

NORTH MAHARASHTRA UNIVERSITY, JALGAON.

SYLLABUS FOR M.A. PART - I

DEFENCE AND STRATEGIC STUDIES.

(W.e.f. from July, 2002.)

DS - A- Compulsory Paper.

- 1) Contemporary Strategy.
- 2) National Security.
- 3) Evolution of Modern Warfare.

DS - B Optional Paper.

(Any one of the following.)

- a) Military Psychology and Sociology.
- b) Indian Art of War.
- c) Science, Technology and Computer Application in Defence Management.

NORTH MAHARASHTRA UNIVERSITY, JALGAON.
M.A. PART - I DEFENCE AND STRATEGIC STUDIES.

DS - A - Compulsory Paper.

1) - Contemporary Strategy.

(W.e.f. July-2002)

Section - I

	Period
1) Strategic Studies: - Approach & assumptions underlying Strategic Studies.	06
2) Theories & Concept of War: - Theories of Von clauswitz, Capt - Leddel Hart, A.T.Mahan and Douhet.	08
3) Evolution of U.S. Nuclear Strategy Since - 1945	
i) Massive Retaliation.	
ii) Balance of Terror.	
iii) Macnamara Politics - Assured destruction damage, limitations, flexible response.	
iv) Nixon Period - Strategic self - sufficiency.	
v) 1980's Countervailing Strategy.	10
4) <u>Evolution of Soviet Nuclear Strategy.</u>	
i) Political, Historical & Geographic- Environment & its Impact.	
ii) Key elements in Soviet Nuclear Strategy.	06
5) Strategic Defence and SDI.	04
6) Use of Force- Conventional Warfare in the Nuclear Age.	06

Section - II

7) Deterrence.	08
i) Concept.	
ii) Nuclear Deterrence.	
iii) Current Relevance.	
8) Limited War - Concept & Meaning.	06
9) Revolutionary Warfare - Concept & Meaning.	06
10) Trends of Conflict:	10
i) Guerrilla Warfare & Low Intensity- operation.	
ii) Insurgency & Counter Insurgency.	
iii) International Terrorism.	
11) Peace Research & Conflict Resolution :- Concept & Meaning.	10

P.T.O.

Books for Reference

- 1) John Baylis, Ken Booth, John Gaznet & Philip Williams: Contemporary Strategy: Theories & Concept (London : C- Com Helm, 1987.)
 - 2) Peter paret (ed) Makers of Modern Strategy from Macliarely to the Nuclear Age. (Oxford: Clavendon 1986)
 - 3) Pkilip Boobbit, Lawrence freedom & Gregory Frererton (ed) U.S. Nuclear- Strategy . a Reader (New York: University Press 1989).
 - 4) John Garhet, Theories of peace & Security: A Reader in Contemporary Strategic - Thought (Macmillan : St. Martin, 1979)
 - 5) A world Atlas of Military History (Leo - Cooper, London, 1980)
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NORTH MAHARASHTRA UNIVERSITY, JALGAON.
M.A. PART-I DEFENCE AND STRATEGIC STUDIES.

2. - National Security

(W.e.f. July - 2002)

Section - I

	Periods
1) Problems of India's Security - Conceptual frame work - Global - Regional and Locale Scenario and its impact on Indian Security thinking.	08
2) Problems of India's Internal Security. - Political, economical, Socio-cultural and other dimensions. - Role of the State.	12
3) National Security Planning. - Economics of Defence. - Development in Science & Technology (Special reference to Nuclear & space Programmes.) - Political factor - Role of Diplomacy. - Capability factor - Role of Military.	08
4) National Security Organization in India. - Political / Bureaucratic Structure. - Higher Defence Organization. - Para Military Organizations and Civil Defence.	12
5) India and the emergence of world order.	07

Section - II

(To be taught with special reference to recent developments.)

6) India and Pakistan (Focus on issues of disputes and efforts for normalization.)	07
7) India and China (Focus on issues of disputes and efforts for normalization.)	06
8) India and the United States of America (Since Regan Administration)	04
9) India and the commonwealth of Independent States.	04
10) India and Europe in Nineties.	04
11) India and the Asia pacific Reasons. (Post 1975)	04
12) SAARC	04

Reference Books

- 1) Khèra S.S., India's Defence Problem (Bombay, Orient Longmans, 1968.)
- 2) Paranjape Shrikant, India's Security Considerations in Nuclear Age (New Delhi, Atlantic, 1986)
- 3) Kavic L.T., India's Quest for Security: Defence Policies, 1947 - 1965 (New York, Columbia University Press, 1962)
- 4) Gautam Sen (ed), India's Security Considerations in Nuclear Age. (New Delhi, Atlantic, 1986)
- 5) Subramanyam K: Our National Security, (New Delhi, Economic & Scientific Research Foundation, Federation House, 1972)
- 6) Thomas Raju, India's Security Policy (Princeton University Press, 1986)
- 7) Annual Reports of Ministry of Defence.

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MA.PART-I DEFENCE AND STRATEGIC STUDIES.

3. - Evolution of Modern Warfare

(W.e.f. July - 2002)

Section - I

	Period
1) Evolution of war during 16 th , 17 th and 18 th Century. - The Renaissance of the Art of War. - Military revolution of the 17 th Century- Concept, Dynastic and National war. - Concept of mass army and logistics.	05
2) Industrial Revolution and impact on world war - I	08
3) French Colonial Warfare.	08
4) American, Russian and German Military Strategies during world war first. Doctrines of offensive during world war first and its impact.	10

Section - II

5) The World War Second, - its causes and Strategy of Allied and Axes forces.	05
6) Concept of Civilian role in Military Strategy.	08
7) Machine warfare during 1939 to 1945- - Doctrine of Limited liabilities & Mobile Defence. - Soviet and Allied Strategy.	11
8) Role of Air Power in Modern Warfare and its related theories.	08
9) Soviet Strategy and its Consolidation.	06
10) Allied Strategy during 1939-1945.	07

Reference Books

- 1) Montgomery. History of Warfare (London, William Collins. 1968.)
- 2) Earle E.M. Modern Strategy. (Princeton University, Press, 1971)
- 3) Bammie, Air Power, (Meerut, English book Depot, 1974)
- 4) Halperin Morton, Contemporary Military Strategy, (London, Faber and faber, 1972)

NORTH MAHARASHTRA UNIVERSITY, JALGAON

M.A./M.Sc. - I DEFENCE AND STRATEGIC STUDIES

DS. B - OPTIONAL PAPERS

A) MILITARY PSYCHOLOGY & SOCIOLOGY

SECTION - I

- | | Period |
|---|---------------|
| 1. <u>Psychology and Armed Forces:-</u> | 08 |
| a) Dimensions of behavior – Motivation, Effective and cognitive process.
Relevance of psychology in defence problems. | |
| b) Personnel selection and classification for – defence services, use of intelligence to – group testing procedure and elementary personally testing. | |
| 2. <u>Application of Principles of Psychology in Military Training:-</u> | 08 |
| Motivation, Learning, transfer of transiting group and individual training. | |
| 3. <u>Group Dynamics in Military Life.</u> | 08 |
| a) Group-Structure, types and their functions, information of Social Norms, Group Problem solving. | |
| b) Leadership – Nature, Types of Leadership, training and functions of Leader. | |
| c) Morale – Nature, Determinant and Techniques of boosting morale, it's significance in Defence. | |
| 4. <u>Psychological Warfare.</u> | 08 |
| a) Nature, Types organization and Techniques of Military Propaganda. | |
| b) Psychology of Romour, Nature, Technique – and it's merits and demerits impact on war and society. | |
| c) Structure Theories and Techniques of – coheresive persuasion, Determinates of brain washing effects. | |
| 5. <u>Mental Disorder of War (Abnormalities)</u> | 08 |
| a) Mental Health of soldies in war. | |
| b) Psychological Disorder and emotional strains – imposed by war conversion, Hysteria, Anxiety and war neouresis. | |

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SECTION - II

- 6) **Social Institution of the Armed Forces.**
a) Social base of Military Power.
b) Social background of Defence personnel.
c) Social changes in the Character.
- 7) **The Military Organization** - Hierarchy, co-ordination, Discipline.
Motivation and Moral in the Armed forces.
- 8) **Sociology of War**
a) Social Causes of War.
b) Social Mobilization of War.
c) Adjustment and emotional problems during war.
- 9) **Post War Social Problems**
a) Problems of large scale.
b) Disabandment of personnel.
c) Rehabilitation.
d) Social adjustment of serviceman- rebased offer war.
e) Effects of war on Society.
- 10) **Military Civil Relationship**
a) Soldier and Society.
b) Soldier and Political System.
c) Soldier and Productive System.
d) Image of the soldier in different societies.
e) Role of Armed forces and Agencies in the Social Change.
f) Modernization and Economic Development.

Reference: Books

1. E.G. Boarding - Psychology for the Armed forces.
2. Raj Narayan - Military Psychology.
3. Goldman - The social Psychology of Military Science.
4. R.R. Grinker - Men under stress.
5. Grille - Race, class and Military.
6. Johnson - John - The Role of Military as under developed countries.
7. Jewki - Military organisation & society.
8. Michael Fort. R.D. - Men in Uniform - Military manpower in Modern Industrial Society.
9. Morris Janowitz - Society and Military establishment.
10. Leng - Military Instruments and the Sociology of War.

DS. B – OPTIONAL PAPERS

B – INDIAN ART OF WAR

SECTION – I

1	Military system of Vedic and Epic Age	03
2	A comparative study of Indo Greek warfare, with special reference to Battle of Hydaspus.	07
3	Kautilya's Philosophy of war, Military Organisation, patterns of warfare, Foreign relations, etc.	09
4	Arab and Turk invasion of India and new trends in warfare.	06
5	Rajput Military system and Art of warfare with special reference to the Battle of Terrain.	06
6	Military reforms and pattern of warfare during the Sultanat period.	03
7	Baber's invasion of India with special reference to Battle of Panipat-First. Mogal Military system., Merits and Demerits of Mansabdary system.	06

SECTION – II

8	Shivaji as a Military Leader.	08
	a) Early Guerrilla Tactics.	
	b) Principles of war and qualities of leadership.	
	c) Battle of Jawali	
	d) Battle of Pratapgali.	
	e) Raid on Shahistekhan.	
	f) Karnatak Campaign.	
9	Forts of Shivaji – Role and Importance.	04
10	Organisation of the Maratha Army and Navy in century.	08
11	Assessment of Bajirao – 1 st as a General.	06
12	The Third Battle of Panipat 1761.	06
13	Military causes of downfall of the Marathas.	08

Reference: Books

1. Dikshitkar R.C., war in Ancient India (Madras, MacMillan, 1948)
2. Dutt Grant Jame, 'History of Maratha' (New Delhi, Associat Publishing House, – 1971)
3. Kanglev K.B., Kautilya's Arthashastra (Bombay, University of Bombay, – 1972)
4. Sardesai G.S., New History of Marathas., (New Delhi – Associate Publishing House, 1982)
5. Sarkar J.N., Shivaji and his times, (New Delhi, Orient Longman, 1973)
6. Sen S.N., Military system of Maratha (New Delhi. - K.P. Bagehi and Co. - 1977)
7. Dr. M.B. Deopujari – Shivaji and the Maratha Art of War.
8. Dr. Joshi P.S., Chhatrapati Sambhaji.
9. Col – Palsokar, – Shivaji the great Guerrilla.

DS. B – OPTIONAL PAPERS

C. Science, Technology and Computer Application in Defence Management.

Section – I

1	Relevance of Science and Technology in National Security aspects.	06
2	Industrial Revolution	
	a) Impact of Sociology and Economic aspect.	
	b) Changes in Military equipments and Tactics.	08
3	Emergence of New Technologies – Engine, Electricity, Radio, Television and Computer	08
4	Technologies in first world war and second world war – U – Boats, Tanks, Aircrafts, Aircraft carriers.	10
5	Nuclear Energy in War and Peace.	08

Section – II

6	Computer application in Defence Management.	06
7	New Technologies and their relevance to security aspects.	
	a) Energy.	
	b) Computers, Electronics and Artificial intelligence.	
	c) Material Science.	
	d) Communication and Information Technology.	
	e) Mass Production.	
	f) Bio-Technology.	
	g) Transportation.	10
8	Use of Computer Technologies in Landwarfare, Air warfare and sea warfare	08
9	Computer application in Electronics Warfare.	08
10	Space war and S.D.I.(Strategic Defence Initiative)	08

Reference Books

- 1 Macacy Kannets – Technology in world, Arms and Armour, London, 1981.
- 2 Nanda B.S. – Science & Technology in India's Transformation, Concept, New Delhi, 1986.
- 3 Malgaonkar P.D. – Technologies for Economic Development, Oxford & IBH Publishing, New Delhi 1987.
- 4 Lee P.G. – Introduction to Battle field weapon system and Technology, Brassey's, Oxford 1981.
- 5 Computer Today – Donald H. Sanders, McGraw Hill Book Company, New Delhi.
- 6 COBOL Programming, M.K.Roy, Tata McGraw Hill Book Co. New Delhi.