

|| तूष्णीं कथं न जानज्योत ||



**NORTH MAHARASHTRA UNIVERSITY,  
JALGAON**

**DEFENCE & STRATEGIC STUDIES**

**SYLLABUS FOR T.Y.B.A. / B.Sc.**

**SEMESTER PATTERN**

**SEMESTER V & VI**

**(W.E.F. June 2015)**

# **NORTH MAHARASHTRA UNIVERSITY, JALGAON**

## **DEFENCE & STRATEGIC STUDIES**

### **SYLLABUS FOR T.Y.B.A. / B.Sc.**

#### **SEMESTER PATTERN**

##### **SEMESTER V & VI**

*(W.E.F. June 2015)*

##### **Semester V**

DEF- 351-	<b>A-</b>	<b>Global Security - I</b>
DEF-351-	B -	(Optional) International Law - I
DEF- 352-	A-	Contemporary Study of War & Peace - I
DEF- 352-	B -	(Optional) Industrial Security - I
DEF- 353-	A-	Geo - strategy
DEF- 353-	B-	(Optional) Defence Economics.

##### **Semester VI**

DEF- 361-	<b>A-</b>	<b>Global Security -II</b>
DEF- 361-	B-	Optional) International Law - II
DEF- 362-	A-	Contemporary Study of War & Peace. -II
DEF- 362-	B-	(Optional) Industrial Security -II
DEF- 363-	A-	Military Geography
DEF- 363-	B-	(Optional) Defence Production

#### **Members of Subcommittee-**

- **Dr. V. Y. Jadhav** , (Chairman, B.O.S., Defence & Strategic Studies)
- 1. **Dr. N. Z. Patil**, (Chairman, Subcommittee) K.N. B. Arts College, Navalnagar
- 2. **Prof. Y. B. Nikumbh**, Z. B. Patil Arts, Commerce & Science College, Dhule
- 3. **Prof. B. M. Tayade**, Jijamata Arts, Commerce & Science College, Nandurbar.
- 4. **Dr. D. G. Vispute**, V.W.S. Arts, Commerce & Science College, Dhule.
- 5. **Prof. J. D. Lekurwale**, Dr. Bendale Mahila College, Jalgaon

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**Semester V**

**DEF - 351- A- Global Security - I**

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|--|-----------|
| <b>1. Global Security -</b>  | <b>09</b> |
| a) Meaning & Concept of Global Security  |           |
| b) Recent Trends   |           |
| c) Traditional Security & Non Traditional Security.                                    |           |
| <b>2. Globalization and Security</b>   | <b>08</b> |
| a) Meaning & Concept   |           |
| b) Impact of Globalization (Social, Political, Economic, Technological, Environmental) |           |
| <b>3. New World Order after Cold war</b>   | <b>08</b> |
| a) Meaning & Concept   |           |
| b) Causes  |           |
| c) Effects (Social, Political, Economic, Technological, Security)                      |           |
| <b>4. Economic Regional Organizations and security</b>                                 | <b>10</b> |
| a) <b>ASEAN</b> - Introduction, aims, objectives, Current Relevance.                   |           |
| b) <b>OPEC</b> - Introduction, aims, objectives, Current Relevance.                    |           |
| c) <b>EU</b> - Introduction, aims, objectives, Current Relevance.                      |           |
| d) <b>SAARC</b> - Introduction, aims, objectives, Current Relevance.                   |           |
| e) <b>BRICS</b> - Introduction, aims, objectives, Current Relevance.                   |           |
| <b>5. Problem of World Peace and Security</b>  | <b>10</b> |
| a) Weapons of Mass Destruction (W M D)   |           |
| b) National Missile Defence (NMD)  |           |
| c) Proliferation of Small Arms.  |           |

## Reference

1. Balan K *The Millennium Thoughts challenges to service*, Author Press, Delhi 2001.
2. Karn Margaret P. Mingst, *International organization The political & Process of Global Governance*, Viva books pvt. Delhi 2005.
4. Mishra Brijaylaxmi, *United Nations and Security Challenges In New millennium*, Kilaso books, New Delhi 2004.
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**Semester V**

**DEF-351- B - (Optional) International Law - I**

- |  |           |
|--|-----------|
| <b>1. Historical Development of International Law.</b>   | <b>08</b> |
| a) Brief History of International Law                    |           |
| b) Definitions of International Law                      |           |
| c) Shortcomings of International Law                     |           |
| <b>2. Nature of International Law</b>                    | <b>08</b> |
| a) Debate on International Law                           |           |
| b) Foundations of International Law                      |           |
| c) Rights of Nation                                      |           |
| <b>3. Sources of International Law</b>                   | <b>09</b> |
| a) Classifications of Sources of International Law       |           |
| b) International Law Commission (1947)                   |           |
| c) need of Codification                                  |           |
| <b>4. Subjects in International Law</b>                  | <b>10</b> |
| a) State: as a subject of International Law              |           |
| b) Individual: as a subject of International Law         |           |
| c) Non State entities: as a subject of International Law |           |
| <b>5. Human Rights &amp; International Law</b>           | <b>10</b> |
| a) Universal Declaration of Human Right                  |           |
| b) Concept of Human Rights                               |           |
| c) Human Rights Movements                                |           |
| i) International   |           |
| ii) National   |           |

### References -

- 1) Chandra Satish, *Law of The Sea: Text On U.N. Conventions*, Mittal Publications, New Delhi, 1985
- 2) Green L. C. *International Law through the cases*, Oceana Publications, New York, 1970.
- 3) Malhotra Vinay Kumar , *International Relations*, Amol Publications, New Delhi, 2001.
- 4) Anand R. P., *New States and International Law*, Vikas Publications, New Delhi, (Viyas) 1972.
- 5) Anand R. P., *Studies in International Adjudication*, Vikas Publications, New Deli, 1963
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**Defence & Strategic Studies**

**SYLLABUS FOR T.Y.B.A.**

**Semester V**

**DEF- 352- A- Contemporary Study of War & Peace - I**

- |   |           |
|---|-----------|
| <b>1. Changing International Environment since world war II</b>       | <b>10</b> |
| a) Increasing Importance of Military Power                            |           |
| b) Technological power and increasing compulsion                      |           |
| c) Political Power and increasing compulsion                          |           |
| d) Economic power and increasing compulsion                           |           |
| <b>2. Cold War</b>  | <b>10</b> |
| a) Meaning  |           |
| b) Concept  |           |
| c) Scope  |           |
| d) Causes   |           |
| e) Effects  |           |
| <b>3. Detente</b>   | <b>10</b> |
| a) Meaning, Causes  |           |
| b) Nature   |           |
| c) Evaluation   |           |
| <b>4. Deterrence</b>  | <b>10</b> |
| a) Meaning, Definitions, strategy                                     |           |
| b) Requirements of Deterrence- communication, capability, credibility |           |
| c) The efficiency of war  |           |
| d) The theory of Nuclear Deterrence.                                  |           |
| <b>5. Balance of Power</b>  | <b>10</b> |
| a) Meaning, Definition, Objectives                                    |           |
| b) Different forms of Balance of power                                |           |
| c) Ways of Techniques of maintaining balance                          |           |
| d) Contemporary Balance of power                                      |           |

### Reference:-

- 1) Calvocoressi peter, *World Politics since 1945*, London, Longman,2000.
- 2) Halperin Morton, *Contemporary Military Strategy*, Faber & Faber; Revised edition (December 1970)
- 3) Maurice Clark - *Reading in the economics of War*, University of California Libraries,1918
- 4) Palmer & Parking, *International Relation*, Scientific Book Agency, Calcutta,1970.
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- 6) Singh Lallanji, *Rashtriya Raksha aur Suraksha*, Prakash book depot, Bareilly, 2003.
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**SYLLABUS FOR T.Y.B.A.**

**Semester V**

**DEF- 352- B - (Optional) Industrial Security - I**

- |  |           |
|--|-----------|
| <b>1. Industrial security –</b>                          | <b>09</b> |
| a) Meaning   |           |
| b) Concept   |           |
| c) History   |           |
| c) Objective   |           |
| d) Importance  |           |
| e) Scope.  |           |
| <b>2. Security of Law –</b>                              | <b>10</b> |
| a) i] Indian Pinal Code,                                 |           |
| ii] Fundamental rights,                                  |           |
| iii] Criminal Crimes.                                    |           |
| b) i] Bombay Police Act 1951,                            |           |
| II] First Information Report,                            |           |
| III] Evidence, Court Procedure.                          |           |
| <b>3. Industrial crimes –</b>                            | <b>08</b> |
| a) Nature  |           |
| b) Types   |           |
| c) Scope.  |           |
| <b>4. Security planning of Implementation –</b>          | <b>09</b> |
| Basic principles, danger of remedy to remove it,         |           |
| Perimeter wall, Security lighting.                       |           |
| <b>5. Central Industrial Security Force (C. I. S. F)</b> |           |
| a) Establishment   |           |
| b) Structure   |           |
| c) Functions   |           |

**Reference:-**

1. Trilok Nath, *National security*, B.R. Publishing corporation, 1986,
2. Wadekar Bal, *Industrial security*, Priyada Prakashan, Pune, 1987,
3. Leo G. Savels, *Electronic Security system*.
4. Oliver Eric., Wilson John, *Practical security*.
5. Bays R.K., *Police code and practice*
6. Annual Reports of Ministry of Home, Government of India. (every year)
7. [www.cisf.gov.in](http://www.cisf.gov.in)

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**DEF- 353- A- Geo - strategy**

- |   |           |
|---|-----------|
| <b>1. Geo strategy</b>  | <b>08</b> |
| a) Meaning, Definition and concept  |           |
| b) Scope and Importance   |           |
| c) Uses of Geo strategy   |           |
| <b>2. Geostrategic Minerals</b>   | <b>08</b> |
| a) Meaning  |           |
| b) Importance   |           |
| c) Uses of Geostrategic Minerals  |           |
| d) Geostrategic Importance of Western Asia  |           |
| <b>3. Geostrategic Importance</b>   | <b>09</b> |
| a) Diego- Garcia  |           |
| b) Andaman, Nicobar   |           |
| c) Jammu and Kashmir  |           |
| d) Diego- Garcia  |           |
| <b>4. Geostrategic Importance of Himalayan States and its effects on India's Security</b> | <b>09</b> |
| a) Nepal  |           |
| b) Bhutan   |           |
| <b>5. Geostrategic Issues of India</b>  | <b>10</b> |
| a) Northern Border  |           |
| b) Western Border   |           |
| c) Eastern Border   |           |
| d) Maritime Boundaries  |           |

### Reference Books -

1. Pater Alis and P.G. Estel, *Military Geography*.
2. Air Comdr., Jusjit Sing, *Air Power*, Lancer international, Delhi 1988.
3. Peder and Percy, *Military Geography*, East west Press Pvt. 1981.
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**Semester V**

**DEF- 353- B- (Optional) Defence Economics.**

<b>1) Importance and Need of Defence Expenditure</b>	<b>07</b>
<b>2) Peace Time Economy</b>	<b>09</b>
a) Background	
b) Aims, Objectives of Peace Time Economy	
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 and Demerits of peace Time Economy	
<b>3. War Time Economy (Problems)</b>	<b>07</b>
a) Allocation of Natural Resources	b) Divisions of Factors of Production
c) Complementary Products	d) Price and Financial Policy
e) Personnel	
<b>4. Post-War Economy (Problems)</b>	<b>09</b>
a) Enormous National Debts	b) Damages of Properties
c) Demobilization of Army	d) Morale
e) Deconversion of Industries	
f) Equipments of peace time production	
<b>5. Economic Cost of war</b>	<b>06</b>
a) Meaning of Economic cost of war	
b) Problems of Measuring the Real cost of war	
<b>6. Defence Spending in India</b>	<b>07</b>
a) Background	
b) Growth and Development of Defence Expenditure (Army, Navy, Air Force)	
c) Present trend of defence expenditure and futuristic approach and effect of defence expenditure of China and Pakistan	

### References:

1. Ghosh A. K., *India's Defence Budget and Expenditure Management*, Lancer Publishers, 1996.
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**Semester VI**

**DEF 361 - A - Global Security – II**

<b>1. Environmental Security</b>	<b>10</b>
a) Meaning and Concept	
b) Pollution- Meaning,	
c) Types and Effect	
d) Global Warming - Meaning, Definition, Concept	
e) Water Security - Meaning, Definition, Concept	
f) Measures taken (Rio and other Conferences)	
<b>2. Organized Crime</b>	<b>09</b>
a) Terrorism- Meaning, Concept, Effects, Relevance	
b) Drug Trafficking- Meaning, Concept, Effects, Relevance	
c) Fake Currency- Meaning, Concept, Effects, Relevance	
<b>3. Technology and Security</b>	<b>08</b>
a) Cyber Crime - Meaning, Concept, Types and Effects.	
b) Transfer of Nuclear Technology and its effects	
<b>4. Global Crises and Security</b>	<b>09</b>
a) Economic	
b) Energy	
c) Ethnic	
<b>5. Human Health and Security</b>	<b>09</b>
a) Health Security – Epidemic Diseases:- Swine flu, Bird flu, Ebola	
b) Food Security.	

### **Reference:-**

1. Balan K The Millennium Thoughts challenges to service. Author Press, Delhi 2001.
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**DEF- 361- B- (Optional) International Law - II**

- |  |           |
|--|-----------|
| <b>1. Legal Control of International Conflict Under United Nations Charter</b> | <b>10</b> |
| a) Collective Security   |           |
| b) Peace Keeping forces  |           |
| <b>2. Maritime Piracy</b>  | <b>10</b> |
| a) Meaning   |           |
| b) Concept   |           |
| c) Related Laws  |           |
| <b>3. International Law related to law of war</b>                              | <b>05</b> |
| a) Hague Convention  |           |
| b) Geneva Convention   |           |
| <b>4. War Crimes</b>   | <b>10</b> |
| <b>5. Neutrality</b>   | <b>10</b> |
| a) Relation between Belligerent and Neutral                                    |           |
| b) Blocked   |           |
| c) Contraband  |           |

**References: -**

- 1) Chandra Satish, *Law of The Sea: Text On U.N. Conventions*, Mittal Publications, New Delhi, 1985
- 2) Green L. C. *International Law through the cases*, Oceana Publications, New York, 1970.
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**Semester VI**

**DEF- 362- A - Contemporary Study of war and Peace-II**

- |  |           |
|--|-----------|
| <b>1. Collective Security</b>                    | <b>10</b> |
| a) Meaning and definitions                       |           |
| b) Foundation of collective security             |           |
| c) Collective security and collective Defence    |           |
| d) Evaluation                                    |           |
| <b>2. Non-Alignment</b>                          | <b>09</b> |
| a) Meaning                                       |           |
| b) Development                                   |           |
| c) India's role for Non-alignment                |           |
| d) Evaluation                                    |           |
| <b>3. Disarmament and arms control</b>           | <b>08</b> |
| a) Meaning & Definition, Nature                  |           |
| b) Types   |           |
| c) Disarmament in Nuclear Race                   |           |
| d) Evaluation                                    |           |
| <b>4. Science, Technology and National Power</b> | <b>10</b> |
| a) Introduction                                  |           |
| b) Atomic & Nuclear Technology                   |           |
| c) Use of Nuclear Technology                     |           |
| d) Misuse of Nuclear Technology                  |           |
| e) Nuclear power for civil use                   |           |
| <b>5. Peace Research</b>                         | <b>08</b> |
| a) Meaning                                       |           |
| b) Concept                                       |           |
| c) Trends of peace-Research                      |           |

### Reference:-

- 1) Calvocoressi peter, *World Politics since 1945*, London, Longman,2000.
- 2) Halperin Morton, *Contemporary Military Strategy*, Faber & Faber; Revised edition (December 1970)
- 3) Clark Maurice, *Reading in the economics of War*, University of California Libraries,1918
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**SYLLABUS FOR T.Y.B.A.**

**Semester VI**

**DEF- 362- B- (Optional) Industrial Security –II**

- |   |           |
|---|-----------|
| <b>1. Role of security –</b>  | <b>09</b> |
| Main gate, Reception room, search room, Vehicle gate,<br>Search gate, Control room.               |           |
| <b>2. Department of security –</b>  | <b>09</b> |
| Importance types, Role.   |           |
| <b>3. Fire preventive Measures –</b>  | <b>10</b> |
| Meaning, Classification, Causes,<br>Fire preventive equipment and measures, Early warning system. |           |
| <b>4. Security organization –</b>   | <b>10</b> |
| Chief security officer, Assistance security officer,<br>Inspector of security.                    |           |
| <b>5. First aids –</b>  | <b>10</b> |
| Meaning and concept, Importance, various types, first aid box.                                    |           |

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1. Nath Trilok, National security, B.R. Publishing corporation, 1986,
2. Wadekar Bal, Industrial security, Priyada Prakashan, Pune, 1987,
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**Defence & Strategic Studies**

**SYLLABUS FOR T.Y.B.A.**

**Semester VI**

**DEF 363 A - Military Geography**

- |  |           |
|--|-----------|
| <b>1. Geopolitics</b>  | <b>08</b> |
| a) Meaning, Definition and Concept   |           |
| b) Objectives, Nature and Scope  |           |
| c) Importance of Geopolitics (Peace Time and war Time)   |           |
| <b>2. Evolution of Geopolitical Thoughts</b>   | <b>10</b> |
| a) Prof. Halford J. Mackinder's Hartland Theory  |           |
| b) Admiral A. T. Mahan and his Sea-Power Theory  |           |
| c) Dr. Karl Haushofer  |           |
| d) Giulio Douhet   |           |
| <b>3. Military Geography</b>   | <b>10</b> |
| a) Meaning, Definition   |           |
| b) Scope and Concept   |           |
| c) Uses of Military Geography  |           |
| d) Principles of Military Geography  |           |
| e) Importance of Military Geography  |           |
| <b>4. Geographical Factors Affecting War</b>   | <b>07</b> |
| a) Location  |           |
| b) Climate   |           |
| c) Boundaries  |           |
| d) Topography  |           |
| e) Shape   |           |
| f) Size  |           |
| <b>5. Impact of Geography on Military Operations</b>   | <b>10</b> |
| a) Land, Air and Sea.  |           |
| b) Logistics – Concept.  |           |
| c) Principles, Resources and problems in Plain,<br>Desert, Jungle, High Altitudes Area, Wetland, Sea and Air |           |

### References

1. Pater Alis and P.G. Estel, *Military Geography*
2. Jusjit Sing, *Air Power*, Lancer international, Delhi 1988.
3. Peder and Percy, *Military Geography*, East west Press Pvt. 1981.
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6. DAS S.T., *Studies in Defene Strategy*, Sagar Publication Delhi
7. Modie A E, *Geography behind politics*, B I Publication, Delhi 1965.
8. Bhagwat A. V., *Rajkiya Bhoogol*, Narendra Prakashan, Pune, 1978.
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**Defence & Strategic Studies**

**SYLLABUS FOR T.Y.B.A.**

**Semester VI**

**DEF- 363- B- (Optional) Defence Production**

- |  |             |
|--|-------------|
| <b>1) Defence Production and Organization in India</b>   | <b>09</b>   |
| a) Department of Defence Production in the Ministry of Defence (Structure and Functions)       |             |
| b) Industrial potential of Expansion of Military Strength                                      |             |
| c) Defence Production Organization (Main)  |             |
| <b>2. Defence Production Industries in India</b>   | <b>09</b>   |
| a) Defence Public sector Undertakings (DPSU)   |             |
| b) Private Sector and small scale Industries (Link with Logistics), Interaction with Industry. |             |
| <b>3. Defence Research and Development Organization (DRDO)</b>                                 | <b>06</b>   |
| a) Structure   |             |
| b) Development   |             |
| c) Role  |             |
| <b>4. Arms and Ammunition Production and Ordnance Factories</b>                                | <b>(07)</b> |
| a) Small Arms  |             |
| b) Artillery   |             |
| c) Tanks and Combatant Vehicles  |             |
| d) Ammunitions   |             |
| <b>5. Engineering and Electronic Equipments Production in India</b>                            | <b>07</b>   |
| <b>6. Technology in India</b>  | <b>07</b>   |
| a) Missiles Technology   |             |
| b) Nuclear Establishments,   |             |
| c) Space Technology and Development  |             |

## References

1. Ghosh A. K., *India's Defence Budget and Expenditure Management*, Lancer Publishers, 1996.
2. Birla Institute of Research, *Self Reliance and Security*, Radigut Publishers, Delhi, 1984.
3. Ron. Mathevos, *Defence Production in India*,
4. Clark J., *Reading in the Economics of War*, Maurice.
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**Revised Syllabus for T.Y. B.A / T.Y. B. Sc.**

**Semester: - V & VI (W.e.f. June 2015)**

<b>Sr. No.</b>	<b>Old Paper Code No</b>	<b>Old Course W.e.f. June 2012</b>	<b>New Paper Code No</b>	<b>New Courses W.e.f. June 2015</b>
1	DEF 351A	Global Security - I	DEF 351A	Global Security - I
	DEF 361A	Global Security - II	DEF 361A	Global Security - II
2	DEF 351 B (Optional)	Strategic Thinkers- I	DEF 351 B (Optional)	International Law - I
	DEF 361 B (Optional)	Strategic Thinkers- II	DEF 361 B (Optional)	International Law - II
3	DEF 352 A (S3)	Contemporary Study of War & Peace - I	DEF 352 A	Contemporary Study of War & Peace - I
	DEF 362 A (S3)	Contemporary Study of War & Peace - II	DEF 362 A	Contemporary Study of War & Peace. -II
4	DEF 352 B (Optional)	Role of military and civil Society in Disaster - I	DEF 352 B (Optional)	Industrial Security - I
	DEF 362 B (Optional)	Role of military and civil Society in Disaster - II	DEF 362 B (Optional)	Industrial Security -II
5	DEF 353 A	Geo-strategy	DEF 353 A	Geo - strategy
	DEF 363 A	Military Geography	DEF 363 A	Military Geography
6	DEF 353 B (Optional)	Defence Economics	DEF 353 B (Optional)	Defence Economics
	DEF 363 B (Optional)	Defence Production	DEF 363 B (Optional)	Defence Production

**Dr. N. Z. Patil**

Chairman, Syllabus Reframing Committee