

Allahabad State University
Defence & Strategic Studies Syllabus

B.A./B.Sc. Defence & Strategic Studies

For B.A./B.Sc. I & II there will be two papers of 75 marks each plus Practical of 50 marks.

i.e. $2 \times 75 = 150 + 50 = 200$ marks

For B.A./B.Sc. III, there will be three papers of 75 marks each plus Practical of 75 marks

i.e. $3 \times 75 = 225 + 75 = 300$ marks

SUMMARY OF PAPERS

B.A. B.Sc. -Part I

Paper I

Art of war in India (upto 1947)

Paper II

Evolution of Armament and Western Art of Warfare

Practical

Map Reading

B.A. B.Sc. -Part II

Paper I

Art of war in India (after 1947)

Paper II

National Security

Practical

TEWT

B.A./B.Sc. Part -III

Paper I

Evolution of Strategic Thought

Paper I

Military Psychology

Paper III

Study of War

Practical

(Signature)
Rajkumar Singh
(21/1/2020)

(Signature)
U Singh
(Upendra Kumar Singh)
H.A.G.

(Signature)
Samyukta

(Signature)
Rajwant Singh
(Dr. Rajwant Singh)

(Signature)
Rajwant Singh

Unit – I Ancient India

MM.-75

- 1- Scope and importance of Defence Studies
- 2- Military System in Vedic and Epic Age
- 3- Battle of Jhelam 326 BC
- 4- Kautilya's Philosophy of War

Unit –II Late Ancient Period

- 1- Decline of Charoits and rise of cavalry
- 2- Rajput Military System
- 3- Battle of Terrain 1192

Unit-III Medieval India

- 1- Invasion of Turks-Battle of Somnath
- 2- Mughal Military System – Mansabdari System, Battle of Panipat 1526 AD, Battle of Khanwa
- 3- Maratha Military System – Guerilla Concept, Third Battle of Panipat 1761.
- 4- Sikh Military System – Battle of Soberaon (1846)

Unit IV

- 1- Armed forces under East India Company
- 2- First War of Independence 1857
- 3- Armed Forces Under the crown
- 4- Presidency Armies and Indianization of Armed Forces

Books Recommendation

- 1- Singh S.D. Ancient India war fare with special reference to vedic period
- 2- Singh Ashok Kuma – Bharat Ka Sainya Ithihas
- 3- Fular JFC – Generalship of Alexander the Great
- 4- Knogle, RP – Kautilya's Arthashashtra
- 5- Sarkar Jadunath – Military History of India
- 6- Irvin – Bhartiya Muglaon Ki Sainya Vyavastha (translated)
- 7- Sen S.N.-Military System of Maratha
- 8- Durf Gram – Marathon Ka Itihas
- 9- Bajwa FS – Military System of Sikh
- 10- Tripathi R.P. – Rise and fall of the mugal
- 11- Gupta NR – Marathas and Panipat
- 12- Sharma YK – Military Science Part I
- 13- Pandey and Chaubey – Sainya Adhyan
- 14- Tewari, NP Bhartiya Sainya Itihaas (Sharda Prakashan Alld.)
- 15- Singh Ashok Kumar Bhartiya Yudh Kala Vedic Kal Se 1947 Tak
- 16- Singh. Lallan Ji – Bhartiya Sainya Itihaas aur Yudh Je Siddham
- 17- Mishra Rajendra Prasad – Bhartiya Sainya Padhato : (Sharda Prakashan Alld.)



B.A./B.Sc. Part I

Allahabad State University

Paper – II Evolution of Armament and Western Art of Warfare

Unit-I Age of Valour and Chivalry

MM.-75

- 1- Organization and art of war of Greek phalanx and Roman legion with special reference of Battle of Arbela & Canne
- 2- Emergence of armour and armoured knights.

Unit – II Age of Gun power and Steam

- 1- Contribution of Gustavas Adolphus Fedric and Napoleon
- 2- Development of Naval Power
- 3- Nation-in-arm

Unit – III Age of Oil and Atomic Energy

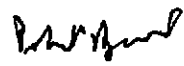
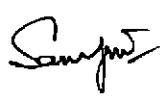
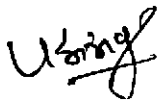
- 1- Technological innovations and their effect on war
- 2- New devices of world war – I and II

Unit- IV Cyber Warfare

- 1- RMA (Revolution in Military Affairs)
- 2- Contribution of Information Technology in Modern Warfare
- 3- Key Concept of Cyber Security

Book Recommendation

- 1- Fuller, J.F.C. Armament and History
- 2- Tandon, B.K. Pashchaty a Yodhan Sambhar
- 3- Tewari, N.P. Yodhan Sambhar
- 4- Verma M.P. Yodhan Sambhar
- 5- Singh Ashok Kumar Vishva Ka Sainya Itihas
- 6- Arther Brinie Art of War
- 7- A.P.J. Abdul Kalam – Mere Sapno Ka Bharat
- 8- Fuller The American Civil War
- 9- “Nuclear Weapons” A book published by UNO
- 10- Martin Van Preveld Technology & War
- 11- Singh Ashok Kumar “Bhartiya Senao Ka Sanghthan Aur Swaroop”



B.A./B.Sc. Part I
Allahabad State University
Practical
Map Reading

MM.-50

- 1- Introduction of topographical sheet
- 2- Conventional signs – geographical and military
- 3- Finding out north by different methods
- 4- Grid System – Four figure and six figure map reference
- 5- Scale – simple and comparative scale, construction and interconversion
- 6- Liquid prismatic compass – uses by day and night
- 7- Bearing – interconversion and use of service protractor
- 8- Determination of position on a gridded map, resection and intersection
- 9- Determination of visibility in survey maps of hilly region by gradient proportion and section drawing method.

Book Recommendation

- 1- Verma MP – Saninik manchitra Vigyan
- 2- Sharma YK – Map reading
- 3- Singh Balwant – An easy approach to map reading
- 4- Gale and Porden - A Complete guide to military map reading
- 5- Srivastava, JM Practical military science part – I
- 6- Maliwal, BN- Military science practical
- 7- Mishra RP Prayogatamak – Sainya Vigyan, Part - I
- 8- Singh Balwant Singh Ashok Kumar, Manchitra Adhyaan Ke Saral Vidhi



B.A./B.Sc. Part II

Allahabad State University

Paper – I Art of War in India (after 1947)

MM.-75

Unit-I Partition of India

- (a) Indianization
- (b) Genesis and prospects of Kashmir dispute (1948)
- (c) Integration of India

Unit-II Sino-Indian War 1962

- (a) Border dispute
- (b) Military operations in brief
- (c) Politico military lessons

Unit-III Indo-Pak war 1965 and 1971

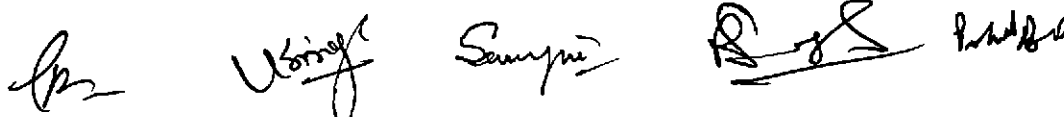
- (a) Background and causes of Indo-Pak war 1965.
- (b) Military operations on Western Fronts, Politico military lessons
- (c) Genesis and causes of Indo-Pak war 1971
- (d) Military operation in Eastern front and emergence of Bangla Desh
- (e) Politico military lessons

Unit-IV Kargil conflict 1999

- (a) Causes
- (b) Military operation, Role of IAF
- (c) Lessons
- (d) Kargil Conflict review committee and recommendations

Books Recommended

1. Singh Bhopinder – Indo – Pak conflict on Kashmir
2. Chopra, MK – India – the search for power
3. Choen, SP – The Indian Army
4. Cohen, SP – The Pakistan Army
5. Dalvi, JP – Himalyan Blunder
6. Sinha, S – The Chinese aggression
7. Murti, TS – India – China Boundary : India's option.
8. Maxwells – India's china war of 1962
9. Gupta, Sisir – Kashmir
10. Singh, Nagendra – The theory of force and organization of defence.
11. Mankekar, DR – 22 Faithful days
12. Singh harbaksh – Indo – Pak conflict 1965
13. Palit DK – War in detergent age
14. Singh, S – Liberation of Bangladesh
15. Kavie. LJ – India's quest for security.
16. Saigal, JR – Unfought war of 1962
17. Subramanyam, K – India's security and Bangladesh
18. Singh, Jasjeet – KARGIL 1999
19. Singh Ashok Kumar Bharat Ka Saniya [thihas] Yudh Ke Sidhant Ttha Yudh Aur Shanti Ke Samsyai



B.A/B.Sc. II

Allahabad State University

PAPER-II

National Security

Unit –I: National Security and National Power

MM.-75

1. Concept of National Security with reference to the contemporary thinking
2. Power theories
 - (a) The imprecision of power as a concept
 - (b) Attempt to operationalize the definition of power
 - (c) The Power profile of Nation states
 - (d) The tangible elements of power: Geography – Population, territory, natural resources and industrial capacity, agricultural capacity and military strength and credibility
 - (e) Intangible Elements of Power: Leadership – Bureaucratic Organizationla efficiency, type of government, social cohesiveness, reputation, foreign support and defence, accidents

Unit – II Alternative Models of International Security

- (a) Balance of Power
- (b) Collective Security
- (c) Collective Defence
- (d) Non-Alignment

Unit – III Deterrence and Disarmament

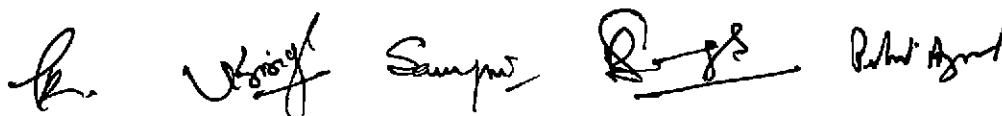
1. Strategy of Deterrence: Concept and practice in conventional and nuclear context
2. Arms proliferation as a constraint in national, regional and international security, prospects for arms control

Unit – IV: Terrorism, Insurgency, and India's Foreign and Defence Relations

1. International Terrorism: Concept and dimensions
2. Insurgency and Counter – Insurgency – Concept and dimensions
3. Linkages between foreign and defence policies and the domestic developments
4. India's relations with its neighbours
5. India's Nuclear Policy

Books Recommended

1. Chudhary, JN – India's problem of National security in 1970
2. Chatterji, PN – India's land borders problems and challenges
3. Kevic, LJ – India's quest for securities
4. Singh Ashok Kumar 21ve Sadi Me Bharat Ka Suraksha Darshan
5. Bajpai, SC – Northern frontier of India
6. Khara, SS – India's defence problems
7. Singh Ashok Kumar – Disarmament Evam World Peace
8. Pannikar, KM - Problems of India's defence
9. Subramanyam, K – Defence and development
10. Rao, VKRV – War in Indian economy
11. Mahajan, VD – International security
12. Quincy, wreight – A study of war
13. Srivastava, JM – Rashtriya Suraksha
14. Singh Ashok Kumar – Rashtriya Suraksha Ke Badalte Ayam
15. Singh Ashok Kumar- Rashtriya Raksha Evam Surakhsa
16. Singh, Lallan Ji – Rashtriya raksha ke aayam
17. Hartnam – The relations of nations



18. Martin. W – Power politics
19. Singh Ashok Kumar राष्ट्रीय रक्षा एवं सुरक्षा
20. Mishra. S.K. –Rashtriya Raksha evam pratiksha
21. Pandey. RS Rashtriya Suraksha evam Antarrashtriya Sambandh
22. Singh. S.B. & Pandey – Bharat ki suraksha samasyaen
23. Sengar. SKS – Security Sensitivity of Himalyas
24. राष्ट्रीय रक्षा एवं सुरक्षा

B.A./B.Sc. Part – II

Allahabad State University

Practical

Tactical Exercise without Troops TEWT

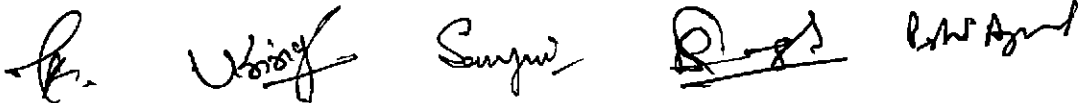
MM.-50

1. Outline organization of Infantry Battalion.
2. Organization, weapons and equipment at platoon level.
3. Elementary knowledge of modern tactics; field craft-
 - (a) Study and description of ground.
 - (b) Judging distance
 - (c) Indication of target
 - (d) Fire control order
 - (e) Section formation, Platoon Formation
4. Verbal order at Platoon level
5. Patrolling
 - (1) General (2) Preparation (3) Conduct and (4) de-briefing
6. Message writing
7. Appreciation of the sand model on the following :
 - (A) ATTACK (B) DEFENCE

The narrative will be at platoon level and students would be required to attempt the exercise at section and platoon level.

Books Recommended

1. Kresey – Simple tactics.
2. Ward, GR – section training exercise
3. Valentine – Sand model exercise
4. Gambel Lt. Col. – simplified tactical instructions
5. Barlew – small arms manual
6. Liddelhart – elements of tactics
7. Sharma and Nigam – samantantra abhays
8. Mishra R.P. – Prayogatmak sainya vigyan, Part III



Unit-I Upto World War I

MM.-75

- (a) Sun Tzu – Thought on war
- (b) Machiavelli – Renaissance of Art of war
- (c) Jomini – Strategy, Tactics & Logistics
- (d) Clausewitz – war and politics

Unit-II Between two wars

- (a) Karl Marx – Industrial Society
- (b) Lenin – Proletarianism
- (c) Douhet – Theory of air power
- (d) A.T. Mahan – Sea Power
- (e) Liddle Hart – Mechanized Warfare

Unit-III After world war II

- (a) Mao Tse Tung – Revolutionary warfare
- (b) Che Guevara – Guerilla warfare

Unit-IV Modern Theories

- (a) Theory of Deterrence
- (b) Disarmament and arms Control – Concept, utility & Possibilities

Books Recommended:

1. Earic, EM – makers of modern strategy
2. Beaufre Andre – Strategy of action
3. Bridie, B – Strategy in the missile age
4. Bridie, B – A guide to naval strategy
5. Clausewitz – on war
6. Tung and Guevara – Guerilla war fare
7. Fullar, JFC – The conduct of war
8. Fullar, JFC – Armoured war fare
9. Gilbert, G – The evolution of strategy
10. Kissinger, HA – Problems of national strategy
11. Hoverd, M – Theory and practice of war
12. Kittle, JD – Jomini & his summary of art of war
13. Sharma & Nigam – Sainya Vicharak
14. Johari, RC – Paschatya Sainya Vicharak
15. Singh, Lallan ji – Sainya Chintak
16. Srivastava J.M. – Sainya Chintan
17. Adhikari, Shekhar – Aadhunik Stratgic Chintan
18. Singh, R.K. – Vishwa ke Pramukh Stragetik Chintak
19. Singh A.K. Adhunik Strategic Vichardhara
20. Pandey R.S. Evaluation of Strategic Thoughts.

Unit I: Development of Military Psychology

- (a) Concept
- (b) Utility
- (c) Scope

Unit II: Individual Factors in armed Forces

- (a) Personnel selection
- (b) Intelligence
- (c) Personality

Unit III: Group Dynamics in Military life

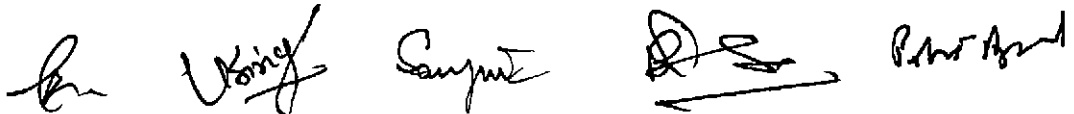
- (a) Structure, Types and functions
- (b) Leadership – nature, function, types
- (c) Morale – Nature, determinants

Unit IV: Psychological warfare

- (a) Concept types
- (b) Propaganda, Rumour
- (c) Coersive persuasion
- (d) Brain washing- Methods

Books Recommended:

1. Barlett, Fc –Psychology and the soldier
2. Boring, EG – Pyschology for the armed forces
3. Lien, Barger – Psychology war fare
4. Naryan Raj – Military psychology
5. Barar, Lien- psychology of war fare
6. Mark, A. Hay – Social psychology of war and peace
7. Morgan and King – Introduction to psychology
8. Jain, Mrs. Pushpa – Introduction to psychology
9. Parik – Sainik manovigyan
10. Tiwari, NP – Sainya manovigyan
11. Gupta, Parashmaram – Sainya manovigyan
12. Copeland, N. Psychology and Soldier



Unit -I: War

- 1- Concept and Definition of War
- 2- Types of War : Total, Limited, Revolutionary
- 3- War as an instrument of National Policy
- 4- Principles of War

Unit - II: Strategy

- (a) Definition and scope
- (b) Types; Grand Strategy, Geo-strategy
- (c) Strategy of exhaustion and annihilation

Unit - III: Tactics and Art of War

- (a) Concept of tactics; functions
- (b) Constant tactical factor (CTF)
- (c) Meaning and utility of art of war
- (d) Fusion of strategy and tactics

Unit - IV: Causes and Forms of war

- (a) Causes of war- Political, Social, Economic, Military
- (b) Cold war – Concept, Evolution
- (c) Economics of War – Economic Causes of War, Mobilization of Resources for Defence
- (d) Elementary treatment of total war, limited war, nuclear war, low intensity conflicts (LIC)

BOOKS RECOMMENDED:

1. Beufre, A – Introduction to Strategy
2. Palit, D.K.- Essential of Military Knowledge
3. Burne, A – Art of War on Land
4. Shyam Lal & Mukherjee – Art of War on Land
5. Hamle – Operation of war
6. Worley – New Development in Weapon, Tactics and organization
7. Bimie, Arther – Art of War
8. Maliwa, B.N. – Ishtal Yudh Kala
9. Tandon, B.K. – Yudh Kala
10. Wright, Quincy – A Study of war
11. Singh Ashok Kumar - Yudh Ka Adhyaan
12. Singh Ashok Kumar - Yudh Memasha
13. Singh Ashok Kumar - Raksha Arthashastra Ke Ayam
14. Singh, Jodh – Art of war
15. Madicatt W,N. – The Economic Warfare
16. Merrill & Cartea – Mobilization and the National Defence
17. Scitovsky, Shaw, - Mobilizing Resources for war
18. Pandey R.S. Yudh aur Shanti ke Mool Tatv.

B.Sc. Part - III

Practical

M.M 75

- A. Strategic/Defence Journalism (news paper clipping on relevant defence topics and a short essay of 25 pages in the basis of clippings) be produced
B. Sand model exercise on rescue operations

Or

- Tour report pertaining to different defence establishment and geo strategic areas of Importance
C. Lecture and group discussion on current defence topics.
D. Viva

R.K.
(Raj Kumar Ray)
संयोजक

U. Singh
(Upendra Kumar Singh)
HGTU

Sanjay
(Prof. Sanjeev
Bhadani)

R.S.
(Dr. Rajwant Singh)

Rohit