



जननायक चंद्रशेखर विश्वविद्यालय, बलिया  
Jananayak Chandrashekhar University, Ballia



**COURSE STRUCTURE FOR**

**M.A./M.Sc.**

**Defence and Strategic Studies**

UNDER SEMESTER SYSTEM

ACADEMIC SESSION -2020-21

# **M.A./M.Sc.**

## **Defence and Strategic Studies**

### **SEMESTER SYSTEM**

#### **Academic Session 2020-21**

The Study of Defence and Strategic Studies course have been designed/redesigned/ updated as per present and future needs. Suggested Areas of research have also been added for providing directions to future researches in the area. This programme also requires proper infrastructure, trained teachers, and computers with internet connections. Different linkages, guest lectures, society and site visits will also be required to provide real life exposure.

### **M.A./M.Sc. Defence and Strategic Studies**

<b>COURSE STRUCTURE – FIRST SEMESTER</b>	<b>M.M.: 400</b>
FIRST PAPER – DSST101 Indian Military History	80 MARKS
SECOND PAPER – DSST 102 National Security	80 MARKS
THIRD PAPER – DSST 103 Evolution of Strategic Thoughts	80 MARKS
FOURTH PAPER – DSST 104 Concept of War and peace	80 MARKS
FIFTH PAPER – Practical and Viva Voce	80 MARKS

**COURSE STRUCTURE –SECOND SEMESTER** **M.M.: 400**

FIRST PAPER – DSST201 Disaster Management and National Security 80 MARKS

SECOND PAPER – DSST 202 Insurgency and Counter Insurgency 80 MARKS

THIRD PAPER – DSST 203 Armament, Disarmament and Arms Control Studies 80 MARKS

FOURTH PAPER – DSST 204 International Law 80 MARKS

FIFTH PAPER – Practical and Viva Voce 80 MARKS

**COURSE STRUCTURE – THIRD SEMESTER** **M.M.: 400**

FIRST PAPER – DSST301 Military Psychology 80 MARKS

SECOND PAPER – DSST 302 Research Methodology 80 MARKS

THIRD PAPER – DSST 303 Role of Science and Technology  
in National Security 80 MARKS

FOURTH PAPER – DSST 304 International Relation 80 MARKS

FIFTH PAPER – Practical and Viva Voce 80 MARKS

**COURSE STRUCTURE – FOURTH SEMESTER** **M.M.: 400**

FIRST PAPER – DSST401 South Asia: Conflict Co-Operation Studies 80 MARKS

SECOND PAPER – DSST 402 Defence Economics 80 MARKS

THIRD PAPER – DSST 403 Politics & Security of the Indian Ocean 80 MARKS

FOURTH PAPER – DSST 404 Geo Politics & Military Geography 80 MARKS

FIFTH PAPER – Dissertation and Viva Voce 80 MARKS

## PROPOSED REGULATIONS

Semesters/Papers	Title of the papers	Theory		Practical	
		Max. Marks	Mini. Marks	Max. Marks	Mini. marks
<b>SEMESTER I</b>		Final Exam.			
Paper DSST- 101	(Theory Paper)	80	27	-	
Paper DSST- 102	(Theory Paper)	80	27	-	
Paper DSST- 103	(Theory Paper)	80	27	-	
Paper DSST- 104	(Theory Paper)	80	27	-	
	<b>PRACTICAL AND VIVA-VOCE</b>			80	27
Total aggregate of First Semester is 36%		Max. Marks – and 400 Min. Marks – 135			
<b>SEMESTER II</b>					
Paper DSST - 201	(Theory Paper)	80	27	-	-
Paper DSST - 202	(Theory Paper)	80	27	-	-
Paper DSST - 203	(Theory Paper)	80	27	-	-
Paper DSST - 204	(Theory Paper)	80	27	-	-
	<b>PRACTICAL AND VIVA-VOCE</b>	-	-	80	27
Total aggregate of second Semester is 36%		Max. Marks – and 400 Min. Marks – 135			
<b>SEMESTER III</b>					
Paper DSST- 301	(Theory Paper)	80	27	-	-
Paper DSST - 302	(Theory Paper)	80	27	-	-
Paper DSST - 303	(Theory Paper)	80	27	-	-
Paper DSST - 304	(Theory Paper)	80	27	-	-
	<b>PRACTICAL AND VIVA-VOCE</b>	-	-	80	27
Total aggregate of third Semester is 36%		Max. Marks – 4 and 00 Min. Marks – 135			
<b>SEMESTER IV</b>					
Paper DSST - 401	(Theory Paper)	80	27	-	-
Paper DSST - 402	(Theory Paper)	80	27	-	-

Paper DSST - 403	(Theory Paper)	80	27	-	-
Paper DSST - 404	(Theory Paper)	80	27	-	-
Voce-Dissertation and Viva				80	27
Total aggregate of rthufo Semester is 36%		Max. Marks – 400 Min. Marks – 135			

Consolidate Performa for allotments of all semester are as follows-

First Semester	400	135
Second Semester	400	135
Third Semester	400	135
Fourth Semester	400	135
Grand Total	1600	135

**Note-**

1. The dissertation work may be initiated in any of II or III semester but the dissertation shall be submitted at the end of IV semester.
2. Dissertation work for research shall be 80 marks including viva-voce of dissertation work. Evaluation including viva-voce shall be conducted by external and internal examiner.
3. The minimum passing marks of every paper shall be 33 % in theory and practical separately and total aggregate of the semester shall be 36 % minimum.

## Defence and Strategic studies

# **M.A./M.Sc. (Syllabus)**

## **First-Semester**

### **Paper-I                      DSST101- Indian Military History**

**TIME ALLOWED: 3 HOURS**

**Maximum Marks: 80**

#### **Unit I**

1. Indian Military Organizations and techniques of fighting in Vedic and Epic Period.
2. Macedonian and Indian military Organizations and techniques of fighting with Particular reference to the Battle of Hydaspes, 326 B.C.
3. Kautilya's Philosophy of war : Diplomacy and strategy, the institution of Spies, Forts, Army Organizations, Mode of Warfare.

#### **Unit II**

1. Military Organizations and techniques of fighting of Rajputs and Turks with particular reference to the Battle of Tarain, 1192A.D.
2. Military Organizations and techniques of fighting of Mughals with particular reference to the first Battle of Panipat, 1526 A.D.

#### **Unit III**

1. Military Organizations of Marathas under Shivaji and his techniques of fighting.
2. Military Organizations of Sikh army and its fighting techniques under Maharaja Ranjit Singh.

#### **Unit IV**

1. Anglo-Maratha and Anglo-Sikh warfare with particular reference to the Battle of Assaye, 1803 A.D. and Battle of Chillianwala.
2. Post Independence wars : Political and Military appreciation and lessons
  - (a) Indo-Pak war (1947-48)
  - (b) Indo-China war (1962)
  - (c) Indo-Pak war (1965)
  - (d) Indo-Pak war(1971)
  - (e) Kargil Conflict (1999)

### **Books Recommended:**

1. Bharat ka Sainyaitihas-Dr. AshokkumarSingh
2. War in ancient India -R.C. Dikshit.
3. The Indian Military history - LallanjiSingh
4. Kautilya's philosophy of war - LallanjiSingh
5. RamayankalinYudhkala - LallanjiSingh
6. A History of India from earliest times to the present day – M. Edward
7. Alexander the Great - J. F. C. Fuller
8. Ancient Indian warfare - S.D. Singh
9. Military History of India - J.N.Sarkar
10. Bhartiya sainyakala ka Itihas- Dr. K.K. Yadav, Dr. Arvind Kr. Srivastava, Dr. Abhay Shankar Singh
11. Kautilya Arthashastra- R.P. Kongle
12. Bhartiya Sainya Itihas ki Rooprekha- R. Prasad & R.N. Singh
13. Military system of the Marathas – B. K. Mujumdar
14. British India 1772 to 1947- M. Edward
15. Anvik Yug Mein Bhartiya Sashastra Senaon ki Raksha Chunautiyan : Dr. K.K. Yadav, Dr. Arvind Kumar Srivastava, Dr. Abhay Shankar Singh
16. The Theory of Force and Organization of Defence-Nagendra Singh
17. The Indian Armed Force in world-B.Prasad

## **Paper- II DSST102-National Security**

**TIME ALLOWED: 3 HOURS**

**Maximum Marks: 80**

### **Unit-I**

1. Evolution of the concept of National Security with reference to contemporary thinking.
2. Components of National Security, National Power and its elements.
3. Comprehensive Security: meaning and scope.

### **Unit-II**

1. Defence, Foreign, Security and Domestic policies: concepts, formulation, objectives and linkages.
2. Defence co-operation, Strategic partnership and security dialogue: New trends in 21st century.
3. Problems of system of Governance and Human Rights.

### **Unit-III**

1. India: threats and challenges from within.
2. National Security in the age of Globalization: new threats and challenges.
3. Civil- Military relations in India.

### **Unit-IV**

1. Human Security: concept and dimensions in Indian context.
2. Energy Security: issues in Indian context.
3. Environmental security: Indian scenario.

### **Books Recommended:**

1. Socio-Economic Development Problem South and South East Asia- S. Alan and G.E. Ready.
2. Non-Alignment – U.S. Bajpai.
3. Indian Nationalism VS. International Communism – J. Bandopadhyaya.
4. Afghanistan and British India (1793-1903)- A.H.Bilgrami.



5. RashtriaSuraksha-Dr. Ashok Kumar Singh
6. Rakshaevam Strategic Adhyayan: Dr. Ashok Kumar Singh.
7. India's problem of National security in 70S – J.N. Chaudhary.
8. India land Borders, problems and challenges – P.N. Chatterjee.
9. India -Pakistan - Chaudhary
10. International Relations – J. Frankel.
11. National Defence and security- L.J. Singh .

### **Paper-III DSST103- Evolution of Strategic thoughts**

**TIME ALLOWED: 3 HOURS**

**Maximum Marks: 80**

#### **Unit I**

1. Origin, perceptions, processes, escalation. Goal achievement, etc. of conflicts in human social relations and its relevance to international conflicts.
2. Conflict as war: State behaviour, causes, correlation, domestic sources, global structural sources, commencement and termination, negotiation, ecology of warfare etc.

#### **Unit II**

1. Thoughts of Jomini and Clausewitz on Strategy, Tactics, Logistics, Principles of war and Nature of war.
2. Soviet Military strategy with reference to the views of Lenin, Trotsky, Stalin and V.D. Sokolovsky.
3. Conventional and Nuclear deterrence :
  - (a) Concept and theory of conventional deterrence.
  - (b) Concept and theories of Nuclear deterrence with reference to the views of Liddell Hart, Andre Beaufre, Y. Harkavi and Henry Kissinger.

#### **Unit III**

Military thoughts of Kautilya, Sun-T-Zu, Karl Marx and Fredrick Engles and A.T.Mahan.

## **Unit IV**

Military and Strategic View of G. Douhet, J.F.C. Fuller, B.H. Liddell Hart, H.F. Mackinder and Karl Haushofer.

### **Books Recommended:**

1. Evolution of strategic thoughts - Lallanjisingh
2. Kautilya's philosophy of war - Lallanjisingh
3. On War - Translated by Col. J.J. Graham - Clausewitz
4. Mao - Guerrilla Thoughts - Sammual B. Grifith
5. Selected Work Vol II - Karl Marx and Engles
6. Capital Vol II - Karl Marx
7. Adhunik strategic Vichardhara evam Rashtriya Suraksha: Dr. A.K. Singh
8. Makers of Modern Strategy- Earl Meade
9. Strategic Thought- ShekharAdhikari
10. Modern Strategic Thought- Dr. Girish Chand Singh
11. Important Strategic Thinkers of the World – Dr. R.K. Singh, Dr. Rakesh Singh and Dr.Rajwant Singh
12. The Conduct of War – J.F.C. Fuller
13. Remaking of Modern Armies – B.H. Liddell Hart
14. Nuclear War & Nuclear Peace – Y. Harkabi
15. The Command of Air- G. Duhet

## **Paper-IV DSST104-Concept of War and Peace**

**TIME ALLOWED: 3 HOURS**

**Maximum Marks: 80**

### **Unit-I**

#### **War :**

- A- Theories and Causes of war and war cycles
- B- Principles of war.
- C- Contemporary warfare.
- D- Conventional Warfare in Nuclear age.
- E- Limited War, Revolutionary warfare, Low Intensity Operations and Guerrilla Warfare.

### **Unit-II**

#### **Peace :**

- A- Meaning and Definition of Peace.
- B- Concept and Theories of Peace Keeping and Peace Building.
- C- Mechanics of War and Peace, Amicable Settlements of International disputes.
- D- Military Alliances and Pacts, Peace treaty, Defence cooperation, Strategic Partnership and security dialogue.
- E- Peace Research and Peace Movement.

### **Unit- III**

- A- Armaments: Arms Race, Arms Aid, Arms Trade, Arms Proliferation.
- B- Problem of system of Governance and Human Rights.
- C- Military Industrial Complex.

### **Unit-IV**

- A- Conflicting Ideologies: Militarism, Nationalism, fundamentalism, separatism, Irredentism.
- B- Regional Conflict and Role of United Nations.
- C- Gandhian Approach and its relevance for Conflict Resolution.

## **Books Recommended :-**

1. War and Peace –R. Aron.
2. Problems of War & Peace - L.J. Singh
3. Study of war Vol. I & II – Quincy Wright
4. The Relativity of war & Peace - Carb
5. Conflicts in Space - M.N. Gotovine
6. Imaging Future War & Technology and History - Anlutio, J. Echevarra
7. International Relation –B.L. Fadiya
8. International Law – B.L.Fadiya
9. BhartiyaVideshNiti -VedPrakashVadik
10. Yudhaka Adhyayan: Dr. A.K. Singh
11. War and Its Causes- L.L. Bernard
12. Causes of War – G. Blainey
13. War in Modern Society – A. Buchan
14. The Absolute Weapon –Bernard Brodie
15. War In Deterrent Age – D.K. palit

## **Paper V**

### **Practical and Viva-Voce**

**Maximum Marks: 80**

Students will be expected to mark the areas in the map provided and to write a brief note about the Spots.

1. Zonal Headquarters of Indian Army.
2. Zonal Headquarters of Indian Air force.
3. Important Naval bases and ports of India.
4. Important Nuclear and space Research establishments in India.
5. Defence Research and Development Organization in India.

## Second-Semester

### **Paper-I DSST 201 Disaster Management and National Security**

**TIME ALLOWED: 3 HOURS**

**Maximum Marks: 80**

#### **Unit-I**

1. Basic Concept and Meaning of Disaster, Disaster Security as an element of National security.
2. Relationship among Risk, Hazard and Disaster.
3. Classification of Disaster :
  - (a) Natural Disaster
  - (b) Man-made Disaster

#### **Unit-II**

1. Basic Concept of Disaster management.
2. Challenges in Disaster Management.
3. Disaster Management Cycle.

#### **Unit-III**

1. Risk Assessment and Vulnerability Analysis of Disaster.
2. Disaster Preparedness and Response.
3. Recovery, rehabilitation and reconstruction.

#### **Unit-IV**

1. Disaster in India.
2. Disaster Management Act 1995 and Disaster Management Policy in India.
3. Disaster Management Structure at National, State and Local levels in India.

## **Books Recommended:-**

1. Disaster Management, Capacity Building People Resilience-Sexsena A.K.
2. Disaster management-Solanki S.P.
3. Disaster Management Awareness and preparedness-Sharma A.K.
4. Terrorism and Disaster management-Mishra S.K.
5. Encyclopedia of Terrorist, Natural and Man Made Disasters, United Kingdom: Jones and Bartlett.-Greenburg Michael 1. (2006)
6. The Management of Burns and Fire Disasters: Perspectives 2000, Netherland: Springer Science and Business Media, Masellis, Michele and S. Willian, A Gunn (Eds. 2012).
7. Concept and practices in disaster management, Pune-Diamond Publications-Marathe, P.P. (2006).
8. Natural Disaster, New York:Rutledge – Alexander, David (1993)
9. Disaster Management in India : Challenges and Strategies, London: Taylor and Francis -Dave R.K. (eds. 2007)
10. Disaster Management: Programmes and Policies, New Delhi: Vista International Publishing House - Gautam Siddhartha (et.al 2012)

## **Paper-II DSST 202 Insurgency and Counter Insurgency**

**TIME ALLOWED: 3 HOURS**

**Maximum Marks: 80**

### **Unit I**

1. Insurgency: concept and principles.
2. Methods and techniques of Guerrilla and counter Guerrilla warfare.
3. Impact of Marxist, Leninist and Maoist ideologies on revolutionary movements.

### **Unit II**

1. Urban Guerrilla warfare.
2. Guerrilla and counter Guerrilla operations in Malaya and Indo-China.
3. Current trends of Insurgency and counter Insurgency in South Asia and the role and limitations of Military in counter Insurgency situations.

### **Unit III**

1. Terror and Terrorism: concept, characteristics and typology.
2. Methods and techniques of terrorism.
3. Causes of terrorism in India and underlying remedies.

### **Unit IV**

1. Asymmetric warfare in the contemporary age.
2. International terrorism and problems of world peace and security.
3. International and regional arrangements and co-operation for curbing Terrorism and Insurgency.

### **Books Recommended :-**

1. Counter- Insurgency Warfare: Theory & Practice- David Galula
2. Guerrillas in History- Lewis H. Ganne
3. The Guerrilla & How to Fight Him- T.N. Greene



4. Modern Guerrilla Warfare- F. M. Osanka
5. Counter-Insurgency Campaigning- Jaullan Paget
6. Essentials Of Military Knowledge- D.K. Palit
7. War in the deterrent Age- D.K.Palit
8. Insurgency War & Counter- Insurgency Operations – J.M. Srivastav
9. Insurgency & Counter-Insurgency – P.K.Gupta
10. Guerrilla & Counter- Guerrilla warfare- Willam J. Pomery

**Paper- III DSST 203-Armament, Disarmament and Arms  
Control Studies**

**TIME ALLOWED: 3 HOURS**

**Maximum Marks: 80**

**Unit I**

1. Armament: Meaning, Development and New trends.
2. Basic Concepts and theories-
  - a. Concept and correlation between Disarmament & Arms Control.
  - b. Objectives and conditions of Disarmament & Arms Control.
  - c. Elements of Arms Control Mechanism: Agreements, Verification, Inspection, Control.
3. Measures of Arms Control & Disarmament.

**Unit II**

1. Weapons of Mass Destruction- Nuclear Weapons. Chemical, Biological and Weather Weapons.
2. Conventional Disarmament and Arms Control efforts: Regional context.
3. Concept of Non- Proliferation, NPT, CTBT, PTBT, CB Conventions & other Treaties.

**Unit III**

1. Nuclear Export Control Regimes; IAEA.
2. National Policies of United States, Russia, China, UK, France towards Nuclear Non- Proliferation and N- Arms control.
3. National Policies And Approaches towards Nuclear Arms-India, Pakistan, Israel, North Korea, Iran and other Potential Proliferators.

#### **Unit IV**

1. Trends in Military Expenditures: India and the World.
2. Social and Economic consequences of Disarmament & Arms Control.
3. Role of UNO in Disarmament and Arms Control.

#### **Book Recommended:-**

1. Arms Control : Issue for the Public – Louis Henkin
2. India's Defence and Foreign Policy – V.K. Sinha
3. Disarmament and World Peace – Ashok kumar Singh
4. Politics Among Nations – H.J. Margenthau
5. The Control Of Arms Race – HedlyBull
6. RashtriaSuraksha- Dr. Ashok Kumar Singh
7. Rakshaevam Strategic Adhyayan: Dr. Ashok Kumar Singh.
8. India's problem of National security in 70S – J.N. Chaudhary.
9. War and Peace –R. Aron.
10. Problems of War & Peace - L.J. Singh
11. Study of war Vol. I & II – Quincy Wright
12. The Relativity of war & Peace - Carb
13. International Relation –B.L. Fadiya
14. Economic consequences of Disarmament- B.N. Ganguli

## **Paper-IV DSST 204 International Law**

**TIME ALLOWED: 3 HOURS**

**Maximum Marks: 80**

### **Unit I**

1. Nature and definition of international Law.
2. Sources and Historical development of international Law.

### **Unit II**

1. Relations between international Law and national Law.
2. International Law and third world perspective.

### **UNIT III**

1. Concept of states and its Types.
2. Recognition of states, Responsibility of states.

### **Unit IV**

1. Definition of Neutrality, its Characteristics, rights and duties of neutral state, intervention.
2. Blockade – Definition, Breach of blockade, The Long distance blockade.
3. Contra band – Meaning and definition, absolute and conditional contraband.

### **Books Recommended :-**

1. International Law and Politics of intervention – Md. Shahid, Md. Khalid
2. International Law Vol I and II – Oppen heim
3. International Law – J. Starke
4. International Law – Fenwick
5. International Law – Dhokqalia
6. Principles of public international Law – BrownlieLan
7. The Concept of war in contemporary history and international Law – Kotzsch.

8. Law of Nations – Brierly
9. An introduction to the Law of Nation – Oscar Syarlien
10. International Law & Human Right –RamanandGarola
11. Human Right and Constitutional Law- D.D. Basu
12. Human Right under International Law and Indian Law- S.K.Kapoor
13. International Law – S.L.Mukherjee
14. Human Right Global Perspective – Anuradha Kumar
15. Human Rights in the Modern World-R.S.Agrawal
16. Human Rights in India - G.S.Bajwa
17. Human Rights- Dr. T.P.Tripathi
18. Human Rights- Dr. J.J. Ram Upadhyay

## **Paper V**

### **Practical and Viva-Voce**

**Maximum Marks: 80**

Students will be expected to mark the areas in the map provided and to write a brief note about the Spots.

1. Disputed land Areas with bordering States-
  - (a) Pakistan
  - (b) China
  - (c) Nepal
  - (d) Bangladesh
2. Disputed Sea Areas with bordering States-
  - (a) Pakistan
  - (b) Bangladesh
3. Conflict Zones of South Asia-
  - (a) India

- (b) Pakistan
- (c) China
- (d) Nepal
- (e) Bangladesh
- (f) Sri Lanka

#### **4. Field Excursions/tour report**

Note:- In view of the courses of the National security and area studies, the students are required to visit the installations of military significance so as to enable them to understand the ground realities. Based on the field study, the students have to prepare their respective reports and the candidate would be examined at the time of practical examination of the subject. The University may provide financial assistance to teacher-in charge and the students of the concerned tour. Non-Teaching staff may be given financial help in this regard.

## **Third-Semester**

### **Paper- I DSST 301-Military Psychology**

**TIME ALLOWED: 3 HOURS**

**Maximum Marks: 80**

#### **Unit I**

Development of Military psychology and its relevance concern & Scope.

#### **Unit II**

Factors in adjustment during army life, Defence and Escape Mechanism, Problems of adjustment of ex-soldiers.

#### **Unit III**

Leadership–Nature, Function and types, Morale- Nature, Determinants and techniques of boosting morale.

#### **Unit IV**

Psychological warfare.

A. Nature, types and techniques of propaganda.

B. Nature, techniques, merits and demerits of rumor, and its impact on war and society.

C. Brain washing method.

#### **Books Recommended:-**

1. Psychology for the armed services –E.G. Boring
2. Psychology warfare – Lienbarger
3. Human factor engineering – MaoCormich
4. Psychology and the soldier –F.C. Bartlett.

5. Air war and emotional stress – Hennings
6. Frontier of Psychology – J.Mann
7. Thought Reform and Psychology of Totali – B.J. Lifon
8. Coercive Persuasion – E.H.Schein
9. Techniques of Persuasion – J.F.C. Brown.
10. Social Psychology of war and peace – A. May Mark
11. Men Under stress –R.R.Ginkar
12. Psychology for the Armed Forces – Raj Narayan.
13. Military Psychology – Dr. N.P. Tiwari
14. SainyaManovigyan- D.N. Singh
15. SainyaManovigyan- P.K.Gupta

## **Paper-II DSST 302-Research Methodology**

**TIME ALLOWED: 3 HOURS**

**Maximum Marks: 80**

Research Methodology -This introduces the students to various tools and approaches used in social science and the formulation of a research framework.

1. Nature of social science and research.
2. Recent trends in social science research.
3. Descriptive and Historical methods.
4. Scientific approaches.
5. Planning a research project.

### **Books Recommended :-**

1. Samajik Anushandhan –Ram Ahuja.
2. Behaviour Research – Karlingar.
3. Research in Education – Joan W. Beast.
4. Research in Education – lokesh Col.
5. ShikhaaurManovigyan mein anushandhanPaddhati- A.k.Singh



## **Paper-III DSST 303 Role of Science and Technology in National Security**

**TIME ALLOWED: 3 HOURS**

**Maximum Marks: 80**

### **Unit I**

Science, Technology and Society: History and Impact of Major Technological Breakthroughs on Society. Chemical-Biological Science and their Military Utility.

### **Unit II**

Nuclear and Missile Technology and related development. Revolution in Military Affairs (RMA) and India's National Security.

### **Unit III**

Advanced Military Technologies and their Impact on Weapons. Development and Defence Industrialization, International Interdependence and transfer of Defence Technology: Global Trends and Indian Scenario.

### **Unit IV**

Electronic Warfare: Concept and Application, Computerization and Cyber technologies, Aero-Space Technologies, Marine Technology and Ocean Development: Indian Scenario.

### **Books Recommended:-**

1. Conflict and Defence : A General Theory- K.E.Boulding
2. Global Perceptions on Peace Education- Bhaskar Rao
3. A Force More Powerful : A Century of Non-Violent Conflicts- Peter Ackerman & Jack Duvall
4. An Agenda For Peace : Preventive Diplomacy-B. Boutros Ghali
5. Another Way : A Mechanistic View of War andPeace- Adam Curle
6. Struggle for Peace - Johan Galtung
7. Peace by Peaceful Means : Peace and Conflict - Johan Galtung
8. Essays in Peace Research -Johan Galtung
9. A Study of War, Quincy Wright
10. Science, Technology and National Security –ArunPatwari
11. Vigyan Evam Praudyogiki Drishya -Paridrishya – Arunkumar Pathak
12. Vigyan Evam Praudyogiki Ka Vikas – Shilwant Singh
13. Wings of Fire- A.P.J. Abdul Kalam
14. India 2020- A.P.J. Abdul Kalam
15. Mission India- A.P.J. Abdul Kalam

## **Paper-IV DSST 304-International Relations**

**TIME ALLOWED: 3 HOURS**

**Maximum Marks: 80**

### **Unit I**

1. International relation: Meaning, Nature and scope.
2. Main features of Indian Foreign policy (in Brief).
3. India's security policy-National and International.
4. Development of International Relations between India and Super power and Neighboring Country.

### **Unit II**

1. War and politics.
2. War as an Instrument of National policy.

### **Unit III**

1. North South Conflict.
2. Pacific settlement of disputes.
3. collective security system.

### **Unit IV**

1. Impact of science and technology on International relations.
2. Nuclear weapons and their impact on International relations.

### **Books Recommended :-**

1. Making of the foreign policy- J. Frankel
2. Foreign policy of the world- D. Thompson
3. Problem of the International relations-G.Gibbs

4. Politics among Nation- H.J. Morgenthau
5. International Relation-P.D. Sharma
6. International politics in Atomic age- J.H. Herz
7. The Impact of war on International relations since-1945 -Lallanji Singh
8. Theoretical aspects of International politics-Mahendra Kumar
9. Essays in politics and International relations- A. Appadorai
10. Contemporary theories in International relations-Hofman
11. Sustainable development- D.D. Khanna
12. Yudh Meemansa-Dr. A.K. Singh and N.C. Maheshwari
13. International Relations : Perspectives for the Global South- Bhupinder S. Chimni & Siddharth Mallavarapu
14. Bharat kiVideshNiti- R.S.Yadwa
15. Politics and International Relation – J.C. Johari

## **Paper V**

### **Practical and Viva-Voce**

**Maximum Marks: 80**

The students will be assigned with the responsibility to prepare/ conduct Computer-based exercise or Computer experiments on selected topic of contemporary relevance in the field of **National Security** for the following-

1. To prepare Computer graphics.
2. Lecture on the selected topics.
3. Power-Point presentation on the given topic.
4. Viva-Voce.

## Fourth-Semester

### **Paper-I DSST401 South Asia :Conflict Co-Operation Studies**

**TIME ALLOWED: 3 HOURS**

**Maximum Marks: 80**

#### **Unit-I**

1. Geo-Political setting of South Asia.
2. Socio-Cultural and Economic structure of South Asia.
3. Power rivalries in South Asia: USA., USSR., U.K., China during Cold War era.

#### **Unit-II**

1. Internal problems & conflicts in South Asian Region-India, Pakistan, Sri Lanka, Bangladesh, Nepal, Bhutan, Maldives.
2. Afghanistan, Myanmar & China's Strategic importance for South Asia.
3. Regional Co-operation in South Asia under the Aegis of SAARC.

#### **Unit-III**

1. Intra- Regional Trade & Balance of Payment.
2. Prospects of Sub regional Co-operation.

#### **Unit-IV**

1. Role of pressure groups (Religion, Language, Caste, Tribal Groups, Women, Youth, Media) in National Integration.
2. Pattern of Civil-Military Relations in South Asia.

### **Books Recommended :-**

1. Bharat ki Videsh Niti- R.S. Yadwa
2. India and her Neighbours : A Study of Political – S.S. Bindra
3. International Relation – Pushpesh Pant & Sripal Jain
4. South-Asia-the New World Order – B.M. Jain
5. International Politics – P.D. Sharma
6. Indian Nuclear Weapon – Jasjitsingh
7. National Defence and Security- L.J. singh
8. Bharat ke Parosi Rastra aur Suraksha Chunautiyan – A.K. Chaturvedi
9. Dakshin Asia mein Suraksha Chunautiyon ke naye Ayam – V.N.Arora,  
N.Kishor&A.K.Singh
10. India's Foreign Policy – V.P.Dutta

## **Paper-II DSST402 Defence Economics**

**TIME ALLOWED: 3 HOURS**

**Maximum Marks: 80**

### **Unit I**

Defence Economics : Meaning, Definition and scope.

### **Unit II**

1. Economic warfare: Nature, Scope and content
2. Effects of War on National Economy-
  - A. Problems of Inflation
  - B. Problems of Balance of Payments
  - C. Problems of post-war reconstruction

### **Unit III**

1. Assessment of war potential (Resources of war) of a Nation.
2. Mobilization of Resources for war with reference to physical, Fiscal and Moral Mobilization.
3. Issues of Logistics: Resources, Supply chain, Transport and Communication.

### **Unit IV**

1. Budgeting: General Principles and Estimates of revenue and expenditure.
2. Defence Planning, Programming and Budgeting.

### **Books Recommended:-**

1. Economic Mobilization for Defence- A.N.Agrawal
2. Defence Production and Development- R.K.Agrawal
3. Indian Economic – Its Nature and Problems- Alka Ghosh
4. The New Economics Of National Defence- J.J. Clark
5. The Economics of Defence-, Mark O. Hatfield
6. The Economics of Defence in the Nuclear age- G.J. Hitch & Mckeam.
7. Studies in Economic Warfare- D.T. Jack
8. How to play for the War- J.M. Keynes
9. Ways and Means of war –G. Crowther
10. Defence Economics –J.M. Srivastaw
11. Defence Economics – A.K. Singh
12. An Outline Defence Economics –S.P. Pandey
13. Defence Planning, Problem & Prospects – General V.P. Malik



## **Paper-III DSST403 Politics and Security of the Indian Ocean**

**TIME ALLOWED: 3 HOURS**

**Maximum Marks: 80**

### **Unit-I**

1. Indian Ocean region as a concept and reality.
2. Coastal states, hinterland states and island :
  - (i) The Political characteristics of the region .
  - (ii) Demographic survey
  - (iii) The sub region

### **Unit-II**

1. Political, Strategic ,Economic and Military importance of Indian Ocean :
  - a. Ideologies in Indian Ocean
  - b. Economic and strategic interdependence of the region
  - c. Super power vs. Middle Powers and militarization of the region
  - d. Strategic Importance of the region: Military and Economic
2. Sub- regional Perspective :
  - a. Persian gulf
  - b. Red Sea & Horn of Africa
  - c. Eastern and Southern Africa
  - d. South Asia
  - e. Australia and Eastern Approaches

### **Unit-III**

1. Major Sea routes in the region.
2. Interests of External Powers: USA, Russia, China, Japan , Western Europe.
3. Future trends and prospects of security in the region.

### **Unit-IV**

1. Naval bases in the Indian Ocean Area during the Cold War and after.
2. Maritime Strategy of India.
3. Prospects of Cooperation in the Indian Ocean Region.

### **Books Recommended :-**

1. The Influence of Sea power upon History 1660-1783- A.T. Mahan
2. Indian Ocean –A Whirlpool of Unrest- B.Nath Banerjee
3. The Indian Ocean – K.R. Singh
4. Hind Mahasagar- Hari Sharan
5. History of Indian Shipping- R.K.Mukherji
6. Indian Ocean – Tension or Relaxation- Ashok Kumar Singh
7. Politics of the Indian Ocean- K.R.Singh
8. A Maritime History of India- Commander K. Sridharan
9. Bharat kiAntrik Suraksha Samsyayen- Vijendra Singh &DhirendraDwivedi
10. Internal Security, Challenges and Options – Dr. Sri Bhagwan Singh

## **Paper-IV DSST404 Geo-Politics and Military Geography**

**TIME ALLOWED: 3 HOURS**

**Maximum Marks: 80**

### **Unit I**

1. Scope and Importance of Geopolitics.
2. Evolution of Geopolitical Thoughts since 19<sup>th</sup> Century :
  - (a) Sea Power Theory
  - (b) Land Power Theory
  - (c) Rim Land Theory

### **Unit II**

1. Role Of Geography in Military applications.
2. Importance and Scope of Logistics:
  - (a) Resources
  - (b) Industries
  - (c) Supply Chain
  - (d) Transportation and Communication

### **Unit III**

1. Role of Geography in Land warfare.
2. Role of Geography in Sea warfare.
3. Role of Geography in Air warfare.

### **Unit IV**

1. Weather Conditions of sea as factors in amphibious and airborne warfare.
2. Military Geography of India, Defence Problems:
  - (a) India's Boundaries, terrain in border areas, weather and commoditization.
  - (b) Population in border areas and its implication to border security.

### **Books Recommended :-**

1. Himalayan Kingdoms: P. Karant and M. Jenkins
2. Himalayan Border Land: Ram Rahul
3. Sikkim and Bhutan: Cloude & White
4. Security in south Asia: S.P. Choen
5. National Defence: Prof. Harvir Sharma
6. National Defence & Security: Prof. Lallanji Singh
7. Dust for an International order with Indian Ocean: Prof. K.P. Mishra
8. Indian Ocean and Regional security: Lt. Col. B. Singh
9. Indian Ocean Conflict and Regional Cooperation: A. Majeed
10. Politics of the Indian Ocean: K.R. Singh

**Paper V Dissertation and Viva Voce****Maximum Marks: 80**

The topic would be decided by the candidate in consultation with respective supervisors within a broad framework of the research methodology, discipline with particular reference to National security, International Relations, Area studies and International security.