

CHHATRAPATI SHAHU JI MAHARAJ UNIVERSITY KANPUR
REVISED UNDER- GRADUATE CURRICULUM
DEFENCE AND STRATEGIC STUDIES
2018

The entire curriculum is to be divided into four units and each question paper will have:

1. First question – compulsory- Comprising of TEN Short Answer Questions (1 to X) covering the entire curriculum. This question will carry 40% marks of the total marks.
2. The rest of the question paper will be divided into Four Units, comprising of two questions in each unit. Therefore, the total number of question in each paper shall be NINE.
3. Student will have to attempt one question from each unit.
4. All these (Four) questions will be of equal marks and will carry 60% marks of the total marks.
5. The minimum passing marks in each paper shall be 33% of the total marks. The candidate has to pass theory and practical separately. Total passing percentage (aggregate) to obtain the degree shall be 36%.
6. In the part I and II, there shall be two theory papers and one practical. Maximum marks shall be 35/50 for B.A. and B.Sc. respectively. For practical, it shall be 30/50 marks for BA and B.Sc. respectively.
7. There shall be three theory papers and one practical maximum marks shall be paper I- 35, Paper II-35, and Paper III-30 for B.A. III and Three theory papers and one practical maximum marks shall be 50 each papers for B.Sc. III. For Practical, it shall be 50/75 marks for B.A. and B.Sc. respectively.

12-6-2018

I.S. Chahal
3/2/18

G. Prasad

D. J. Singh

DEFENCE AND STRATEGIC STUDIES

B.A. / B.Sc.

PART-I

1. Art of war in India
2. Evolution of Armament and Western Art of Warfare
3. Practical- Map Reading

PART-II

1. Art of war in India 1947 to upto date
2. National Security
3. Practical - TEWT

PART-III

1. Evolution of Strategic Thought
2. Military Psychology
3. Study of War
4. Practical

20.06.2018

J. S. Chale
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GRU/MIA

B.A./B.Sc.

PART-I

Paper-I Art of War in India upto 1947

M.M.: 35/50

Unit-I Early Ancient India

- (a) Military system in Vedic and Epic period.
- (b) Indo-Greek art of war - Battle of Hydaspes 326 BC
- (c) Kautilya's Philosophy of War - organization and art of war
- (d) Decline of chariots and rise of cavalry

Unit-II Later Ancient Period

- (a) Rajput Military system
- (b) Invasion of Turks - Battle of Somnath 1025
- (c) Battle of Terrain 1191
- (d) Battle of Terrain 1192

Unit-III Medieval India

- a) Mughal Military systems - First Battle of Panipat 1526.
- b) Battle of Khanwa-1527
- c) Maratha Military System - Guerilla Concept, Third Battle of Panipat 1761
- d) Sikh Military system - Battle of Soberaon 1846

Unit-IV Modern India

- (a) Armed forces under East India Company and Presidency Armies
- (b) Battle of Plassey 1757
- (c) First war of Independence 1857
- (d) Armed forces under the crown, Indianization of Armed Forces

Sanjay Singh
12.6.2018

Dr. S. Chakrabarti

Dr. S. Chakrabarti

Dr. S. Chakrabarti

Dr. S. Chakrabarti

Dr. S. Chakrabarti

BOOKS RECOMMENDED

1. Singh, Lallan Ji : Bhartiya Sainya Itihaas aur Yudh Ke Siddhant
2. Singh, Asok Kumar : Bhartiya Yuddh Kala (Vedic Kal Se 1947 Tak)
3. Tewari, N. P. : Bhartiya Sainya Itihaas (Sharda Prakashan Alld.)
4. Singh, Tandon, Agarwal : Bhartiya Yuddha Kala.
5. Singh Birpal : Bhartiya Yuddha Kala :Vedic Kal se 1947 tak.
6. Majumdar, B.K. : Military system in ancient India.
7. Majumdar, B.K. : Bhartiya sena ka itihis
8. Fular J.F.C. : Generalship of Alexander the Great
9. Kongle, R.P. : Kautilaya's Arthashashtra
10. Sarkar Jadunath : Military history of India
11. Irvin : Bhartiya mughlon ki sainya vyavastha (translated)
12. Sen, S. N. : Military system of maratha
13. Sharma, Y. K. : Military science part 1

मिनिस्ट्र
72.6.2018

J.S. Chahal

31/6/2018

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10/7/2018

10/7/2018

PART-I

Paper-II Evolution of Armament and Western Art of Warfare

M.M.: 35/50

Unit-I Age of Valour and Chivalry

- (a) Organization and art of war of Greek phalanx and Roman legion
- (b) Emergence of armour and armoured knights.

Unit-II Age of Gun powder and Steam

- (a) Tactical Reforms of Gustavas Adolphus
- (b) Development of naval power
- (c) Nation-in-arm

Unit-III Age of Oil and Atomic Energy

- (a) Technological innovations and their effect on war
- (b) New devices of world war-I and II
- (b) Effect of atom on war

Unit-IV Cyber warfare

- (a) Necessity of computer
- (b) Their use in war

BOOKS RECOMMENDED

1. Tewari, N.P. : Yodhan Sambhar
2. Singh, Lallan Ji : Yodhan Sambhar evam Vishva Shanti
3. Fuller, J.F.C. : Armament and History
4. Tandon, B.K. : Pashchaty a Yodhan Sambhar.
5. Verma M.P. : Yodhan Sambhar
6. Arther, Birnie : Art of War
7. Kalam A.P.J. Abdul : Mere Sapno ka Bharat
8. Fuller, J.F.C. : The American Civil War
9. UNO Publication : "Nuclear Weapon"
10. Martin, Van : Preveld Technology & War

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B.A./B.Sc.-I
Practical (Map Reading)

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 grided map, resection and intersection
9. Determination of visibility on survey maps of hilly region by gradient proportion and section drawing method.

BOOKS RECOMMENDED

1. Tiwari, N.P. : Manchitra Addhyayan
2. Verma, M.P. : Sainik manchitra vigyan
3. Sharma, Y.K. : Map reading
4. Singh, Balwant : An easy approach to map reading
5. Gale and Porden : A complete guide to military map reading
6. Srivastava, J.M. : Practical military science part 1
7. Maliwal, B.N. : Military science practical

सुनील कुमार

J.S. Chahal

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July

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B.A./B.Sc.-I
PRACTICAL MARKING SCHEME

SHALL BE AS FOLLOWS:

	B.A.	B.Sc.
Written	20	35
Viva voice	05	08
Record	05	07
TOTAL	30	50

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B.A./B.Sc.

PART-II

Paper-I Art of War in India 1947 to date

M.M.: 35/50

Unit-I Partition of India

- (a) Status of Armed forces
- (b) Genesis and prospects of Kashmir dispute
- (c) Military operation in Kashmir 1947-48
- (d) Politico Military lesson

Unit-II Sino-Indian Relations

- (a) Border Disputes : Background & Causes
- (b) Military operations in Sino-Indian War 1962
- (c) Politico military lessons
- (d) Doklam Dispute

Unit-III Indo-Pak war 1965 and 1971

- (a) Background and causes of Indo-Pak War 1965
- (b) Indo Pak war 1965, 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) Background and Causes
- (b) Military operation, Role of IAF
- (c) Politico Military Lessons
- (d) Indo-Pak Relations in present senerio.

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BOOKS RECOMMENDED

1. Singh, Ashok Kumar : Bharat Ka Sainya Itihas
2. Singh, Lallan Ji : Bhartiya Yuddh Kala 1947 se ab tak.
3. Singh, Tandon, Agrawal : Swarntra Bharat Ki Yuddh Kala
4. Singh Birpal : Bhartiya Yuddhkala 1947 se aaj tak
5. Murti, T.S. : India - China boundary: India's option
6. Maxwells : India's china war of 1962.
7. Singh harbaksh : Indo - Pak conflict 1965
8. Singh, S. : Liberation of Bangladesh
9. Saigal, J.R. : Unfought war of 1962
10. Subramanyam, K. : India's security and Bangladesh
11. Singh, Jasjeet : KARGIL 1999

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Part-II

Paper - II National Security

M.M.: 35/50

Unit-I Introduction and Determinants of security

- (a) Meaning & Theories of National Power
- (b) Power Profile of Nation State, Elements of National Power
- (c) Determinants of security- Conceptual framework
- (d) Territorial integrity and sovereignty, Threats from immediate neighbours
- (e) Insurgency, counter insurgency: Concept & dimensions

Unit-II International Security

- (a) Viable Trends: Co-relation between foreign, defence, regional, domestic policies
- (b) Cold war and Post cold war
- (c) Collective security, Balance of power
- (d) International Terrorism
- (e) Global Power Interest in Indian Ocean and India's Maritime Security and Options

Unit-III Geo-strategic and Geo-Political Consideration

- (a) Role of Pakistan
- (b) Role of China
- (c) Options for India

Unit-IV India's capabilities to meet security threat

- (a) Status of science and technology, DRDO
- (b) Need for nuclear power

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BOOKS RECOMMENDED

1. Singh Lallan Ji : Rashtriya Raksha Aur Suraksha
2. Singh Lallan Ji : Rashtriya Suraksha Ke Ayam
3. Singh, Ashok Kumar : Rastriya Suraksha
4. Singh, Ashok Kumar : Rastriya Suraksha Ke Badalte Ayam
5. Pandey, R.S. : Rashtriya Suraksha evam Antarrashtriya Sambandh
6. Mishra, S.K. : Rashtriya Raksha evam Pratiraksha
7. Singh, S.B. and Pandey : Bharat ki Suraksha Samasyaen
8. Sengar, S.K.S. : Security Sensitivity of Himalyas
9. Singh, R.K. : Rashtriya Suraksha
10. Singh, Birpal : Rashtriya Raksha evam Suraksha
11. Singh, Birpal : Rashtriya Suraksha ki Avdharna
12. Chaudhary, J.N. : India's problem of national security in 1970
13. Chatterjee, P.N. : India's land borders problems and challenges
14. Pannikar, K.M. : Problems of India's defence
15. Subhramanyam, K. : Defence and development
16. Quincy, Wright : A study of war
17. Srivastava, J.M. : Rashtriya Suraksha

Vishwanath

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B.A./B.Sc. II

PRACTICAL (TACTICAL EXERCISE WITHOUT TROOPS)

M.M.: 35/50

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 on 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. Liddellhart - elements of tactics
7. Sharma and Nigam - samartantra abhyas

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B.A./B.Sc. II
PRACTICAL MARKING SCHEME

SHALL BE AS FOLLOWS:

	B.A.	B.Sc.
Written	20	35
Viva voice	05	08
Record	05	07
TOTAL	30	50

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B.A./B.Sc.

PART III

Paper-I Evolution of Strategic Thought

M.M.: 35/50

Unit-I Upto World War I

- (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) Carl 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 Guevera - Guerilla warfare

Unit-IV Modern Theories

- (a) Theory of Deterrence
- (b) Disarmament and arms control – Concept, utility & Possibilities
- (c) Conflict Resolution : Peace making, peacekeeping and peace building.

M. S. Chahal

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J.S. Chahal

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BOOKS RECOMMENDED

1. Singh, Lallan ji : Sainya Chintak
2. Singh, Ashok Kumar : Adhunik Strategic Vichardhara evam Rastriya Surksha.
3. Singh, Ashok Kumar : Strategic Vichardhara
4. Pandey, R.S. : Strategic Vichardhara
5. Singh, R.K. : Vishwa Ke Pramukh Stragetic Chintak
6. Adhikari, Shekhar : Aadhunik Stratgic Chintan
7. Srivastava J.M. : Sainya Chintan
8. Earle, E.M. : Makers of modern strategy
9. Beaufre Andre : Strategy of action
10. Bridie, B. : Strategy in the missile age
11. Bridie, B. : A guide to naval strategy
12. Clausewitz : On war
13. Tung and Guevera : Guerilla war fare
14. Fullar, J.F.C. : The conduct of war
15. Fullar, J.F.C. : Armoured war fare
16. Gilbert, G. : The evolution of strategy
17. Kissinger, H.A. : Problems of national strategy
18. Hoverd, M. : Theory and practice of war
19. Kittle, J.D. : Jomini & his summary of art of war
20. Sharma and Nigam : Sainya Vicharak
21. Johari, R.C. : Pashchatya Sainya Vicharak

J.S. Chahal

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Part-III

Paper-II Military Psychology

M.M.: 35/50

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

12-6-2018
J.S. Chahal

3/6/18

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BOOKS RECOMMENDED

1. Tiwari, N.P. : Sainya manovigyan
2. Barlett, F.C. : Psychology and the soldier
3. Boring, E.G. : Psychology for the armed forces
4. Lien, Barger : Psychological warfare
5. Narayan Raj : Military psychology
6. Barar, Lien : Psychological of warfare
7. Mark, A. Hay : Social psychology of war and peace
8. Morgan and King : Introduction to psychology
9. Jain, Mrs. Pushpa : Introduction to psychology
10. Parik : Sainik manovigyan
11. Gupta, Parashuram : Sainya manovigyan
12. Copeland, N. : Psychology and Solider

12.6.2018
J.S. Chahal
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PART-III

Paper-III Study of War

M.M.: 30/50

Unit-I War

- (a) Definition
- (b) Evolution
- (c) Types: conventional and non-conventional
- (d) 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) Meaning of tactics; function
- (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) Psychological war - methods and impact
- (d) Elementary treatment of total war, limited war, nuclear war, low intensity conflicts (LIC)

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12.6.2018
J.S. Chandel

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Pranmat

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BOOKS RECOMMENDED

1. Singh, Ashok Kumar : Yuddh Kala Evam Surksha
2. Singh, Ashok Kumar : Yuddh Ke Siddhant Thatha Yuddh Evam Shanti Ki Samasyaye
3. Katiyar D.C. : Yuddha Ki sam saamayik Samasyaen.
4. Pandey, R.S. : Yudh evam shanti ke mool tatva
5. Birpal : Yuddha evam shanti ki samkalin samasyaen.
6. Beufre, A. : Introduction to Strategy
7. Palit, D.K. : Essential of Military Knowledge
8. Burne, A : Art of War on Land
9. Shyam Lal & Mukherjee: Art of War on Land
10. Hamle : Operation of war
11. Birnie, Arther : Art of War
12. Maliwal, B.N. : Sthal Yudhkala
13. Tandon, B.K. : Yudhkala
14. Wright, Quincy : A Study of war
15. Singh, Jodh : Art of war

12-6-2018
J.S. Chandel
OPREMAT

B.A./B.Sc. III
PRACTICAL (JOURNALISM AND RESCUE)

M.M.: 50/75

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

OR

- (C) Tour report pertaining to different defence establishment and geo strategic areas of importance
- (D) Lecturette and group discussion on current defence topics.
- (E) Lab record and viva - voice

B.A./B.Sc. III
PRACTICAL MARKING SCHEME
SHALL BE AS FOLLOWS:

S.No.	BA	B.Sc.
A.	10	15
B.	15	20
C.	15	25
E.	10(5+5)	15(10+5)
TOTAL	50	75

12.6.2012

अबु जफार खान

J.S. Charlot

Pranav

Shreyas