

**NORTH MAHARASHTRA UNIVERSITY, JALGAON  
REVISED SYLLABUS FOR T.Y.B.A.  
DEFENCE AND STRATEGIC STUDIES  
(With Effect From July, 1999)**

**STRUCTURE**

General paper-III (G-3) :- National Security.

OR

Optional :- International Relations.

Special Paper-III (S-3) :- Maratha Art of War.

OR

Optional :- Evolution of Strategic Thought.

Special Paper-IV (S-4) :- Defence Economic and Production in India.

OR

Optional :- Computer Application in Defence Management.

Practical List for Special Paper-IV is attached herewith.

# NORTH MAHARASHTRA UNIVERSITY, JALGAON

REVISED SYLLABUS FOR T.Y.B.A. DEFENCE AND STRATEGIC STUDIES  
General Paper-III

Title :- National Security.  
(With Effect From July, 1999)

## Part-I

- 1) National Interest & National Security.
  - i) Meaning & Concepts.
  - ii) Scope.
  - iii) Role of national interest, National Security in Foreign policy making.
- 2) National Power.
  - i) Meaning & evolution of National power.
  - ii) Elements of national power :- Geography, Natural Resources, Science & Technology, Military Power, Population, Political System, Economic System, Moral & Leadership.
- 3) Arms Control & Disarmament.  
Meaning, Objective & Efforts made.
- 4) India's Defence & Foreign Policies.
  - i) India's defence policy :- Considerations, developments & objectives etc.
  - ii) India's Foreign policy :- Objectives & brief account of foreign policy from 1947 till date.
- 5) India's Nuclear Policy & Nuclear Establishments.
  - i) Policy - Aim & Objective, development of Nuclear policy, NPT & CTBT.
  - ii) Nuclear plants & Heavy water plants.

## Part-II

- 6) India & Indian Ocean.
  - i) Strategic importance of Indian ocean, Naval rivalry of naval powers (US, China, Iran, UK & Russia in Indian ocean.
  - ii) India's Indian Ocean Policy (Peace Zone Concept).
- 7) Non-Alignment.
  - i) Meaning, Development.
  - ii) India's role in Non - Alignment.
  - iii) Evolution and development.
- 8) Regional Organizations.
  - i) SAARC.
  - ii) European Common Market.
  - iii) PAN-ARAB Opec Countries G-8.

- 9) India & Neighboring countries relations :-
  - i) India & Pak Relations with special reference to border problem (Kashmir, Siachin) & Nuclear issue.
  - ii) India - Bangladesh relations with special reference to river problem and Chakma problem.
  - iii) India - Nepal relations.
  - iv) India - Shrilanka relation with special reference to LITTE.
  - v) India - China relation with special reference to border problems.
- 10) India - Russia relations.

BOOKS :

- 01) K. Subramanyam - India & Nuclear Challenges.
- 02) K. Subramanyam - Nuclear Proliferation & National Security.
- 03) K. Subramanyam - Our National Security.
- 04) Gen. D.K. Patil - Minimum Deterrent.
- 05) Gen.D.K. Patil -Indias Nuclear answer to china.
- 06) Lt. Gen P. Kathapalia - National Security perspective.
- 07) Pannikar K.M. - Problems of India's defence.
- 08) S.S. Shashi - Defence of India.
- 09) Madan Gopal - India as a worlds power.
- 10) Rohit Handa - Policy for India's defence.
- 11) Lt. Col. Gautam - India's Northen Security.
- 12) K. Subramanyam - India's security perspectives.
- 13) Chibber Aditya - National Security Doctrine.
- 14) K.S. Nagar & Gautam Sharma - India's Security - Super Power Threats.
- 15) Ravi Nanda - National Security perspectives policy & Planning.
- 16) Major Gen Patil - Pak's Islamic Bomb.
- 17) Sarul Patra -India's Ocean & great power.
- 18) Gautam Sen - India's Defence Policy.
- 19) G.C. Thomas - The Defence of India.

- 20) Jay Raju - India's National Security & foreign policy.
- 21) P.Gopinath Menon - Peace & Security In Asia.
- 22) Air Comder - Asian Security.
- 23) K.K. Pathak - Nuclear Policy of India.
- 24) Brig. Vijay K. Nair - Nuclear India.
- 25) Khare - Defence Prob. of India.

- |    |                      |   |                         |
|----|----------------------|---|-------------------------|
| 26 | डॉ. बी.एन. फाडिया    | - | आंतरराष्ट्रीय संबंध.    |
| 27 | डॉ. शांताराम भोगले   | - | आंतरराष्ट्रीय संबंध.    |
| 28 | वसंत रावपुरकर        | - | आंतरराष्ट्रीय संबंध.    |
| 29 | वि.प्र. बाबल         | - | आंतरराष्ट्रीय संबंध.    |
| 30 | रा.ज. लोटे           | - | आंतरराष्ट्रीय संबंध.    |
| 31 | अशोक नाईक            | - | भारताचे परराष्ट्र धोरण. |
| 32 | डॉ. चंद्रशेखर दिवाण  | - | भारताची विदेश नीती.     |
| 33 | प्रीकाश देशपांडे     | - | भारताची विदेश नीती.     |
| 34 | वराडकर               | - | आंतरराष्ट्रीय राजकारण.  |
| 35 | डॉ. पाडे, डॉ. चौबे   | - | राष्ट्रीय सुरक्षा.      |
| 36 | डॉ. लल्लजीसिंह चौधरी | - | राष्ट्रीय सुरक्षा.      |
| 37 | डॉ. परशुराम गुप्त    | - | राष्ट्रीय सुरक्षा.      |
| 38 | डॉ. प्रीवास्तव       | - | राष्ट्रीय सुरक्षा.      |

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OPTIONAL GENERAL PAPER-III

Title :- International Relations.  
(With Effect From July, 1999)

Part-I

- 1) Theories & Concepts :-
  - i) Realistic & Ideolistic theories.
  - ii) System Theory.
  - iii) Decision making theory.
  - iv) Game Theory.
- 2) Detente :-
  - i) Concept & Meaning of detente.
  - ii) Decline of cold war & growth of detente.
- 3) UNO :-
  - i) Origin, Structure, Objective & Principles & Character of UNO.
  - ii) General assembly - structure, power, functions.
  - iii) Other Organs of UNO & their functions.
  - iv) Contribution & work for maintaining International peace & security.
- 4) The work of UNO for :-
  - i) Disarmament & arms control.
  - ii) UNO & Decolonization.
  - iii) UNO & Human rights.
- 5) International Law :-
  - i) Extradiction.
  - ii) Asylum.
  - iii) Intervention.
  - iv) Treaties.
  - v) Neutrality.

Part-II

- 6) New International Economic Order :- Concept & Meaning.
- 7) Non-alignment :-
  - i) Meaning & concept.
  - ii) Role of Non-alignment in International Relations.
- 8) International Terrorism :- Meaning, Sources & Impact.

- 9) Problem of Peace & Security :-
- i) Impact of Science & technology on International relations.
  - ii) Nuclear weapons & Their Impacts on International relations.
  - iii) War as an Instrument of National Policy.
- 10) Peace Research & Conflict resolution.

BOOKS

- 1) World Politics Since 1945 - Peter Calvoscreci.
- 2) International Relations - M.G. Gupta.
- 3) International Relations - Vasant Raypurkar.
- 4) International Relations - Dr.B.L. Phadia.
- 5) International Relations - Dr. Shantaram Bhogale.
- 6) Samarik shastra - Dr. Shrikant Paranjape.

**NORTH MAHARASHTRA UNIVERSITY, JALGAON**

REVISED SYLLABUS FOR T.Y.B.A. DEFENCE AND STRATEGIC STUDIES  
Special Paper-III (S-3)

Title :- Maratha Art of War.  
(Special Focus on Maratha Strategy & tactics)  
(With Effect From July, 1999)

Part-I

- 1) Political & Geographical Situation in Maharashtra before the Emergence of Shivaji.
- 2) Shivaji's Strategy against Adilshahi :-
  - a) General.
  - b) Jawali Incident -
    - i) Strategic Importance of Jawali.
    - ii) Shivaji & More Conflict causes.
    - iii) Consequences of Jawali Incident.
  - c) Battle of Pratapgarh :-
    - i) Introduction.
    - ii) Military Strength of Afzal Khan & Shivaji.
    - iii) Attack of Afzal Khan.
    - iv) War tactics of Shivaji.
    - v) Diplomacy of Krishnaji Bhaskar & Gopinath Pandit.
    - vi) Causes of Victory in Pratapgarh Battle.
- 3) Shivaji's Strategy against Mughal's :-
  - a) General.
  - b) Raid of Shahistekhan :-
    - i) Introduction.
    - ii) Military Strength of Shahistekhan & Shivaji.
    - iii) Battle action.
    - iv) War tactics of Shivaji.
  - c) Campaign of Mirza Raje Jaisingh :-
    - i) Introduction.
    - ii) Strategy of Jaisingh.
    - iii) Diploment of force.
    - iv) Siese of Purander.
    - v) Treaty of Purander.
- 4) Strategy of Karnatak Campaign :-
  - i) Introduction.
  - ii) Objectives of Expeditions.
  - iii) Consequences of campaign (Special Focus on Strategic & Tactics in Karnatak campaign).

5) Shivaji as a General :-

- i) Founder of National army.
- ii) Superior Commander Qualities.
- iii) Guerilla War Tactics.
- iv) Discipline.
- v) Regular pay & pension & effective spies.
- vi) Simple living commander.

6) Shivaji's Military Organizations :-

- i) Characteristics of Military administration of Shivaji.
- ii) Remoza of Fudral system.
- iii) National army - Bodyguards of King.
- iv) Cavalry - Bargir & Shiledar.
- v) Organization, pay & training.
- vi) Infantry :- Recruitment of soldier - Organization.
- vii) Displine.
- viii) Navy - Importance of Navy, Naval system, type of ships, Size of Ships, Total ships, Organization, Naval Industries (ship/Building), Commercial navy.
- ix) Forts :- Types of Forts, Officers in Forts, Their duties.  
(Havaladar, Subnis & Karkhanis).

7) Raje Sambhaji as a Military leader.

Part-II

8) Maratha Strategy against Mughals :-

- a) Rajaram - general, strategy of Rajaram, Battle action, role of Santaji, Dhanaji.
- b) Santaji & Dhanaji :- Guerilla war tactics of them.
- c) Tarabai - General, Strategy of Tarabai, Counter attack of Mughals.

9) Bajirao As a General Strategy of Bajirao with Special reference to Battle of Palkhed & Bhopal.

10) Strategy and Tactics of Battle of Panipat third :- Strategy and Tactics of Battle of Panipat General, Battle Planning, Strategy of Abdali & Maratha - Battle action causes of defeat of maratha, consequence of Battle of Panipat.

11) Peshva's Military Organization :- General, Army-Recruitment of other Community.

Cavalry :- Type, paga, Shiledar, bargir, Pendhari, weapons.  
Artillery :- Shinde - Holkar's Role in Artillery,  
Transportations of it.  
Navy :- Contribution of Kanhoji Angre.

12) Anglo - Maratha war :-

- a) First war -
  - i) Introduction.
  - ii) Treaty of Purander.(Nana Phadnis - British).
  - iii) Invention of Raghoba (Battle of Khandala).
  - iv) Treaty of Vadgaon (British - Maratha).
  - v) Battle of Kshipra river - Treaty of Salabai.
  - vi) Importance of treaty of Salabai.



- b) Second War :- Introduction, War planning of British, Treaty with Bajirao-II, Battle in South (Shinde-British), Treaty of Deogaon & Anjangaon.
- c) Third war :- Battles with Holkar with Special Ref. to Battle of Assai.
- 13) Decline of Maratha Power :-  
Causes
- i) Fudral Systems.
  - ii) Lack of Unity.
  - iii) Economic Condition.
  - iv) Ignorance of New war Tactics & Weapons.
  - v) Neglegance of navy.
  - vi) Lack of Leader-ship, Inefficient spies & good knowledge of Geography.
  - viii) Lack of Nationality.
  - ix) Weapons & leadership.
  - x) Religion system of Maratha.

#### BOOKS

- 1) Sardesai G.S. - New History of Maratha's
  - 2) Sarkar J.N. - Shivaji & his times.
  - 3) Sen S.N. - Military systems of Maratha.
  - 4) Devpujari M.B. - Shivaji & the Maratha art of war.
  - 5) Sarkar J.N. - House of Shivaji.
- 
- |     |                                       |   |                                  |
|-----|---------------------------------------|---|----------------------------------|
| 6)  | जयसिंगराव पवार                        | - | शिवाजी व शिवकाल.                 |
| 7)  | जयसिंगराव पवार                        | - | मराठे साम्राज्याचा उदय आणि अस्त. |
| 8)  | जी.एस. सरदेसाई                        | - | मराठे रियासत भाग-1, 2 व 3.       |
| 9)  | वा.सी. वैद्ये                         | - | छत्रपती शिवाजी महाराज.           |
| 10) | कॅप्टन मोडक                           | - | प्रतापगडचे युद्ध.                |
| 11) | जन. जोगळेकर                           | - | भारतीय युद्धशास्त्राची उपेक्षा.  |
| 12) | ब्रिगेडियर पिपे                       | - | हिंदुस्थानचा संक्षिप्त इतिहास.   |
| 13) | चौधरी, सोनवणे, सिदाणे,<br>सुतार, जाधव | - | भारतीय युद्धकला.                 |
| 14) | चौधरी, मांडरे, चौधरी                  | - | भारतीय युद्धकला.                 |
| 15) | डॉ. टी.टी. महाजन                      | - | शिवाजीची न्यायनीती.              |

# NORTH MAHARASHTRA UNIVERSITY, JALGAON

REVISED SYLLABUS FOR T.Y.B.A. DEFENCE AND STRATEGIC STUDIES  
Special Paper-III (Optional Paper)  
Title :- Evolution of Strategic Thought.  
(With Effect From July, 1999)

## Part-I

- 1) Clausewitz, On War.
  - i) War & it's relationship with Politics.
  - ii) Strategy.
  - iii) Tactics.
- 2) Jomini : Concept of Mass army Strategy Tactics & Logistics.  
: From 19th Century to First World War.
- 3) Gen Suntzu : Military Concepts.
- 4) Moltke : The Prussian - German School of Strategic Thought.
- 5) Dupicq : French School of Strategic Thought.  
: From 1st to 2nd World War.
- 6) Churchill : The immergence of the civilian military relation.
- 7) Ludendorf : The German concept of total war.
- 8) Lenin, Stalin : Soviet concept of war.

## Part-II

- 9) Liddel Hart : The British concept of Warfare  
: Total war.  
: Diterence.
- 10) J.F.C. Fuller : Concept of Mobile Warfare.  
: Advent of Turk & Decline of French warfare.  
: Science & conduct of War.
- 11) A.T. Mahan : Theory of Sea Power.
- 12) Douhet : Theory of Air Power.
- 13) Hitler : The Nazi Concept of War.  
: Blitzkrieg.  
: Second World war to date.
- 14) Mao Tse Tung : Chinese Concept of war.  
: Strategy & Concept of Guerilla Warfare.  
: Concept of Urban Guerilla warfare.
- 15) Che Guevera : Concept of geurilla Warfare.
- 16) Kautilya : Philosophy of War, Thoughts of Defand Security forts.

SELECTED READING

- 01) Adie W.A.C. : Chinese Strategic thinking under Mao Tse Tung.
- 02) Alperowitz G. : Atomic Diplomacy Hiroshima & Post Dam.
- 03) Briand Reid : Liddle Hart : A study of his Military Thoughts.
- 04) Broad L. Wintson Churchill : The Years of Achievement.
- 05) Brodie B. : Escalation & the nuclear option.  
: A Guide of naval Strategy.  
: Strategy in the Missile Age.
- 06) Brown N : Strategic Military.
- 07) Clauswitz : on War.
- 08) Earle E.M. : Markers of Modern Strategy.
- 09) Fuller J.F.C. : Conduct of War.
- 10) Tedder : Air Power In War.

Part-I

- 1) Importance & need of study of Defence expenditure.
- 2) Peace time Economy :
  - a) Background.
  - b) Aims & Objectives of peacetime.  
Economy :
    - i) Economical self sufficiency.
    - ii) Increase of Standard of living.
    - iii) Max. Utility of National Wealth.
    - iv) Payments.
    - v) National Economic Welfare.
    - vi) Preparation & Development of Defence Capability.
  - c) Pre War Internal Economic Preparation.
  - d) Pre War Internal Economic Nature : Planning of Imports, Creation of Foreign assets, shipping, objectives of Foreign Assets.
  - e) Merits & Demerits of Peace time Economy.
- 3) War time Economy (Problems) :
  - i) Problem of allocation of National resources.
  - ii) Problem of Division of the factors of Production.
  - iii) Problem of Complementary Products.
  - iv) Problem of Price & financial policy.
  - v) Problem of personnel.
- 4) Post War Economy ( Problems ) :
  - i) Enormous national debts.
  - ii) Damages of Properties.
  - iii) Demobilisation of Army.
  - iv) Marale.
  - v) Deconveration of Industries.
  - vi) Equipement of peace time production.
- 5) Economic Cost of War :
  - i) Meaning of Economic Cost of war.
  - ii) Problems of measuring the real cost of war.
  - iii) Methods of Calculating the real cost of war.
- 6) Defence Spending in India :
  - i) Background.
  - ii) Defence expenditure of army from 1947-1996 - general development of Defence Expenditure, Causes of it.
  - iii) Defence Expenditure of Navy 1947-1998.
  - iv) Defence Expenditure of Airforce 1947-1998 : General development of increasing defence expenditure.
  - v) Present trend of defence expenditure & Futuristic approach.

## Part-II

- 7) Defence Production & Organizations in India -
  - i) Dept of Defence Prod. in the Ministry of defence (Struct & Function).
  - ii) Industrial Potentialies of Expansion Military Strength.
  - iii) Defence Production Organizations (Main).
- 8) Defence Production Industries in India.
  - i) Public Sector undertaking.
  - ii) Private Sector & Small Scale Industries (Link with Logistics).
- 9) Defence Research & Development Organization : Concept & Developments.
- 10) Arms & Ammunition Production : Rifles, Artillery & Tanks.
- 11) Engineering & Electronic Equipment Production in India.
- 12) Missiles Tech. & Nuclear Establishment, Space tech. & Development.

## BOOKS

- 01) S.K. Mishra & V.K. Puri - Indian Economy, it's development.
- 02) Birla inst.of research - Self Reliance & Security.
- 03) Ron Matthevos - Defence Production in India.
- 04) Military Year Book.
- 05) Journals - Indian defence review (Lancer)
  - Strategic Analysis.
  - Strategic Digest.
  - U.S.I.
- 06) Maurice Clark J. - Reading in the Economics of war.
- 07) Charles J. Hitch - Economics of Defence in the Nuclear age.
- 08) Subramanyam K. - Perspective in Defence Planing.
- 09) Thomas Raju - The Defence of India.
- 10) Lincoln George A. - Economics of National Security.
- 11) Janes Year Book.
- 12) Amiya Kumar Ghosh - India's Defence Budget & expenditure management.
- 13) कौशिक - भारतीय रक्षा प्रयोगिकी.
- 14) परशुराम गुप्त - मनोवैज्ञानिक एवं आर्थिक युद्ध.
- 15) प्रा.ए.पी.बोधरी, पी. बोधरी - राष्ट्रीय सुरक्षेतील विज्ञान व तंत्रज्ञान.

**NORTH MAHARASHTRA UNIVERSITY, JALGAON**  
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Special Paper-IV (Optional)

Title :- Computer Application in Defence Management.  
(With Effect From July,1999)

Part-I

- 1) Introduction :-
  - a) Historical Background.
  - b) Classification and Types.
  - c) Basic Anatomy of a Computer.
- 2) Basic Study of Concept and Theory.
- 3) Application in Defence Management.
  - a) Introduction.
  - b) Command.
  - c) Logistic Controls.
  - d) C.A.D.
  - e) C.A.M.
- 4) Operation Research, Scientific Approach to -
  - i) Payroll system.
  - ii) Medical Aspects.
  - iii) Development of Machines.
  - iv) Weather Forecasting.
  - v) Simulation and - War gaming.
- 5) Internate - Meaning, Scope and uses in -
  - i) Naval Technique.
  - ii) Airforce Technique.
  - iii) Artificial Intelligence.

Part-II

- 6) Computer Aided Management, Information system.
  - a) The system view.
  - b) Purpose and Aims.
- 7) Information Technique -
  - a) Concept (Data and information).
  - b) Function and Attribution.
  - c) Properties of useful Management.
  - d) Introduction to LAN, WAN and internet.
- 8) MIS = Concept = Definition, Programme, information Network.
- 9) Strategic Planning for MIS-
  - a) Evolution.
  - b) Alignment Design.
  - c) Allocation.
  - e) Completing Project.
- 10) Advance Office System - Special Reference to Defence Management.

## Part-II

- 7) Defence Production & Organizations in India -
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- 15) प्रा.ए.पी.चौधरी, सौ. चौधरी - राष्ट्रीय सुरक्षेतील विज्ञान व तंत्रज्ञान.

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**Special Paper-IV (Optional)**

**Title :- Computer Application in Defence Management.**  
**(With Effect From July,1999)**

Part-I

- 1) Introduction :-
  - a) Historical Background.
  - b) Classification and Types.
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- 3) Application in Defence Management.
  - a) Introduction.
  - b) Command.
  - c) Logistic Controls.
  - d) C.A.D.
  - e) C.A.M.
- 4) Operation Research. Scientific Approach to -
  - i) Payroll system.
  - ii) Medical Aspects.
  - iii) Development of Machines.
  - iv) Weather Forecasting.
  - v) Simulation and - War gaming.
- 5) Internate - Meaning, Scope and uses in -
  - i) Naval Technique.
  - ii) Airforce Technique.
  - iii) Artificial Intelligence.

Part-II

- 6) Computer Aided Management. Information system.
  - a) The system view.
  - b) Purpose and Aims.
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  - c) Properties of useful Management.
  - d) Introduction to LAN, WAN and internet.
- 8) MIS = Concept = Definition. Programme. information Network.
- 9) Strategic Planning for MIS-
  - a) Evolution.
  - b) Alignment Design.
  - c) Allocation.
  - e) Completing Project.
- 10) Advance Office System - Special Reference to Defence Management.



### REFERENCE BOOKS

- 1) Balguru Swami E. - Programming in Basic.
- 2) Chakrawarti C.R. - Computer Printed -  
Activities - DRDO -  
Prospection Plan.
- 3) Gupta Amar - Insight int P.C.
- 4) Defence Management Journal.
- 5) College of Defence Management Publication MIS.
- 6) Prof.A.P.Chaudhari & Prof.Mrs.A.A.Chaudhari - Rashtriya  
Surakshetiil Vidnyan & Tantradnyan.

ws5/dbs/syll/tbadefen/

"अंदरी पेटवू जानज्योन"

उत्तर महाराष्ट्र विद्यापीठ, जळगाव

तृतीयवर्ष कला संरक्षणशास्त्र विशेष पेपर-4 (S-4)

"प्रात्यक्षिक पेटी"

एष-4 :- भारतीय संरक्षण वित्त आणि उत्पादन या विषयासाठी.

(With Effect From July, 1999)

1. संरक्षण विषयक माहितीचे संचलन :-

अ) पेपर कर्टींग :- वृत्तपत्रात प्रसिध्द होणारे विविध संरक्षण प्रश्न, राजकीय प्रश्न, आंतरराष्ट्रीय राजकीय घडामोडी, आर्थिक करार, आर्थिक संघटन, आंतरराष्ट्रीय पातळीवरील युद्ध विषयक, शांततेविषयक, संरक्षण खर्चा विषयक, संरक्षण उत्पादन, निर्मिती विषयक विविध विचारवंतांचे, शास्त्रज्ञांचे लेख संरक्षण विषय नवीन विचार प्रवाह आषल्या देशातील अंतर्गत घडामोडी या विषयी माहिती गोळा करणे.

ब) मुलाखती :- विविध क्षेत्रातील तज्ञांच्या भेटी घ्याव्यात संरक्षण खर्चावर त्यांच्या मुलाखती घ्याव्यात उदा. सेवानिवृत्त अर्थमंत्री संरक्षण सल्लागार, लष्कराचे वरीष्ठ अधिकारी, जेष्ठ राजकीय नेते संरक्षण विषयक उत्पादन करणारे काही उद्योजक, संरक्षण खर्चाबाबत अभ्यास असलेली तज्ज्ञ व्यक्ती, विविध लष्करी इंस्पेक्टरांमध्ये जखमी सैनिकांच्या मुलाखती घेणे.

क) प्रश्नावली :-

- 1) देशाचा या वर्षाचा खर्च वास्तव/अवास्तव?
- 2) सुदृढ व समर्थ लष्करी शक्तीसाठी देशाच्या आर्थिक विकासाचे महत्त्व व साधने?
- 3) युद्ध कालात निर्माण होणारे आर्थिक प्रश्न?
- 4) युद्धकालात दैनंदिन जिवनात निर्माण होणारे विविध प्रश्न?
- 5) युद्ध कालात निर्माण होणारे सामाजिक प्रश्न?
- 6) युद्ध कालात नागरीकांची भूमिका?
- 7) संरक्षण खर्चासाठी पैसा कसा उभा करावा?

३. समूहचर्चा :-

- 1) संरक्षण खर्चाच्या अभ्यासाचे महत्त्व व आवश्यकता.

पेज नं. ३

- ३) वैज्ञानिक संरक्षण अंदाजपत्रकातील विविध विभागाचा सुचं.
  - १) नौदलावरील सुचं.
  - २) वायु सेनेवरील सुचं.
  - ३) स्थल सेनेवरील सुचं.
  - ४) संरक्षण उत्पादनावरील सुचं.
  - ५) सैनिकी प्रशिक्षणावरील सुचं.
  - ६) शेजारील देशांचे संरक्षण सुचं व आपल्या देशाचा संरक्षण सुचं.
  - ७) संरक्षण सुचंसाठी घेण्या केल्या उभारता येईल?
  - ८) भारताचे संरक्षण धोरण आणि आर्थिक धोरण.
  - ९) युद्धापूर्वीची अर्थ व्यवस्था व युद्ध नंतरची अर्थव्यवस्था.
  - १०) युद्धानंतरचे आर्थिक प्रश्न.

४) संरक्षण प्रमुखांच्या नेतृत्वा :-

भेटी व अहवाल :-

विविध लष्करी उत्पादन कारखान्यांना भेटी देणे, विविध लष्करी ठिकाणांना भेटी देणे, विविध लष्करी प्रशिक्षण केंद्रांना भेटी देणे, आय.एस.ए., एन.डी.ए. विशेष नौदल प्रशिक्षण केंद्रे इवाईडल प्रशिक्षण केंद्रे यांना भेटी देणे. विविध जहाज बांधणी केंद्रे, दारुगोळा निर्मितीची उचलवणी केंद्रे विशेष लष्करी दृष्ट्या महत्वाच्या ऐतिहासिक किल्ल्याची पहाणी व अभ्यास करणे इ. भेटी आणि अहवाल.

"केंसरावडी" :-

- १) पहिले व दुसरे महायुद्ध.
- २) १९६३ ते भारताची तृतीय युद्ध.
- ३) १९७१ चे भारत पाक युद्ध.
- ४) आखाती युद्ध.
- ५) अरब - इराईल संघर्ष.

५) नकाशातील स्थाने दर्शविणे :-

- १) सांख्यिक नकाशातील कारखाने.
- २) संरक्षण उत्पादन कारखाने.
- ३) लष्करी दृष्ट्या व औद्योगिक दृष्ट्या महत्वाचे मार्ग.

महत्वाची खादिले असलेले प्रदेश किंवा ठिकाणे.

- ४) लष्करी दृष्ट्या महत्वाची विमानतळे.

- 5) आंतरराष्ट्रीय विमान मार्ग, राजधानीची शहरे.
- 6) आपले शेजारील देश त्याच्या राजधानीची शहरे.
- 7) आपल्या देशाच्या आंतरराष्ट्रीय भूसीमा - तेथील लष्करी दृष्ट्या महत्वाची ठिकाणे, सिंडी, टेकड्या, रीड, पुल, रेल्वेमार्ग - राजकीय विभाग.
- 8) तेलक्षेत्रे, लष्करी छावण्या इ.
- 9) लष्करी महत्वाचे किल्ले.
- 10) अणुशक्ती केंद्रे.
- 11) सागरीसीमा - तेथील महत्वाची बंदरे, प्रादेशिक जलशास्य, गोद्या, मालधक्के.
- 12) नौसेनेची महत्वाची ठिकाणे.
- 13) शियाहीन अक्साइड्रीन, ह्यूबीखोरे, मॅकमोहन रेषा, आंतरराष्ट्रीय सीमा, प्रत्यक्ष नियंत्रणरेषा.

5) आराखडा व आलेख काढणे :-

- 1) भूसीमांचा किंवा सागरी सीमांचा आराखडा.
- 2) आजपर्यंत - संरक्षण अंदाज परकालील/संरक्षण खुर्चातील बदल उताराचा आलेख.
- 6) मॉडेल्स तयार करणे :- रणगाडा, विमान व जहाज, विविध लढाऊ विमाने, क्षेपणास्त्रे, संगणक, रोबोट, रडार.
- 7) प्रोजेक्ट :- संरक्षण क्षेत्रातील कोणत्याही एका घटकाला सखोल अडवाल.
- 8) कारखानदारीच्या एकाद्या उत्पादनाची पुरवठा व्यवस्था.
- 9) संरक्षण माहितीचा साठा व त्या साठ्याच्या विशेष पध्दती (संगणकद्वारे).
- 10) इंटरनेटद्वारे अद्ययावत संरक्षण विषयक माहिती.
- 11) हवामानाचा अंदाज आणि भविष्याचा सुद्ध कार्यवाहीतील परिणाम.
- 12) सैन्यभरती व प्रशिक्षण सदर्भात सांख्यिकी माहिती.
- 13) माहिती तंत्रज्ञानातून राष्ट्रीय सुरक्षा, साधने.

सुचना :-

संरक्षण व सामरिक अभ्यास विषयाच्या अभ्यासक्रमात शैक्षणिक अभ्यास सहल अत्यावश्यक आहे.