanical Engineers.
- e. Judge Advocate Generals Branch

10. Indian Navy

- a. Organisation of the Indian Navy

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- b. Characteristics, Role and limitations.
- c. Various types of Battleships in Indian Navy.
- d. Role during war (after Independence)

11. Indian Air Force

- a. Organization of the Indian Air Force
- b. Characteristics, Role and Limitations
- c. Various Types of Aircrafts in Indian Air force.
- d. Role during war after (independence)

Reference Books :

1. Venkateshwarma A.L. – Defence Organisation in India
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2. Nagendra Singh – Defence Mechanism of Modern State.
3. Satephan Cohen Indian Army – A sketch of It's History
and Organiation.
4. Birg Rajendra Singh – Organisation and Administration
in the Indian Army.
5. Lt. Col. Abhyankar M.G. – Defence, Principal and
Organisation (Usha Pakashan , pune- 7 1974)
6. Ministry of Defence – Annual Reports.
7. वेंकटेश्वरन ए.एल. - भारत रक्षा संघटन, मध्यप्रदेश हिंदी ग्रंथ अकादी, भोपाल १९७३.
8. ले.के. अभ्यंकर एम.जी. संरक्षणशास्त्र आणि संघटना, उषा प्रकाशन पुणे - ७, १९७४.
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10. श्रीवास्तव जे.एम. - आधुनिक राज्यका रक्षातंत्र
11. डॉ. लल्लनजी सिंह - आधुनिक राज्यका रक्षातंत्र
12. डॉ. पुरुषोत्तम गुप्त - वर्तमान रक्षातंत्र

MILTRY SCIENCE PRACTICAL & TESTS
SEMISTER -I, B.A.-F.Y.

DISASTER MANAGEMENT

1. DISASTER

1. Definition.
2. Aims & Objectives of Disaster.

2A. NATURAL DISASTER

- 1) Characteristics.
- 2) Types: Earthquake, Volcano, Tsunami Waves, Land slide, Storm, Cyclone.

B. HUMAN DISASTER

- 1) Characteristics.
- 2) Types : Terrorism Fire, Medical Adulteration, Poisoning, Strikes, Accidents- Causes & Effects.
- 3) War and Disaster.

3. ENVIRONMENTAL POLLUTION

- 1) Meaning & Concept.
- 2) Marine and coastal pollution
- 3) Radioactive Pollution - Nature, Sources, Effects & Control
- 4) Thermal Pollution - Sources, Effects and Prevention of Thermal Pollution.
- 5) Pollution and Natural Disaster.
- 6) Role an Individual in prevention of pollution

4. ENVIRONMENTAL DISASTER AND HUMAN POPULATION

- 1) Definition of Environmental Disaster & population
- 2) Elements.
- 3) Types-Climate change, Global Warming, acid rain, Ozone layer Depletion, Population Pressure - Causes & Effects.
- 4) Human Health and Disaster

RECORD BOOK

- 1) Visit to Historical Place or fort.
- 2) Visit to Government Hospital
- 3) Naxalist
- 4) Area Cleaning.
- 5) Blood Donation

Note :

1. Each Paper is comparison of 30 marks Practical Syllabus and 10 marks Record Book & Viava.

SEMISTER -II

5. DISASTER MANAGEMENT

- 1) Meaning and Concept.
- 2) Elements of Disaster Management.
- 3) Preventive Measures.
 - a. Prior Preparation System
 - b. Information System.
 - c. Logistic.
 - d. Communication System.
 - e. Emergency preparedness.
 - f. Forecasting.
 - g. Relief measure system.
 - h. Medical Aid.

A) NATURAL DISASTER MANAGEMENT

- 1) Planning, Technical Ways.
- 2) Co-operation factors.
- 3) Natural Disaster Reduction and Management.

B) HUMAN DISASTER MANAGEMENT

- 1) Security Forces - Role.
- 2) Civil Defence-Role.
- 3) Rescue-Role.
- 4) Search campaign.

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6. MANAGEMENT OF ENVIRONMENT

- 1) Aspects of environmental management.
- 2) Approaches of environmental management.

7. PUBLIC AWARENESS

- 1) Value education.
- 2) Human rights.
- 3) Child Welfare.
- 4) Role of information in environment and human health.
- 5) Natural Disaster Management and people participation with special reference to India.
- 6) Government Policy.

RECORD BOOK

- 1) Visit to Historical Place or fort.
- 2) Visit to Military Area.
- 3) Visit to Police Head Quarter.
- 4) Aids
- 5) Tree Plantation

Note :

1. Each Paper is comparison of 30 marks Practical Syllabus and 10 marks Record Book & Viava.

References -

- 1) Agrawal V.P. & SVS Ramal - Environmental and Natural Resources.
- 2) Arabina Samant - Cyclone Hazard and..., Economic & Political.
- 3) Weekly Vol. 38 , Ept. 20-26, 1997.
- 4) Bramhe Sulabha- Drought in Maharashtra.
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- 7) David Warne- Where there is no Doctor (1981)
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- 9) Jasjeet Sinha (Air Cdr)- "Bhartiy Parmanushastra".
- 10) Patkar M.G.- Principal of Management.
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- 23) Prof. Patil Jayshree - Environmental Sciences.