

North Maharashtra University, Jalgaon.

Defence & Strategic Studies

Syllabus For T . Y . B . A .

(w.e.f. From June 2009)

Defence & Strategic Studies
T. Y. B. A. Syllabus
(w.e.f. June 2009)

DEF - G3-Disaster Management .

DEF - G3- (Optional) Global Security.

DEF - S3- Contemporary Study of War& Peace.

DEF - S3- (Optional) Terrorism.

DEF -S4- Geopolitics and Military Geography.

DEF - S4- (Optional) Industrial Security.

MEMBERS OF SYLLABUS SUBCOMMITTEE

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Prof. Salunke R. B. S S V P s Arts &com. College Dhule.

Prof. Sutar Y. N. B. P. Arts College Chalisgaon.

Dr. Vijay Khare Pune University, Pune.

Defence and Strategic Studies
DEF –G3 -General Paper
DISASTER MANAGEMENT
(80 + 20 Pattern)

	Total Period
1. DISASTER	06
1. Definition.	
2. Aims & Objectives of Disaster.	
2. NATURAL DISASTER	09
1) Characteristics.	
2) Types : Earthquake , Volcano , Tsunami Waves , Land slide , Storm , Cyclone.	
3. HUMAN DISASTER	10
1) Characteristics.	
2) Types : Terrorism Fire, Medical Adulteration, Poisoning, Strikes, Accidents- Causes & Effects.	
3) War and Disaster.	
4. ENVIRONMENTAL POLLUTION	10
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	
5. ENVIRONMENTAL DISASTER AND HUMAN POPULATION	
1) Definition of Environmental Disaster & population	10
2) Elements.	
3) Types – Climate change, Global Warming, acid rain, Ozone layer Depletion, Population Pressure – Causes & Effects.	
4) Human Health and Disaster.	

Part – II

6. DISASTER MANAGEMENT	10
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.	
7. NATURAL DISASTER MANAGEMENT	08
1) Planning, Technical Ways.	
2) Co-operation factors.	
3) Natural Disaster Reduction and Management.	
8. HUMAN DISASTER MANAGEMENT	08
1) Security Forces – Role.	
2) Civil Defence – Role.	
3) Rescue – Role.	
4) Search campaign.	
9. MANAGEMENT OF ENVIRONMENT	09
1) Aspects of environmental management.	
2) Approaches of environmental management.	
10. PUBLIC AWARENESS	10
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.	

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.
- 5) Alizad, Varad, Bhos- “Paryawaran Vidnyan”
- 6) Gharpure Vitthal- “Paryawaran Bhugolshastra”
- 7) David Warne- Where there is no Doctor (1981)
- 8) Deshmukh Shripad- Water pollution, Noise pollution, Air pollution.
- 9) Jasjeet Sinha (Air Cdr)- “Bhartiy Parmanushastra”.
- 10) Patkar M.G.- Principal of Management.
- 11) Rais Alehtar and Yoga Verhasselt- Disease Ecology and Health.
- 13) Ramakant Bhola- Post Cold War Development in South Asia.
- 14) Simmons I.G. – Biography – Natural and Cultural.
- 15) Shrivastava B.P.- Our Forests.
- 16) Sarang Subhashchandra- “Paryawaran Bhugol”.
- 17) T.N.Khoshoo- Environment concern and Strategies.
- 18) Cunningham (IIIrd Cdr) – Environment Science.
- 19) Agrawal S.K.- Environmental Issues and Themes.
- 20) Trivedi P.R. Gurudeep Raj – Encyclopedia of Environmental Science.
- 21) Savindrasingh – Environmental Geography.
- 22) Chatwal G.R. and Sharma Harish – Environmental Studies.
- 23) Dr. Nadaf F.M.& Mr. Pawaskar – Environmental Studies – Volume I ,II
- 24) Prof. Patil Jayshree – Environmental Sciences.

Defence & Strategic Studies
Def –G3- General Paper - Optional
Global Security.
(80 + 20 Pattern)

Part – I	Total Period
1. <u>National Security</u> - a) Concept b) Resent Trend c) Traditional Security& Non Traditional Security.	09
2. Decline of Cold War and Emergence of New World Order – a) Meaning & Concept b) Causes c)Effects	08
3. <u>Economic Regional Organisation and Security</u> – a)ASEAN b)OPEC c) EU d)IOR e)SAARC	10
4. <u>Problem of world Peace and Security</u> – a) Weapons of Mass Destruction b) (W M D) Missile Defence c) Proliferation of Small Arms.	10
5. <u>Globalisation and Security</u> – a)Meaning & Concept b)Migration & Refugees.	08
Part II	
6. <u>Environment & Security</u> – a) Pollution (Rio and other Conferences) b) Global Warming c)Water Security.	10
7. <u>Organised Crime</u> – a) Terrorism b) Drug Trafficking c) Cyber Crime	10

Defence and Strategic Studies
DEF –S 3 - Spl Paper
Contemporary Study of War and Peace
(80 + 20 Pattern)

Part – I

Total Period

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| 1. <u>Changing International Environment Since World War-II.</u> | 10 |
| a) Increasing Importance of Military Power. | |
| b) Technological power and Increasing Compulsion. | |
| c) Political power and Increasing Compulsion. | |
| d) Economic Power and Increasing Compulsion. | |
| 2. <u>Cold War.</u> | 08 |
| a) Meaning, | |
| b) Concept, | |
| c) Scope. | |
| 3. <u>Détente.</u> | 08 |
| a) Meaning , Causes | |
| b) Nature. | |
| c) Evaluation. | |
| 4. <u>Deterrence..</u> | 09 |
| a) Meaning, Definitions, Strategy. | |
| b) Requirements of Deterrence- Communication, Capability, Credibility. | |
| c) The Efficiency of War. | |
| d) The Theory of Nuclear Deterrence. | |
| 5. <u>Balance of Power.</u> | 10 |
| a) Meaning, Definition, Objectives. | |
| b) Deferent Forms of Balance of Power. | |
| c) Ways of Techniques of maintaining balance. | |
| d) Balance of Power Today. | |

Part - II

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| 6. <u>Collective Security.</u> | 10 |
| a) Meaning & Definitions. | |
| b) Foundations Collective Security. | |
| c) Collective Security and Collective Defence. | |
| d) Evaluation. | |
| 7. <u>Non Alignment</u> | 09 |
| a) Meaning Development. | |
| b) Conferences – 1983 to 1998. | |
| c) Evaluation. | |
| 8. <u>Disarmament and Arms Control.</u> | 09 |
| a) Definitions, Nature. | |
| b) Types. | |
| c) Disarmament in Nuclear Contest. | |
| d) Evaluation | |
| 9. <u>Science, Technology and National Power.</u> | 10 |
| a) Meaning. | |
| b) Atomic & Nuclear Technology. | |
| c) Uses of Nuclear Technology. | |
| d) Misuse of Nuclear Technology. | |
| e) Nuclear power for Civil Use | |
| 10. <u>Peace Research</u> | 09 |
| a) Meaning. | |
| b) Concept. | |
| c) Trends of Peace Research. | |

REFERENCES:-

1. Calvocovessi Peter- World Politics Science 1945.
2. Halperin Morton- Contemporary Military Strategy.
3. Maurice Clark- Reading in the Economics of War.
4. Prodie R- Strategy in the missile Age.
5. Dr. Lallanji Singh- Rashtriya Raksha aur Suraksha.
6. Dr. Ashok Kumar Singh- Rashtriya Suraksha.
7. Lallanaji Singh- Strategic Adhyayan.
8. Krushna Kumar Rattu- Bhartiy Parmanu Parikshan aur Nirstrikan.
9. Dr. Ashok Kumar Singh- Adhunik Strategic Vichardhara..
10. Dr. Vasant Raipurkar- Anterrashtriya Sambandh.
11. Morgenthau Hence, Politics Among Nations.
12. Panikar K. M., Geographical factors in Indian History.
13. Parmer and Parkins, International Relations.

Defence & Strategic Studies

DEF- S3-Special Paper - Optional

Terrorism

(80 + 20 Pattern)

Part – I

Total Period

1. Terrorism:-

12

- a) Historical Background.
- b) Meaning & Concept.
- c) Aims & Objectives.
- d) Causes – Political, Social Backwardness, Economical, Fundamentalism.
- e) Types of Terrorism – (State Sponsored Terrorism, Nationalist Separatism, Pro State Terrorism, Religious Terrorism Communism, Anarchism, etc.)
- f) Diverse Agents – Ruthless Authority, Revolutionary org., Radical groups, impetuous individuals, street criminals, Religious Minority Status, Corruption, leadership Crisis, Economical & Psychological imbalances.
- g) Various Ways – Subversive sabotage, profitable kidnapping, Stunning, Assassinations, Brutal bombing, Propagandist.

2. International Terrorism:-

10

- a) Meaning & Concept.
- b) Nature – Racial, Fundamentalist, Chemical, Bio, Nuclear, Cyber Terrorism, Narco.
- c) Effects – Cultural Clash, Economic Ideology, Environment of Nuclear Proliferation, Human Rights, Media, National Security, Gun Culture.

3. Religion & Terrorism. 08

4. Globalization & Terrorism - Current Trends. 07

5. Economics of Terrorism 08

- a) Future Treats.

Part – II

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| 6. <u>Preventive Measures</u> | 10 |
| <ul style="list-style-type: none"> a) Economical Factors b) Social Factors- (Religious, Communal, Minority, Homogeneous) c) Psychological Factors- (Awareness, Lack of Loyalty, Supporting Surrounding Devising, Obstacles.) d) Political Factors- Corruption, Democracy, Communist. e) Other- Recruitment of force, Against terrorist, Role of Media, Cut the logistics, Intelligence Sharing, Freeze Bank Accounts. | |
| 7. <u>Counter Terrorism –</u> | 08 |
| <ul style="list-style-type: none"> a) Meaning & Definition b) Differences between- Terrorism, Insurgency plot, Armed Insurrection etc. | |
| 8. <u>Security Measures:-</u> | 10 |
| <ul style="list-style-type: none"> a) Responsive Approach. b) Residential Protection c) Working place Security d) Transit Safety e) Institutional Aid. | |
| 9. <u>Suppression of Terrorism:-</u> | 09 |
| <ul style="list-style-type: none"> a) International Law. b) Role of Individual. c) Problem of Extradition. | |
| 10. <u>Role of U N against Terrorism .</u> | 08 |

References:-

1. Anand V.K., Terrorism & Security, Deep & Deep Delhi, 1984.
2. Anand V.K. Insurgency & Counter Insurgency Deep & Deep
3. Bhatnagar Ved, Challenges to India's Integrity, Rawat Publication, Delhi, 1998.
4. Kartha Tara, Tool of Terrorism, Knowledge World, Delhi, 1999.
5. Kumar Gopa, International Terrorism and Global Order in the 21st Century, Kanishka publishers, Delhi, 2003.

6. Singh Ajit, World Terrorism today, U S Reaction, Book Enclave, Jaipur, 2002.
7. Shiva S.K., Terrorism in the New Millinium, Authers Press, 2002.
8. Khandela Manchand, Anterrashtrya Atankvad, Avishkar Publishers & Distributor Jaipur, 2002.

Defence and Strategic Studies
DEF – S4-Special Paper
Geopolitics And Military Geography.
(80 + 20 Pattern)

Part – I	Total Period
1. <u>Geostrategy-</u>	08
a) Meaning, Definition and Concepts.	
b) Scope and Importance.	
c) Usage of Geostrategy.	
2. <u>Geostrategical Minerals-</u>	09
a) Importance- Coal, Iron, Copper, Bauxite, Manganese, Uranium, Gold and Silver.	
b) Usage of Geostrategical Minerals	
c) Geostrategical importance of Western Asia.	
d) Geostrategical importance of Oil, Petrol, Natural Gas, and Atomic Energy.	
3. <u>Geostrategic Importance-</u>	09
a) Diego – Garcia.	
b) Andaman, Nikobar.	
c) J&K, Afghanistan.	
4. <u>Geostrategical Importance of Himalayan States Nepal, Bhutan</u>	09
5. <u>Geostrategical Issues of India.</u>	10
a) Northern Border.	
b) Western Border.	
c) Maritime Boundaries.	

Part II

6. <u>Geopolitics-</u>	08
Meaning, Definition & Concepts.	
a) Objectives, Nature and Scope.	
b) Importance of geopolitics(peace time & War time)	

7. Evolution of Geopolitical Thoughts- 10
 a) Machinder's Heartland Theory and its Criticism.
 b) Admiral Mahan's Sea- Power Theory, Dr. Karl Houshofer,
 c) Dohet.
8. Military Geography- 10
 a) Meaning, Defination.
 b) Scope, Concept and Uses.
 c) Principal of Military Geography
 d) Importance of Military Geography.
9. Geographical Factors Affecting War- 07
 a) Location
 b) Climate
 c) Boundaries
 d) Topography
 e) Shape
 f) Size.
10. a) Impact of Geography on Military Operations – 10
 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 Koor, War Potential of Nations
7. Harmidi, Systematic Political Geography
8. Sing Sukwant, Defence of Indian Western Border.
9. Sukwal B L, A Political Geography.
10. Sali M.L., Military Geography.

Defence and Strategic Studies
DEF –S4 - Special Paper - Optional
Industrial Security
(80 + 20 Pattern)

Part – I

Total Period

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| 1. <u>Industrial Security</u> – Meaning, Objectives, Scope & Importance. | 07 |
| 2. <u>Elements of Security</u> – Types of Security - External Security ,
Physical Security, Personnel Security , Material Security,
Internal Security. | 08 |
| 3. <u>Industrial Security & Crime</u> – Theft , Sabotage , Infiltration , Strike
etc. | 07 |
| 4. <u>Government Policy & Law</u> – Fundamental rights , Security of
Personal Property rights, Rights of Arrests & Prevention , Rights of
Searching , Types of Offence , Bombay police Act of 1951 ,
sec. 122 to 124. | 08 |
| 5. <u>Security Organisation</u> – Various Types of Section & its Security
Officers, Their Role & Duties for Security. | 08 |
| 6. <u>Security Training</u> – Brief History , Personnel Training , Fire
Prevention , Material Security , Model Study , Accident & Relief
Measures , Rights & Duties. | 07 |
| 7. <u>Security Establishments</u> – Brief History, Personnel Training, Fire
Prevention, Material Security, Model Study, Accident & Relief
Measures, Rights & Duties. | 08 |

Part – II

8. Security Establishments – Elasticity in Discipline , Leadership , Foresight , Hospitality , Uniforms , Report , Controlling the unexpected situation. 06
9. Modus Perandi of Security – Personal Checking , Custody , Money Carrying , & Its Security , Vehicle Security , Intelligence Section, R & D. 07
10. Fire Fighting & Prevention Measure – A) Meaning, Scope , Types , Equipments and Role.
B) Chemical Equipments & Its Types. Methuen and other equipment 07
11. First Aid – Definition , Types ,Methods (Artificial Respiration) & Equipments. 10
12. Pollution Control – Personal & General Disposal of Sewerages and litters , Boiler Chimney , Noticing of Danger , Measures etc. 08
12. Disasters in Industries – Natural & Man made Accidents. 07

References –

1. Fundamentals in Industrial Security, Management by Madras.
2. Bal Wadekar , Industrial Security , Pune .
3. Ghorpade Anand B., Audyogik Suraksha Ani Dakshata, Pune.
4. Bays R K Police Code and Practice.

T. Y. B. A. Defence & Strategic Studies

Equivalent Papers-

Sr. No.	Course No	Course Titles (Old Course) w.e.f. Jul, 04-05	Equivalent New Course Titles w.e.f. 2009-10
1	DEF-G-3	National Security Global Context	Global Security
	DEF-G-3	International Relations	Contemporary Study of War & Peace
2	DEF-S-3	Defence Organisation of India	Disaster Management
	DEF-S-3	Maratha Art of Warfare	Industrial Security
3	DEF-S-3	Defence Finance and Production	Geopolitics and Military Geography
	DEF-S-3	Evolution of Warfare	Terrorism