



# JIWAJI UNIVERSITY, GWALIOR (M. P.)

## (Post Graduate Semester Wise Syllabus)

For Year 2020-21 to 2022-23

2023-24 to 2024-25  
M.A. / M.Sc.

Subject : Defence and Strategic Studies

### First Semester -

1. Evolution of Strategic thoughts (Part - A)
  2. History of warfare in the West from 1861 - 1945 (Part - A)
  3. Disarmament, Arms control and Peace (Part - A)
  4. Science and Technology in war (Part - A)
- Practical

### Second Semester -

1. Evolution of Strategic thoughts (Part - B)
  2. History of warfare in the West from 1861 - 1945 (Part - B)
  3. Disarmament, Arms control and Peace (Part - B)
  4. Science and technology in war (Part - B)
- Practical

### Third Semester -

1. National security (Part - A)
  2. War in International Relation (Part - A)
  3. Military Psychology (Part - A)
  4. Military History of India (Part - A)
- Practical

### Fourth Semester -

1. National security (Part - B)
  2. War in International Relation (Part - B)
  3. Military Psychology (Part - B)
  4. Military History of India (Part - B)
- Practical

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Director of Health, Health, Education and Welfare

### Board of Studies

- |                         |                          |
|-------------------------|--------------------------|
| 1. Dr. G. L. Bellamy    | 2. Dr. Margaretta Hunter |
| 3. Dr. Robert Hunter    | 4. Dr. G. B. Hunt        |
| 5. Dr. Elizabeth Hunter | 6. Dr. Margaretta Hunter |
| 7. Dr. Robert Hunter    | 8. Dr. Margaretta Hunter |

# JIWAJI UNIVERSITY, GWALIOR (M. P.)

## Post Graduate Semester Wise Syllabus - 2020-21 to 2022-23

2023-24 to 2024-25

M.A./M.Sc. First Semester

Defence and Strategic Studies

Paper-I - Evolution of Strategic Thoughts (Part-A)

### Unit-1 Strategic Concept

*Kautilya's philosophy of war*

1. Introduction : Approaches to the Study of Strategy and its Elements.  
Early Concept of Modern strategy.
2. The renaissance of the Art of War
3. Machiavelli : Concepts and the Role of Army and Militia (MILITIA) Thoughts on War

### Unit-2 Tactical Thoughts

1. Gustavous Adolphus : Military Contributions.
2. Fredrick of Great : Strategy of War : Mobile Artillery, Operational Planning.
3. S. Vauban : Science of fortification, siegecraft and the concept to attack by Parallel's fortification.

### Unit-3 Napoleon and his Interpreters

1. Napoleon Bonaparte : Contribution to the Art of War
2. C. Clausewitz : Concept of absolute War
3. A. Jomini : Strategy and Principle's of War

### Unit-4 Concept of Modera War

1. H. K. Moltke : Modern War Strategy
2. A. Du Picq : Thoughts on Military Renaissance
3. F. Foch : Principles of War

### Unit-5 Economic concept

1. Adam Smith : Economic Influence in National power
2. Alexander Hemilton : Economic foundation of Military power
3. Fredric List : Economic Relation with Military

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**Recommended Books :**

Arthur Binni : Art of War

A. H. Jomini : Mopoleonic War

A. T. Mohan : Moral stalyic

Carl ion Clausewiz : On War, London 1968

Das Shiva Tosh : Studies in Defence Strategy, New Delhi, Sagar Publi. 1978

E. M. Earl : Makers of Modern Strategy 1943

Gilbert : Evolution of Strategy

H. V. Mollke : Mision type tactics an

J. F. C. Fuller : Tank Warfare

J.F. C. Fuller : Armament in History

Mao Zedong : On Guerrilla Warfare

Paret Peter (ed) Makes of Modern stratry : Machiavelli to Nuclear age, Oxford, 1986

Suntzu : The Art of War

Nicolomachiavelli : The Art of War

डॉ. लल्लनजी सिंह : स्त्रातेजिक विचारों का इतिहास, आधुनिक सैन्य चिंतक (विचारधारा), प्रकाश बुक डिपो, बरेली 2009

डॉ. अशोक कुमार सिंह : आधुनिक स्त्रोतोंजिक विचारधाराएँ, प्रकाश बुक डिपो, बरेली

श्रीमती पुष्पा जैन : सम्पूर्ण सैन्य विज्ञान, भाग 1 एवं भाग 2, विश्वविद्यालय प्रकाशन, ग्वालियर

बाबूराम पाण्डेय व रामसूरत पाण्डे : स्त्रातेजिक विचारक (16वीं से 20वीं सदी तक)

# JIWAJI UNIVERSITY, GWALIOR (M. P.)

## Post Graduate Semester Wise Syllabus - 2020-21 to 2022-23

M.A./M.Sc. First Semester <sup>2023-24 to 2024-25</sup>

### Defence and Strategic Studies

#### Paper-II - History of warfare in the west from 1861-1945 (Part-A)

- Unit-1
  1. Industrial revolution and its influence on American Imperialism.
  2. Subsequent development of the American civil war (1861-1865).
  3. Practical Application of the concept of war in the Battle of Chattanooga (Nov. 1863).
  
- Unit-2
  1. Expansion of Prussia and First Battle of Sedan (1870).
  2. Increasing importance of transport and communication. Impact of development heavy artillery on war.
  3. Russo-Japanese war-Siege of Port Arthur (1904-05)
  
- Unit-3
  1. Foundation of First World War (1914-1917)  
Impact of industrial and commercial rivalry.
  2. Battle of Marne (1914)
  3. Battle of Tannenberg (1914)
  
- Unit-4
  1. End of mobile warfare and beginning of Siege warfare.
  2. Impact of Siege warfare.
  3. End of tactical stalemate (1915-1917) and Restoration of Mobility in war.
  
- Unit-5
  1. The Russian Revolution-Impact of class struggle (1917).
  2. The peace settlement 1919 and origin of League of Nations.
  3. Battle of Warsaw (1920).

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Recommended Books :

Aldrete Georg S. : Decisive Battles of World History, Jourmp Howai Press Vol. 18, 2007

Calvocoressi Peter : World Politics (1945-2000) Pearson Publi. New Delhi, 2008

Coox Alvin : Russia-Japan War, Stand ford Unives Press, ISBN 8047-1835-0

C. V. Clauseeritz : On War

H. Strachan : The First World War

J. F.C. Fuller : Armoment and History

J.F.C. Fuller : A Military History of the Western World, DA CAPO Press. (From American Civil War to the end of second W.W.)

J.F.C. Fuller - Decessive Ballex of First and Second W.W. Oxford 1950

J.F.C. Fuller - The conduct of War 1789-1961

Winston Churchil : The World Crisis 1911-1918

ज्ञान चन्द्र श्रीवास्तव : विश्व युद्ध के संग्राम, प्रकाश बुक डिपो, बरेली 1994

डॉ. बाबू राम पाण्डेय : भारतीय एवं पाश्चात्य सैन्य इतिहास तथा युद्ध के सिद्धान्त, प्रकाश बुक डिपो, बरेली

डॉ. लल्लन जी सिंह : पाश्चात्य सैन्य इतिहास एवं युद्ध कला 2011

श्रीवास्तव बुक डिपो - विश्व का ऐतिहासिक, प्रकाश बुक डिपो, " "

# JIWAJI UNIVERSITY, GWALIOR (M. P.)

Post Graduate Semester Wise Syllabus - ~~2020-21 to 2022-23~~

<sup>2023-24 to 2024-25</sup>  
M.A./M.Sc. First Semester

## Defence and Strategic Studies

### Paper-III - Disarmament, Arms Control and Peace (Part-A)

Unit-1 Introduction

1. Meaning, Nature and Basic concept of Disarmament.
2. Meaning & Basic concept of Arms control.
3. Necessity, Importance and Utility of Disarmament and Arms control.

Unit-2 Historical Background -

- (a) Washington Conference 1921-22
- (b) Geneva Conference 1927
- (c) Locarno Treaties 1925
- (d) First London Conference 1930

Unit-3

1. Causes of Failure of Disarmament efforts before II World War.
2. Efforts of Disarmament & arms Control by UNO, United Nations Disarmament Commission 1952.
3. Peaceful settlement of Dispute and Collective Security System after Second World War.

Unit-4

1. Strategic Arms Limitation Talks 1st (SALT-I) 1972
2. Strategic Arms Limitation Talks 2nd (SALT-II) 1979
3. INF - Treaty (1987)

Unit-5

1. Disarmament and Biological Weapons convention 1972.
2. Disarmament and Chemical Weapons convention 1993.
3. Protection against Chemical Weapons.

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Recommended Books :

A. K. Singh : Disarmament and World Peace, Prakash Book Depot, Bareilly  
Britannica, heets ://www.britannika.com/event/peace.of-westpnlia

Bordia B. : Strategy in the missile age

Emmee EM : The impact of Air approach

Menon Raja : Weapons of Mass Destruction : Option for India, Sage Public Pvt. Ltd., New Delhi 2004

Rishiraj Singh : Arms Controls. The Politics of Disarmament, Dominant Publi. Delhi

SJR Bilgrami : International Organisation, New Delhi, Vikas Pub. 1983

अशोक कुमार सिंह – राष्ट्रीय सुरक्षा के आयाम, प्रकाश बुक डिपो, बरेली

अशोक कुमार सिंह – राष्ट्रीय रक्षा एवं सुरक्षा, प्रकाश बुक डिपो, बरेली

डॉ. लल्लन जी सिंह – युद्ध और शांति की समस्याएँ, प्रकाश बुक डिपो, बरेली

डॉ. परशुराम गुप्ता – परमाणु निरस्तीकरण, प्रकाश बुक डिपो, बरेली

भद्रक बुधवारि : राष्ट्रीय सुरक्षा " " " ( forward by Gen. K. K. Singh )  
डॉ. विष्णुकोट शर्मा : पश्चिम एशिया, भारत एवं संयुक्त राष्ट्र, प्रकाश बुक डिपो, बरेली 2022

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# JIWAJI UNIVERSITY, GWALIOR (M. P.)

Post Graduate Semester Wise Syllabus - ~~2020-21 to 2022-23~~

2023-24 to 2024-25

M.A./M.Sc. First Semester

Defence and Strategic Studies

Paper-IV - Science and Technology in War (Part-A)

- Unit-1
  1. Science and War in History
  2. Defence and Civil Technology
  3. Research and Development
  4. Defence and PPP Model
- Unit-2
  1. Defence Industry and Technology
  2. Production cycle
  3. Defence Potential of India : Science, Technology and Industrial Development.
- Unit-3
  1. Nuclear Weapons, Fission and Fusion Bombs.
  2. Spread of Nuclear Weapons
  3. Missile Family - A detail study
- Unit-4
  1. Jet and Rocket Motor Engines.
  2. Space and its Military Role.
  3. LASER Rays and its military Utility.
- Unit-5
  1. Developments of Armaments in India Since 1947
  2. Effect of Science in Delimitation of Human Suffering
  3. Ennobling of War and World Problems.

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Recommended Books :

Behera Laxman Kumar (ed) : Indian Defence Industries an agenda for making in India  
Pentagon Press, New Delhi 2016

Jain U. C. and Nair Jeevan : Indian Defence and Security, Pointer Publi. Jaipur 2000

Mathew Ron : Defence production in India, ABC Pub. New Delhi 1989

Mishra H. B. : Defence Programme of India, Author Press, New Delhi 2000

Narain Pratap : India's Arms Bazar, Shilp Publication, New Delhi 1998

P. Korovsky : Science & Technology in Contemporary War

डॉ. लल्लन जी सिंह - योधन सांभार एवं विश्व शांति, प्रकाश बुक डिपो, बरेली

डॉ. अशोक कुमार सिंह - 21वीं सदी में भारत का सुरक्षा दर्शन

डॉ. लल्लन जी सिंह - रक्षा प्रौद्योगिकी में भारत, प्रकाश बुक डिपो, बरेली

डॉ. अशोक कुमार सिंह - विज्ञान, प्रौद्योगिकी और गैर परम्परागत सुरक्षा -

- डॉ. अशोक कुमार सिंह, प्रकाश बुक डिपो

डॉ. विष्णुकान्त शर्मा - रासायनिक युद्ध की तकनीक - हिंदी ग्रन्थ अकादमी, बरेली  
(मि.प्र.) 1994

  
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# JIWAJI UNIVERSITY, GWALIOR (M. P.)

Post Graduate Semester Wise Syllabus - ~~2020-21 to 2022-23~~

2023-24 to 2024-25

M.A./M.Sc. First Semester

Defence and Strategic Studies

Practical (Part-A)

- A. Tactical exercises on Rescue Operations with without troops in which a candidate is to act a Pt. or company commander.
  1. Judging Distances.
  2. Recognition and Indication of Targets
  3. Fire Control orders
  4. Sanction post of Ambush
  5. Patrols
  6. Platoon Formations
- B. Group Discussion
- C. Lecturing on current topic related to the National and Word Security.

Or

1. Study of given area in B/W, infra Red, colour and infra Red colour photographs.
2. Study of multi-Spectral Photographs using Additive colour viewer.
3. Study of Satellite imagery.
4. Study of Thermal Imagery and Drawing of Isotherm.
5. Study of RADAR Imagery and interpretation of features.
6. Spotting Recognition of Air Crafts, Ships and Tanks Models.
7. Group Discussion on Military Topic.
8. Lecturing on current topic.

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Recommended Books:

1. प्रो. बलवन्त सिंह - मानचित्र अध्ययन, प्रकाश बुक डिपो नरेली
2. डॉ. विष्णु मानुशर्मा - एन.सी.के. पब्लिश एवं प्रिंटांग  
प्रकाश/बुक डिपो नरेली | 1991.
3. Dr. Vishnu Kant Sharma - N.C.C. Cadet's  
Military Training, Prakash  
Book Depot, Bareilly, 1994
4. Prof. Balwant Singh - Map Reading, Prakash Book  
Depot, Bareilly.
5. प्रयोगात्मक सामरिक अध्ययन - अद्वितीय पब्लिकेशन रायपुर (छ.ग.) 2022

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# JIWAJI UNIVERSITY, GWALIOR (M. P.)

Post Graduate Semester Wise Syllabus - ~~2020-21 to 2022-23~~

M.A./M.Sc. Second Semester

2023-24 to 2024-25

Defence and Strategic Studies

Paper-I - Evolution of Strategic Thoughts : (Part-B)

- Unit-1**
1. Karl Marx and Engel's : Concept Total War
  2. Winston Churchill : The Emergence of civilians
  3. Lenin : Revolution, Military power and wars
- Unit-2** Moulders of Mechanised Warfare -
1. Liddel Hart : Strategy of Indirect Approach and Military contributions
  2. J.F.C. Fuller : Attack by Polarization, Tactial aspect
  3. Adolf Hitler : The Nazi Concept of War
- Unit-3** Geopolitical consideration in the strategic concept -
1. Karl Haushopher : Evolution of Geopolitics
  2. Mitchell and Alexander : Evolution of Air Warfare  
de Seversky
  3. A. T. Mohan and Mac Arthur : Theories of Sea Power
- Unit-4** Guerilla Warfare -
1. Mao Tse Tung : Elements and Principles of Guerrilla War
  2. Che Guevara : Guerrilla concept of Warfare
  3. Sun - Tzu : Guerrilla concept of Warfare
- Unit-5** Post - War Concept (After 1945) -
1. Strategy of Annihilation and Deterrence
  2. Andre Beaupre : The concept of Deterrence
  3. Henri Kissinger : Detente
  4. Mohandas Karam chand Gandhi - Theory of Non-violence.

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Recommended Books :

Amrithanshu Johri : Makers of Modern Strategy from Machiavelli to Nuclear age

B. H. Liddell Hart : Thoughts on War

B. H. Liddell Hart : Strategy of indirect approach

E. M. Earl : Makers of Modern Strategy 1947

Harkabi Y. : Nuclear War and Nuclear Policy

J.F.C. Fuller : Machine Warfare

J.F.C. Fuller : Decisive Battles of the Western World

King Hall : Defence in the Nuclear Age

Mao Tse Tung : Guerilla Warfare

Raymond Aron : Peace & War

डॉ. आर. सी. जौहरी : पाश्चात्य सैन्य विचारक, प्रकाश बुक डिपो, बरेली

डॉ. लल्लन जी सिंह : आधुनिक सैन्य चिंतक (विचारक), प्रकाश बुक डिपो, बरेली (3.9)

डॉ. लल्लन जी सिंह : अनियमित युद्ध के सिद्धांत

बाबू राम पाण्डे एवं रामसूरत पाण्डे : भारतीय एवं पाश्चात्य सैन्य इतिहास तथा युद्ध के सिद्धांत

डॉ. अशोक कुमार सिंह : आधुनिक स्रातेजिक विचारधारा , प्रकाश बुक डिपो , बरेली (3.9)

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# JIWAJI UNIVERSITY, GWALIOR (M. P.)

Post Graduate Semester Wise Syllabus - ~~2020-21 to 2022-23~~  
 M.A./M.Sc. Second Semester <sup>2023-24 to 2024-25</sup>

Defence and Strategic Studies

Paper-II - History of Warfare in the West from 1861-1945 (Part-B)

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- Unit-1
1. Rise of Third Reich and Foundation of Second World War.
  2. World War of Second - Objective and causes of Allied and Axis Forces.
  3. Second Battle of Sedan (1940) and fall of the France.
- Unit-2
1. Progress of War in Pacific (1942-44)
  2. Attack of Pearl Harbour (1941)
  3. Battle of Midway Island (1942-43)
- Unit-3
1. Battle of Moscow (1941)
  2. Battle of Stalingrad (1942)
  3. Political and Second Fronts (II W.W.)
- Unit-4
1. Battle of Normandy (1944) and its consequences.
  2. Battles of Leyte Gulf (1944)
  3. Battle of Monte-Cassino (1944)
- Unit-5
1. End of Second War and Fall of the Third Reich and Nazi.
  2. The Second World War in retrospect and prospects.
  3. Background of the Origin of United Nations Organisation (UNO).

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Recommended Books :

- Calvocoressi Peter : World Politics 1945-2000, Pearson Publi, New Delhi 2008  
Montgomery, A. History of War, William College, London 1968  
J. F.C. Fuller : Armoment and History  
J.F.C. Fuller : A Military History of the Western World, DA CAPO Press. (From American Civil War to the end of second W.W.)  
J.F.C. Fuller - Decessive Ballex of First and Second W.W. Oxford 1950  
J.F.C. Fuller - The conduct of War 1789-1961  
Winston Churchil : The World Crisis 1911-1918  
ज्ञान चन्द्र श्रीवास्तव : विश्व युद्ध के संग्राम, प्रकाश बुक डिपो, बरेली 1994  
डॉ. लल्लन जी सिंह - पाश्चात्य सैन्य इतिहास

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# JIWAJI UNIVERSITY, GWALIOR (M. P.)

Post Graduate Semester Wise Syllabus - ~~2020-21 to 2022-23~~

M.A./M.Sc. Second Semester <sup>2023-24 to 2024-25</sup>

Defence and Strategic Studies

Paper-III - Disarmament, Arms Control and Peace (Part-B)

- Unit-1
  1. Problems and possibilities of disarmament.
  2. Causes of Failure of Disarmament.
  3. PTBT 1963
  4. Outer Space Treaty 1967.
  
- Unit-2
  1. N.P.T. 1968, Threshold Test Ban Treaty 1974.
  2. Moscow Agreement May 198
  3. START First 1991.
  4. START Second 1993.
  
- Unit-3
  1. Reduction of Atomic Weapons by USA-1991.
  2. Reduction of Atomic Weapons by Russia-1991.
  3. Bilateral Agreement between USA & Russia 1994.
  
- Unit-4
  1. Comprehensive Test Ban Treaty (CTBT).
  2. Bilateral Agreement between USA & Russia May - 2002.
  3. Arms control organization - IAEA,
  
- Unit-5
  1. Causes of failure of Dis Armament & Arms Control.
  2. India and Dis armament.
  3. India and Pakistan Arms Race and future of disarmament and Arms control.

### Recommended Books :

A. K. Singh : Disarmament and World Peace  
 Garnett John (Ed), Theories of Peace and Security A.R.C. Straly Macmillian 1976  
 Metha R. S. : Encyclopedia of Nuclear Arms Control and non Proliferation Volume 1-5,  
 Penlagaon Press, V. Delhi 2007  
 Paret Peter (ed) : Makers of Modern Strategy : From Machiavelli to Nuclear Age, Oxford  
 1986.  
 Yadav S. N. : Nuclear Non Prolifiration Treaty and World Security Vision Publi., Delhi 2014

डॉ. परशुराम गुप्ता : परमाणु निरस्त्रीकरण, प्रकाश बुक डिपो, बरेली

डॉ. अरूण पटवारी : भारतीय प्रतिरक्षा का विकास

डॉ. अशोक कुमार सिंह : रक्षा को स्वयंसेवक प्रथम - प्रवधाना एवं मूलाधार  
 प्रकाश बुक डिपो, बरेली  
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# JIWAJI UNIVERSITY, GWALIOR (M. P.)

Post Graduate Semester Wise Syllabus - ~~2020-21 to 2022-23~~

M.A./M.Sc. Second Semester <sup>2023-24 to 2024-25</sup>

## Defence and Strategic Studies

### Paper-IV - Science and Technology in War (Part-B)

- Unit-1
  1. History and Development of Nuclear, Biological and Chemical Warfare
  2. Effect of Nuclear Warfare
  3. Effect of Chemical and Biological Warfare
  
- Unit-2
  1. Electronic Warfare
  2. Unconventional Warfare
  3. Economic Warfare
  
- Unit-3
  1. New War Technologies
  2. Space Technology and its Military Importance
  3. Emergence of New Technologies in Land Warfare
  
- Unit-4
  1. Artificial Intelligence and its role in civil defence and security.
  2. Cyber warfare - Meaning, concept and proliferation.
  3. Society, Science, Technology and Innovation - Special reference to Make in India and it's role in India's empowerment.
  
- Unit-5
  1. How much Damage can modern War Create *in special reference to Armenia- vs Azerbaijan*
  2. Atomic Weapons World peace and India.
  3. Arms Trade

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Recommended Books :

Bajpai U.S. : India and Neighborhood, Lancer International Publi., New Delhi 1986  
Chatterjee, Deshpande Vikrant, Hybrid Warfare : The changing character of conflict, New Delhi, 2018

Chandra Shekhar : Arming the Defence forces - Procurement of production policy, Manas Publi. New Delhi 2004

Fuller J.F.C. : Conduct of War London 1961

Gander T.J., Nuclear, Biological of Chemical Warfare

Military year Book, SP Publications Various year, New Delhi

Narang S. C. : Chemical War & Casualty Management, Prashant Publication, New Delhi 2009

Narayan Pratap : India's Arms Bazar, Shilp Publication, New Delhi 1998

Padamanabham K. R. : Chemical weapons and warfare, Surendra Publication, New Delhi

Sinha B. K. : Biological warfare, Surendra Publication, New Delhi

SIPRI Military year Book, Sweden, Various year, Stockholm

डॉ. बाबू राम पाण्डेय व आर. एस. पाण्डेय : सुरक्षा के बदलते आयाम, बरेली

विंग कमांडर मनमोहन बाला : रक्षा विज्ञान, प्रभात प्रकाशन, दिल्ली

डॉ. लल्लन जी सिंह : युद्ध का अध्यन, प्रकाश बुक डिपो, बरेली 1986

डा. विष्णु कान्त शर्मा : रसायनिक युद्ध की तकनीक

म.प्र. हिन्दी ग्रंथ अकादमी, भोपाल, 1994

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# JIWAJI UNIVERSITY, GWALIOR (M. P.)

Post Graduate Semester Wise Syllabus - ~~2020-21 to 2022-23~~

2023-24 to 2024-25

M.A./M.Sc. Second Semester

Defence and Strategic Studies

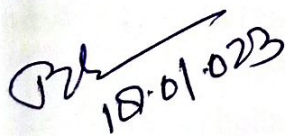

Practical (Part-B)




A. Tactical exercises on Rescue Operations with without roops in which a candidate is to act a company commander.

1. Battle procedure, Field Formation
2. Military Appreciation, Operation Order, TEWT Exercise, Attack
3. Spotting-Models Aircrafts, Ships, Missiles etc.
4. Lecturing on current topic of Military Science

Or

Educational Tour

  
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# JIWAJI UNIVERSITY, GWALIOR (M. P.)

Post Graduate Semester Wise Syllabus - ~~2020-21 to 2022-23~~  
 M.A./M.Sc. Third Semester <sup>2023-24 to 2024-25</sup>

Defence and Strategic Studies

Paper-I - National Security (Part-I)

- Unit-1**
1. Concept and elements of National Power
  2. Morgenthau's views on National Power
  3. Forms of Struggle for Power
  4. Geostrategy and Geopolitics : Concept, Definition and Importance
- Unit-2**
1. Land Frontier of India and its Tactical Importance
  2. Sea Frontier of India and its Strategic Importance
  3. Geostrategic Location of India
  4. Tectical Importance of North East of India
- Unit-3**
1. Natural Resources of India
  2. Atomic Power in India
  3. Defence Research and Development Organization and its role in National Security
- Unit-4**
1. Surgical Strike - Air Strike with special reference to Jammu and Kasmir.
  2. Global Terrorism - Meaning, Concept and its Proliferation with new challanges.
  3. Non-traditional challanges to the National Security - National Integrity, Cyber Crime and Narco Terrorism with Drugs trafficking.
- Unit-5**
1. Strategic Minerals-special reference to India
  2. Man Power : India
  3. Defence Industries in India. Iron and Steel Industries, Ship building Industry, Aircraft manufacturing Industry

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Recommended Books :

- Anand V, K. : Terrorism & Security, Deep & Deep Publication, Delhi 1984  
Beharal Laxman K. : India's Defence Industry an agenda for Make in India (ed) UDSA, New Delhi, 2016  
Chatterjee R. K. : India's Land Border Problems and Challenges, Sterling Publi. 1987  
Chellaney Brahma (ed) Securing India's future in the New Millennium, Oreint Longman, Delhi 1999  
Dasst : National Security in Perspective, Gyan Publi., New Delhi 1987  
Das Gautam : Insurgency in North East India, Pentagoan Press, New Delhi  
Das Shiva Tosh : Geo-strategy : Kitab Mahal, Allahabad 1986  
Gray Colin Sand Solon Geoffrey : Geopolitics, Geography and Strategy, New York 2013  
Khera S. S. : India's Defence Problems, Orient Long mass, New Delhi 1968  
Kumar Ashok : Challanges to Internal Security of India Mcgraw Hill Edu Publi., Chennai 2017  
Kumar Gopa : International Terrorism and Global Order in the 21st Century, Kaniska, Rawat Publication, Delhi 2003  
Liu Zuecheng : The Sino-Indianborder dispute and Sino India relations University Press of America 1994  
Pawar Omkar : Internal Security problems in North-East India, Insurgency and Counter Insurgency, Kalpaz Publication, Delhi 2016  
Sali M. L. : Military Geography, Manas Publi., New Delhi, 2009  
Shevendra Sahni : Perspectived on India's National ecurity Challanges : External and Internal Dimension, Pentagon Publi., New Delhi 2016  
Yadav S. N. : Terrorism, Drug Trafficking organised Crime, Jamand Publi., New Delhi 2009

डॉ. अशोक कुमार सिंह : राष्ट्रीय प्रतिरक्षा

डॉ. अशोक कुमार सिंह : 21वीं सदी में भारत का सुरक्षा दर्शन

डॉ. हरवीर शर्मा : राष्ट्रीय प्रतिरक्षा

डॉ. नरेन्द्र सिंह : राष्ट्रीय सुरक्षा

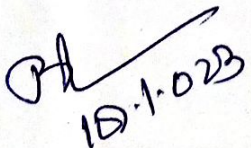
डा. अशोक कुमार सिंह - विज्ञान, जैवघातिकी और गैर परम्परागत सुरक्षा प्रणालियाँ

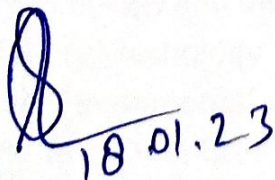
डा. विष्णुकान्त शर्मा - आंतरमन्त्रालय और आंतरराष्ट्रीय सुरक्षा, प्रकार, बुक डिपो, बरेली  
2019

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**JIWAJI UNIVERSITY, GWALIOR (M. P.)****Post Graduate Semester Wise Syllabus - ~~2020-21 to 2022-23~~****M.A./M.Sc. Third Semester <sup>2023-24 to 2024-25</sup>****Defence and Strategic Studies****Paper-II - War in International Relation (Part-A)**

- 
- Unit-1
1. War : Definition, Concept and Nature
  2. Different forms of war, limited and unlimited
  3. Cold War and its concept
- Unit-2
1. Spread of Nuclear Weapons
  2. Theory of Deterrence and it's concept
  3. Strategy of Massive Retaliation
- Unit-3
1. Balance of Power
  2. Collective security
  3. War as an instrument of State Policy
- Unit-4
1. Military Alliances
  2. Neutrality of War
  3. Military Block
- Unit-5
1. C.B.Ms. (Confidence Building Measures) in South Asia.
  2. Prevention of War
  3. Principals of Panchsheel and Theory of Non Violen

  
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Recommended Books :

- Burchill, Scott et al and : Theories of International relations London 2001  
Carlsnaes Walter, R. Thomas and Beth : Hand Book of International Relation 2008  
Dr. Laxman Popatraq wagh : India-Myanmar Relation, Atul Puli, Kanpur 2017  
I. K. Gujral : Continuity and change - India's Foreign Policy, Mac-millan India Ltd. New Delhi 2002  
KingHall : Defence in the nuclear Age Palma and Parking  
Margenthu H. : Politics among the Nations, New Delhi, Kalyani 1985  
Malohtra Vijay Kumar : International Relations, New Delhi, Vikas Publi., 1997  
Malhotra S. K., International Relations, Black Print, New Delhi, 2013  
Noam D. Palmer and H. Parkins : International Relations, Culcutta 1985 (Sci. book)  
Rajiv Sikri : Challanges & Starategy - Rethinking India's foreign policy, Sage India, New Delhi 2013  
Raymond Aron : Peace & War. A theory of International Relations Taybr & Franci Group London and New York  
Sharma R. R. (ed.) : India and Emerging Asia, Sage Publication, New Delhi 2013  
Stephen P. Cohen : India - Emerging Power, OU Pub., New Delhi 2001  
डॉ. अशोक कुमार सिंह : अन्तर्राष्ट्रीय संबंध तथा रक्षा एवं सामरिक अध्ययन  
डॉ. अशोक कुमार सिंह : राष्ट्रीय सुरक्षा एवं अन्तर्राष्ट्रीय संबंध  
डॉ. लल्लन जी सिंह : अन्तर्राष्ट्रीय संबंधों पर युद्ध का प्रभाव, प्रकाश बुक डिपो, बरेली  
बी. डी. तोड़कर : अन्तर्राष्ट्रीय सम्बन्ध, महत्वाचा संकल्पना, डायमंड पब्लिकेशन, पूने, 2011  
मिश्रा सुरेन्द्र कुमार : राष्ट्रीय रक्षा व सुरक्षा, मॉडर्न पब्लिकेशन, जालंधर

डॉ. अशोक कुमार सिंह : अन्तर्राष्ट्रीय संबंध एवं अन्तर्राष्ट्रीय विदेशी प्रकाश बुक  
डॉ. अशोक कुमार सिंह : युद्ध प्रिभांसा, बरेली एपो, बरेली

  
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# JIWAJI UNIVERSITY, GWALIOR (M. P.)

Post Graduate Semester Wise Syllabus - ~~2020-21 to 2022-23~~

M.A./M.Sc. Third Semester

2023-24 to 2024-25

Defence and Strategic Studies

Paper-III - Military Psychology (Part-A)

- Unit-1
  1. Relevance of Psychology in Defence problems
  2. Importance of Military psychology in Modern War
  3. Personality Testing
  
- Unit-2
  1. Individual and Collective Intelligence Test
  2. Test of Special Senses
  3. Special Ability Test
  
- Unit-3
  1. Factors in Adjustments During Army Life
  2. Adjustment During Training and Battle Field
  3. Problems of Readjustments of EX Soldiers
  
- Unit-4
  1. Groups Definition important factors device of developing Groups
  2. Fatigue and it's study
  3. Importance of Motivation in war
  
- Unit-5
  1. Leadership characteristic and importance of Leadership in war
  2. Discipline - Types, Characteristics of Discipline
  3. Aptitude's test

**Recommended Books :**

E. G. Boring : Psychology for the Armed Services

F. G. Bartlett : Psychology and the Soldier

Raj Narain : Military Psychology

R. K. Mukherjee : Fundamental of Psychology

श्रीमती पुष्पा जैन : सैनिक मनोविज्ञान 1982

श्रीमती पुष्पा जैन : सम्पूर्ण सैन्य विज्ञान भाग 1 एवं भाग 2, विश्वविद्यालय प्रकाशन, ग्वालियर

डॉ. परशुराम गुप्ता : सैन्य विज्ञान, बरेली

डॉ. अशोक कुमार सिंह, सैन्य मनोविज्ञान के प्राध्यापक, बरेली  
 18.01.23

डॉ. अशोक कुमार सिंह, सैन्य मनोविज्ञान के प्राध्यापक, बरेली  
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# JIWAJI UNIVERSITY, GWALIOR (M. P.)

Post Graduate Semester Wise Syllabus - ~~2020-21 to 2022-23~~


M.A./M.Sc. Third Semester


2023-24 to 2024-25

Defence and Strategic Studies

Paper-IV - Indian Military History (Part-A)

- Unit-1
1. Military System and Warfare in Vedic Period
  2. Military System and Warfare in Epic and Puran Period
  3. Comparative study of India-Macedonian Military organization and Technique of fighting with particular reference to the battle of Hydaspes (326 BC)
- Unit-2
1. Kautilya's Philosophy of War - Military organization, weapons, pattern of warfare etc.
  2. Military system of Mauryan period with special reference to Magasthanies account.
  3. Military System during Harshas period.
- Unit-3
1. Military organization and technique of fighting of Rajput with the special reference to the battle of Tarran (1192 A.D.)
  2. Military reforms and Pattern of Warfare during the Sultanat period, with particular reference to Allauddin Khilji.
  3. New strategic concept introduced by Baber with Particular reference to the first Battle of Panipat (1526 A.D.)
- Unit-4
1. Battle of Haldi Ghti (1576) and its Military and Political Lessons.
  2. Military System of Marathas under Shiwaji and their Guerilla Techniques of Fighting.
  3. Changes in Maratha pattern of Warfare during 18th Century with special reference to the third Battle of Panipat (1761).
- Unit-5
1. Impact of Western ideas on Maratha Military System and Tactics.
  2. Military system of Sikh and under Maharaja Ranjeet Singh.
  3. Military organization and pattern of warfare of Khalasa army.

  
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**Recommended Books :**

**Sir Jadunath Sarkar : Indian Military History**

मेजर एल्फ्रेड डेविड चौपड़ा : भारतीय युद्ध कला, म. प्र. हिन्दी ग्रन्थ अकादमी, भोपाल

युद्ध का अध्ययन : पाण्डे एवं चौबे

डॉ. निरंकार प्रसाद तिवारी : भारतीय सैन्य इतिहास, शारदा पुस्तक भवन, इलाहाबाद

भारतीय सैन्य इतिहास और युद्ध के सिद्धान्त : डॉ. लल्लन जी सिंह, प्रकाश बुक डिपो, बरेली

डॉ. लल्लन जी सिंह : कौटिल्य का युद्ध दर्शन

वाचस्पति गैरोला : कौटिल्य अर्थशास्त्र

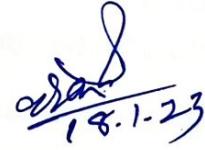
अशोक कुमार सिंह : भारत का सैन्य इतिहास, प्रकाश बुक डिपो, बरेली, 1995

के. के. यादव, ए. के. श्रीवास्तव व ए. एस. सिंह : भारतीय सैन्य कला का इतिहास

डॉ. अरूण पटवारी : भारतीय प्रतिरक्षा इतिहास

डॉ. विष्णु कान्त शर्मा : भारत का सैन्य इतिहास, म. प्र. हिन्दी ग्रन्थ अकादमी,

भोपाल - 2022

  
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# JIWAJI UNIVERSITY, GWALIOR (M. P.)

Post Graduate Semester Wise Syllabus - ~~2020-21 to 2022-23~~

M.A./M.Sc. Third Semester

2023-24 to 2024-25

## Defence and Strategic Studies

### Practical

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A. Psychological Experiment.

1. Intelligence Test
2. Mental and Physical Fatigue
3. Perseveration Test
4. Reaction time by vamiere chronoscope
5. Social transmission of story

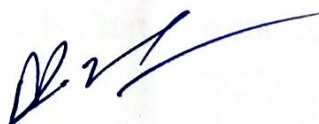
B. Spotting Different Tank Models

- c. Group discussion on various Military topic
- d. Lecturing on current National and International affairs.

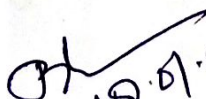
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# JIWAJI UNIVERSITY, GWALIOR (M. P.)

Post Graduate Semester Wise Syllabus - ~~2020-21~~ to ~~2022-23~~

M.A./M.Sc. Fourth Semester <sup>2023-24 to 2024-25</sup>

Defence and Strategic Studies

Paper-I - National Security (Part-B)

- Unit-1**
1. Doctrins of Nuclear Strategy
  2. Conventional Deterrence in Nuclear Age
  3. Low Intensity Warfare and Low Intensity Conflict
  4. Arms Aid and Trade
- Unit-2**
1. Threats and security problems in different regions of India
    - a. Insurgency in North Eastes of India
    - b. Kashmir Problems
    - c. Linguism, Regionalism, Casteism
  2. New efforts in india to face internal threats.
  3. Pakistan's Nuclear policy and its impact on India's security
- Unit-3**
1. Geo political importance of Indian Ocean
  2. Peace Zone concept and Indian Ocean
  3. Changes in International Security environment and India
- Unit-4**
1. Role of South Asian Association of Regional Co-operation (SAARC) as Model for Regional security - Introduction, Aim and Conferences
  2. ASEAN SUMMITS
  3. BIMSTEC
  4. Quad (Quadrilateral Security Dialogue (QSD) : As Strategic forum to India
- Unit-5**
1. Women empowerment and India's Defence dynamics
  2. Non-traditional Security and changing scenario of India's security emerging dynamics - ie : Covid-19; Mob Lynching; Communal unrest organised crime
  3. Defence Procurement Policy - Self Sufficiency and Self Reliance : Need and Challanges.

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Recommended Books :

- Bajpai U. S. India and Neighborhood Laxer International, New Delhi 1986
- Bal ChandranVappala : National Security and intelligence Management A new paradigm, New Delhi 2014
- Das Gautam, Insurgency in North-East India Pentagon Press, New Delhi 2013
- Das Gautam : Securing India's Border Cntr for Land warf studies, New Delhi 2020
- Eugenie de-Silva : National Security and counter intelligence in the Era of Cyber Espionage. Varginia. ISA 2016
- Gousales Eric and Nancy Jotly : The Dynamics of South Asia. Raj Corporation and SAARC Sage Publi, Thausaock, New Delhi 1999
- Kumar Satish : India's National Security, Taylor & Francis Publi., New Delhi 2016
- Khera S. S. : India's Defence problems, Orient Logamans, New Delhi 1968
- Meena Kanta & Meena Meanahemraj : Nazalite Insurgency and Gurilla warfare Book Enclave, Jaipur 2012
- Nayyar V. K., India's Security, Sumit Ent. New Delhi, 2014
- Nayak V. K. : Threats from within, Lanier Publi., New Delhi, 1992
- Nanavatty R. N. Internal Armed Conflict in India, Cnt to land War stu Pentagon, New Delhi 2013
- Panikar K. M. : India and Indian Ocean
- Pavithrank K.S. : Foreign Policy & Maritime Security of India, New Centua Publi., New Delhi 2013
- S.J.R. Bilgrami, International Organization Vikas, New Delhi, 1983
- Saroj B. : Threat to India's Security. Exxis Book Pvt. Ltd., New Delhi, 2013
- Schofield Victoria, Kashmirini Conflict, Viva Book Pvt., Ltd., Delhi, 2004
- डॉ. हरवीर शर्मा : युद्ध के मानवीय एवं भौतिक तत्व, जयप्रकाश लाम एण्ड कम्पनी, मेरठ
- कैप्टन बी. एन. मालीवाल : राष्ट्रीय सुरक्षा
- मिश्रा सुरेन्द्र कुमार : राष्ट्रीय सुरक्षा, मॉडर्न पब्लिकेशन, जालंधर
- वर्मा योगेन्द्र कुमार एवं निगम रामलाल : भारतीय सैन्य इतिहास, कानपुर
- डॉ. विष्णु कान्त शर्मा - आतंकवाद एवं आंतरिक सुरक्षा, प्रकाश बुक डिपो  
करेली, उ.प्र.

  
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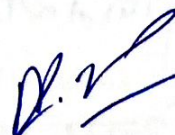
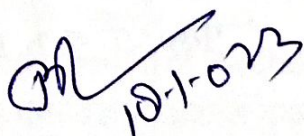
Post Graduate Semester Wise Syllabus - ~~2020-21 to 2022-23~~  
2023-24 to 2024-25


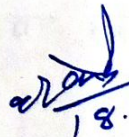
M.A./M.Sc. Fourth Semester  
Defence and Strategic Studies

## Paper-II - War in International Relation (Part-B)

- Unit-1**
  1. United Nation Organization and its purpose
  2. Impact of UNO on International politics
  3. Relevane of Reforming the United Nations in Changing World Scenario
  
- Unit-2**
  1. West Asia Conflicts
  2. Arab Isreal War 1973
  3. GULF War 1991
  4. Afgan Problem
  
- Unit-3**
  1. Nuclear Policy of India
  2. Kargil Conflict 1999
  3. Security issues with India's Neighbourhood - Special reference to Border disputes with China, Pakistan & Nepal.
  
- Unit-4**
  1. Diplomacy-concept, meaning and its types
  2. Importance, Merits & Demerits of Diplomats.
  3. Indo-Pacific region : Zone of New Conflict
  
- Unit-5**
  1. War and International Law
  2. Peace Thought - A World State 'Strategy of Peace'
  3. Indo-China War 1962 - Causes, Result and Lessons.

  
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Recommended Books :

- Anthony T. J. : The Gulf War : Operation Desert Start 1990-1991 Penssuvrd Military 2015
- Bruce Riedel : JFK's forgotien Crisis Tibet, The CIA and Sino-India's War Brooking Insti. 2017
- Baylis John and Smith Steve : The Globalisation of World Politics, Oxford Univer. Oxford 1997
- Charles K. Ebinger : Energy and Security in South Asia, The Booking, Washington, D. C. 2011
- Gill Parmjit Kaur and Sehgal : Dynamics of International Relations - Theory & Issues Atlantic, New Delhi 2012
- Hagerty Devin T. : South Asia in World Politics Rowman & litlfield, U. K.
- James L. Gelvin, The Israel - Palestine Conflict one hundred year war Cambridge University Press 2007
- J. N. Dixit : Makers of India's Foreign Policy, Harper Collins, New Delhi, 2004
- Kher R. S. : United Nations Organisation, Wisdom Press, New Delhi, 2013
- Khanna V. N. : International Relation, Vikas Pub., Delhi 1997
- Kanwal Gurmeet : Pakistan's Proxy war, Lancer Pub., New Delhi
- Matthews Ken : The Gulf conflict and International Relation, London, 1993
- Rajan M. S. : World order and United Nations, Barward, New Delhi 1995
- Saxena K. P. : Reforming the United Nations, Sage, New Delhi 1993
- Sujata Ramcharri : United Nations and World Politics, Kaniksa, New Delhi 1998
- Tajain Arpit: Nuclear Deterreuee in South Asia, Sage Publi., New Delhi 2005
- तोड़कर बी. डी. : अन्तर्राष्ट्रीय संबंध 2014, प्रशान्त पब्लिकेशन्स, जलगांव (महाराष्ट्र) 2015
- वेदालंकार हरिदत्त : अन्तर्राष्ट्रीय कानून
- सक्सेना उषा : अन्तर्राष्ट्रीय विधि
- अशोक कुमार सिंह : भारत-पाक का चौथा युद्ध, शर्त और संभावनाएँ
- कृष्ण कुमार रत्तू : कारगिल युद्ध
- डॉ. सुरेन्द्र मिश्रा : भारत-पाक संबंध (एक सामरिक विश्लेषण)
- डॉ. लल्लन जी सिंह : अन्तर्राष्ट्रीय संबंधों पर युद्ध का प्रभाव
- डॉ. अशोक कुमार सिंह : *Yudha to Budha - Road map of India's Security, Pakistan Book Dept*
- डॉ. विष्णु कान्त शर्मा : *भारत - नेपाल सम्बन्ध, प्रतिष्ठा पब्लिकेशन्स, जयपुर 2019*
- डॉ. विपद्यु कान्त शर्मा : *पश्चिम एशिया, भारत एवं संयुक्त राष्ट्र, (प्रकाश बुक डिपो करेली उ.प्र.)*

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# JIWAJI UNIVERSITY, GWALIOR (M. P.)

Post Graduate Semester Wise Syllabus - ~~2020-21~~ to ~~2022-23~~  
2023-24 to 2024-25

M.A./M.Sc. Fourth Semester

Defence and Strategic Studies

Paper-III - Military Psychology (Part-B)

- Unit-1**
1. Principles of Military Psychology and its importance in Military Training
  2. Morale-Factors, Different Techniques of boosting Morale
  3. Importance of Morale in Armed forces
- Unit-2**
1. Propaganda Nature, organization and type of Military propaganda
  2. Rumour-Nature, Techniques and its merit and demerits
  3. Brain washing
- Unit-3**
1. Mental Health and soldier in War
  2. Mental Disorders of warfare
  3. Emotion
- Unit-4**
1. Psychological Disorders, Conversion of Hysteria
  2. Anxiety and War neurosis
  3. Predisposing Condition and Method of Treatment
- Unit-5**
1. Man - Management
  2. Fear in War
  3. Anger in War

## Recommended Books :

E. G. Boring : Psychology for the Armed Services

F. G. Bartlett : Psychology and the Soldier

Raj Narain : Military Psychology

R. K. Mukherjee : Fundamental of Psychology

डॉ. परशुराम गुप्त : सैन्य मनोविज्ञान, प्रकाश बुक डिपो, बरेली

श्रीमती पुष्पा जैन : सैन्य मनोविज्ञान, वि.वि. प्रकाशन

श्रीमती पुष्पा जैन : सम्पूर्ण सैन्य विज्ञान, विश्वविद्यालय प्रकाशन भाग 1 एवं भाग 2

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# JIWAJI UNIVERSITY, GWALIOR (M. P.)

Post Graduate Semester Wise Syllabus - ~~2020-21~~ to ~~2022-23~~

2023-24 to 2024-25

M.A./M.Sc. Fourth Semester

Defence and Strategic Studies

Paper-IV - Indian Military History (Part-B)

- Unit-1** Military adventure of East India company with particular reference to the following battles.
  1. Battle of Assaye (1803 A.D.)
  2. Battle of Ferozshah (1845 A.D.)
  3. Battle of Chillian wala (1849 A.D.)
  
- Unit-2**
  1. East India Company's Military organisation in India.
  2. India' first Liberation Movement (1857 A.D.)
  3. Amalgamation of presidency Armies.
  
- Unit-3**
  1. Kitcheners Military reforms in British India.
  2. Post First World War Recognition India British Army.
  3. Post Second World War Recognition in India British Army.
  
- Unit-4**
  1. Military Organization of India after India's Independents.
  2. Higher Defense Organization of India.
  3. Defence ministry of India and its different committees.
  
- Unit-5**
  1. Growth of Indian Army after Independent.
  2. Growth of Indian Navy after Independent.
  3. Growth of Indian Air Force after Independent.

**Recommended Books :**

- डॉ. लल्लन जी सिंह : युद्ध कला (Art of War), प्रकाश बुक डिपो, बरेली
- डॉ. परशुराम गुप्त : वर्तमान रक्षातंत्र, प्रकाश बुक डिपो, बरेली
- डॉ. अरूण पटवारी : भारतीय प्रतिरक्षा का विकास, प्रकाश बुक डिपो, बरेली
- डॉ. लल्लन जी सिंह : आधुनिक राज्य का रक्षा तन्त्र, प्रकाश बुक डिपो, बरेली
- एस. के. मिश्रा : भारतीय सैन्य इतिहास

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डॉ. विष्णु कौल शर्मा : - भारत का सैन्य इतिहास, मध्य हिन्दी ग्रन्थ अकादमी, भोपाल (मध्य) 2022

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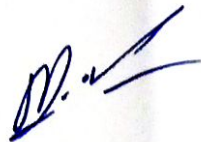
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**JIWAJI UNIVERSITY, GWALIOR (M. P.)****Post Graduate Semester Wise Syllabus - 2020-21 to 2022-23****M.A./M.Sc. Fourth Semester****Defence and Strategic Studies****Practical**

- 
- A. Psychological Experiment.
1. Divisibility of Attention by Medonqual Disc.
  2. Span of Apprehension.
  3. Fluctuation of Attention.
  4. Transfer of Learning by Mirror Drawing apparants.
  5. Free word Association.
  6. Bhatia's Battery Experiments of IQ.
- B. Spotting of Different Ships and Aircraft Models.
- c. Group discussion test.
- d. Lecturing on Various National and International Topic.


Project work.

  
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