


Khandesh Education Society's

Pratap Collge, Amalner

(AUTONOMOUS)

**Department of Defence & Strategic Studies**

SYLLABUS UNDER AUTONOMY

**FOUR YEAR UNDER GRADUATE (FYUG) PROGRAMME** IN **DEFENCE & STRATEGIC STUDIES**
UNDER CBCS

AS PER

**National Education Policy 2020**

Syllabus for **F.Y.B.A.** (Defence and Strategic Studies)

Semester - I & II

(60:40 Pattern)

(w.e.f. Academic Year 2023-24)

# Defence and Strategic Studies

## Semester Wise Course Structure of FYBA (FYUG)

### Under the CBCS Pattern (2023-24)

## B.A. (Level 4.5) SEM- I

| Sr. No. | Course Category | Course Code | | Name of the course (Title of the Paper) | Total Credit | Hour / Semester | Teaching Scheme (hrs./week) | | Evaluation Scheme | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Theory | Practical | Continuous Internal Evaluation (CIE) (CA) | End Semester Evaluation (ESE) (UA) |
| | | | | | | | T | P | | |
| 1 | DSC Major | DSC-1 [T] | DEF-MJ-101 | Military History of India -I | 4 | 60 | 60 | - | 40 | 60 |
| | | DSC-2 [T] | DEF-MJ-102 | Road Safety-I | 2 | 30 | 30 | - | 40 | 60 |
| 2 | Minor | MIN-1 [T] | DEF-MN-111 | National Security-I | 4 | 60 | 60 | - | 40 | 60 |
| 3 | GE/OE | OE-1 [T] | DEF-OE-121 | Chemical Warfare | 2 | 30 | 30 | - | 40 | 60 |
| 4 | VSEC | SEC-1 [T] | DEF-SEC-103 | Strategic Thoughts in Defence Studies | 2 | 30 | 30 | - | 40 | 60 |
| | | | | Total | 14 | 210 | 210 | - | 200 | 300 |

## SEM- II

| Sr. No. | Course Category | Course Code | | Name of the course (Title of the Paper) | Total Credit | Hour / Semester | Teaching Scheme (hrs./week) | | Evaluation Scheme | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Theory | Practical | Continuous Internal Evaluation (CIE) (CA) | End Semester Evaluation (ESE) (UA) |
| | | | | | | | T | P | | |
| 1 | DSC Major | DSC-3 [T] | DEF-MJ-151 | Military History of India -II | 4 | 60 | 60 | - | 40 | 60 |
| | | DSC-4 [T] | DEF-MJ-152 | Road Safety- II | 2 | 30 | 30 | - | 40 | 60 |
| 2 | Minor | MIN-2 [T] | DEF-MN-161 | National Security-II | 4 | 60 | 60 | - | 40 | 60 |
| 3 | GE/OE | OE-2 [T] | DEF-OE-171 | Biological Warfare | 2 | 30 | 30 | - | 40 | 60 |
| 4 | VSEC | SEC-2 [T] | DEF-SEC-153 | Leadership Management in Defence | 4 | 60 | 60 | - | 40 | 60 |
| | | | | Total | 16 | 240 | 240 | - | 200 | 300 |

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# Defence and Strategic Studies

## F.Y.B.A. CBCS Pattern

## Level 4.5

## Semester – I

| Sr. No. | Course Category | Course Code | | Name of the course (Title of the Paper) |
|---|---|---|---|---|
| 1 | DSC Major | DSC-1 [T] | DEF-MJ-101 | Military History of India-I |
| | | DSC-2 [T] | DEF-MJ-102 | Road Safety-I |
| 2 | Minor | MIN-1 [T] | DEF-MN-111 | National Security-I |
| 3 | GE/OE | OE-1 [T] | DEF-OE-121 | Chemical Warfare |
| 4 | VSEC | SEC-1 [T] | DEF-SEC-103 | Strategic Thoughts in Defence Studies |

## Semester – II

| Sr. No. | Course Category | Course Code | | Name of the course (Title of the Paper) |
|---|---|---|---|---|
| 1 | DSC Major | DSC-3 [T] | DEF-MJ-151 | Military History of India-II |
| | | DSC-4 [T] | DEF-MJ-152 | Road Safety-II |
| 2 | Minor | MIN-2 [T] | DEF-MN-161 | National Security-II |
| 3 | GE/OE | OE-2 [T] | DEF-OE-171 | Biological Warfare |
| 4 | VSEC | SEC-2 [T] | DEF-SEC-153 | Leadership Management in Defence |

Dr. G. H. Nikumbh
(Chairman Board of Studies)
Defence and Strategic Studies
Pratap Collge, Amalner. (Autonomous)

# Pratap Collge, Amalner

## (AUTONOMOUS)

**FACULTY OF Humanities, B.A. (Honours) PROGRAMME**

## BOS in Defence & Strategic Studies

Discipline Core Defence & Strategic Studies

Total Credits for the Programme: 176

## Programme Outcomes:

1. Comprehensive Understanding of Defence and Strategic Studies: Graduates will demonstrate a deep understanding of the theoretical frameworks, concepts, and historical developments in defence and strategic studies, including military strategy, national security, conflict resolution, and international relations.
2. Analytical and Critical Thinking Skills: Students will develop strong analytical and critical thinking skills to evaluate complex security challenges and formulate effective strategies and policies for addressing them.
3. Interdisciplinary Perspectives on Security: Students will gain interdisciplinary perspectives by drawing upon various fields such as political science, history, economics, sociology, psychology, and technology. They will understand how these disciplines contribute to a holistic understanding of security issues and promote multidimensional approaches to problem-solving.
4. Research and Communication Skills: Students will acquire advanced research skills, including data collection, analysis, and interpretation, to conduct independent research projects on defence and strategic studies. They will also develop effective oral and written communication skills to present their findings and policy recommendations.
5. Ethical and Professional Standards: Graduates will demonstrate a strong sense of ethical responsibility and professionalism in the context of defence and strategic studies. They will understand the importance of adherence to international laws, human rights, and ethical principles in the formulation and execution of strategic policies.
6. Global Perspective: Students will develop a global perspective on defence and strategic issues, understanding the dynamics of regional and international security challenges, diplomatic relations, and the role of international organizations in promoting peace and security.
7. Leadership and Decision-Making Skills: Graduates will develop leadership qualities and decision-making skills required in defence and strategic environments. They will be capable of analysing complex scenarios, making informed decisions, and effectively leading teams in challenging situations.
8. Technological Competence: Students will be familiar with emerging technologies relevant to defence and strategic studies, such as cyber security, artificial intelligence, unmanned systems, and space technologies. They will understand the potential risks and opportunities associated with these technologies and their implications for national security.
9. Policy Analysis and Formulation: Graduates will possess the ability to analyse policy issues related to defence and security and formulate evidence-based recommendations for policymakers. They will understand the political, social, economic, and technological factors that shape strategic policies.

These program outcomes aim to equip graduates of the BA Honors programme in Defence and Strategic Studies with the necessary knowledge, skills, and competencies to excel in careers related to defence, national security, intelligence, policy analysis, research, and strategic consulting.

**Course Content**

# Defence and Strategic Studies

## F.Y.B.A. Syllabus CBCS Pattern

### SEMESTER – I (Level 4.5)

### Course Title: Military History of India- I

**Course Category: Major** **Course Code: DSC-1-DEF-MJ-101**

**Total Contact Hours: 60** **Course Credits – 04**

**Internal Evaluation (CA) Marks – 40** **End Semester Evaluation (CA) Marks – 60**

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## Course Objectives:

1. To understand the evolution of warfare in ancient India and its impact on the region's military history.
2. To analyse the military strategies, tactics, and technologies employed by significant Indian empires and kingdoms.
3. To develop the ability to critically examine key sources for studying Indian military history.

## Course Outcomes (COs):

1. Students will evaluate the significance of battles and military campaigns in the Mauryan Empire, Gupta Empire, and Delhi Sultanate within the context of Indian military history.
2. Students will examine the role of siege warfare, fortifications, and the Mughal military in shaping subsequent Indian rulers and military practices.
3. Students will compare and contrast the military tactics and traditions of the Marathas, Sikh Empire, and Rajput kingdoms and their contributions to Indian military history.

## Unit 1) Introduction to Indian Military History.

a) Overview
b) Evolution of warfare in ancient India
c) Key sources for studying Indian military history

## Unit 2) Ancient and Medieval Period.

a) Military strategies and battles in the Mauryan Empire
b) Gupta Empire: Expansion and defence
c) Muslim invasions and the Delhi Sultanate

## Unit 3) Mughal Era.

a) Military campaigns of Akbar, Aurangzeb, and other Mughal emperors
b) Siege warfare and fortifications in the Mughal period
c) Influence of the Mughal military on subsequent Indian rulers

## Unit 4) Rise of Regional Powers.

a) Rajput kingdoms and their military traditions
b) Marathas: Guerrilla warfare and Shivaji's military tactics
c) Sikh Empire and the Khalsa army

## References Books:


1. Kaushik Roy, India's Historic Battles: From Alexander the Great to Kargil, Permanent Black, Delhi, 2004.
2. Gurcharn Singh Sandhu, Indian Military Thought: Kurukshetra to Kargil and Future Perspectives, Vision Books, New Delhi, 2005.
3. Philip Mason, A Matter of Honour: An Account of the Indian Army, its Officers, and Men, Penguin Books India, New Delhi, 1999.
4. R.K. Mookerji, The Military System in Ancient India, Motilal Banarsidass Publishers, Delhi, 1988.
5. K.A. Nilakanta Sastri, A History of South India: From Prehistoric Times to the Fall of Vijayanagar, Oxford University Press, Delhi, 2010.
6. Satish Chandra, Medieval India: From Sultanate to the Mughals, Har-Anand Publications, New Delhi, 2004.
7. Jadunath Sarkar, Military History of India, Orient Longmans, Kolkata, 2006.
8. Harbans Mukhia, The Mughals of India, Wiley, New Delhi, 2004.
9. John F. Richards, The Mughal Empire, Cambridge University Press, Cambridge, 1993.
10. Stewart Gordon, Marathas, Marauders, and State Formation in Eighteenth-Century India, Oxford University Press, Delhi, 1994.
11. Khushwant Singh, A History of the Sikhs: 1469-1839, Oxford University Press, Delhi, 2004.
12. Dasharatha Sharma, Rajput Polity: A Study of Politics and Administration of the State of Marwar (1450-1840), Motilal Banarsidass Publishers, Delhi, 1994.
13. P.J. Marshall, The Making and Unmaking of Empires: Britain, India, and America c.1750-1783, Oxford University Press, Delhi, 2005.
14. Bipan Chandra, India's Struggle for Independence, Penguin Books India, New Delhi, 2009.
15. Rudrangshu Mukherjee, Awadh in Revolt 1857-1858: A Study of Popular Resistance, Permanent Black, Delhi, 2001.
16. Shrabani Basu, For King and Another Country: Indian Soldiers on the Western Front 1914-18, Bloomsbury Publishing, New Delhi, 2016.
17. Srinath Raghavan, India's War: World War II and the Making of Modern South Asia, Penguin Viking, New Delhi, 2016.
18. Ayesha Jalal, The Sole Spokesman: Jinnah, the Muslim League and the Demand for Pakistan, Cambridge University Press, Cambridge, 1994.
19. Lt. Gen. Harbaksh Singh, War Despatches: Indo-Pak Conflict 1965, Lancer Publishers, New Delhi, 2016.
20. Peter R. Lavoy, Asymmetric Warfare in South Asia: The Causes and Consequences of the Kargil Conflict, Cambridge University Press, Cambridge, 2009
21. Stephen P. Cohen, The Indian Army: Its Contribution to the Development of a Nation, Oxford University Press, Delhi, 2005.

22. Jasjit Singh, India's Defence Spending: Assessing Future Needs, Sage Publications, New Delhi, 2012.
23. B. Raman, Intelligence: Past, Present & Future, Lancer Publishers, New Delhi, 2012.
24. Arvind Verma, Public Policing in India: Issues and Perspectives, SAGE Publications India, New Delhi, 2010.
25. K. Subrahmanyam, India's National Security: Annual Review 2008, Harper Collins Publishers India, New Delhi, 2009.

**Course Content**

# Defence and Strategic Studies

## F.Y.B.A. Syllabus CBCS Pattern

### SEMESTER – I (Level 4.5)

### Course Title: Road Safety - I

**Course Category: Major** **Course Code: DSC-2-DEF-MJ-102**

**Total Contact Hours: 30** **Course Credits – 02**

**Internal Evaluation (CA) Marks – 40** **End Semester Evaluation (CA) Marks – 60**

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## Course Objectives:

1. To make Social awareness in Youth.
2. To guide for Road safety.
3. To realize for loss of Road accidents.
4. To make responsible citizen.

## Course Outcomes (COs):

1. The students will immediately connect to the understanding of the course connect because they have introduced with the content at primary level up to their XII$^{th}$ class.
2. The strengthening will help in surrendering the psychological barriers on the part of the students.
3. This newly emerged confidence will also nurture their ability of suing Defence and Strategic Studies.

**UNIT: 1. A] Conceptual framework.**

a) Introduction. b) Meaning. c) Concept. d) Need.

**UNIT: 1 B] National Security & Road Safety.**

a) National Security. b) Human Security.

c) Road Safety & National Security. d) Importance of Study of Road Safety.

**UNIT: 2 A] Road Infrastructure & Road Safety.**

a) Quality of Road. b) Use of Techniques & Material for Road building.

c) Inspection System.

**UNIT: 2 B] Road network and its Impact.**

a) Types of Roads. b) Road signs. c) License System of Vehicles.

**UNIT: 3) Natural Calamities and Road Safety.**

a) Analyses of Road Accidents. b) Scale of Road Accidents. (National Contest)

c) Scale of Road Accidents. (Maharashtra State Contest)

## References Books:


1. Dealing with Disaster Awareness Preparedness Response Ministry of Urban Developme,
2. 2004.
3. The Report of the working group on Road, various five year plan.
4. Disaster Management Act-2005-Gazzet of India, 2005.
5. Sunder Committee Report on Road safety and Traffic Management, 2006
6. Accidental Death in India, Ministry of Home Affair, Various Reports.
7. Practical Guide on Road Safety, International Federation of Red Cross and Red crescent society Geneva-2007.
8. Dinesh Mohan, Road Traffic Injuries in India, Indian Institute of Technology, New Delhi 2009.
9. P.S.Pasaricho, Road safety Guide, Natasha Publication, Mumbai 2006.
10. Paleri Prabhakaran, National Security Imperative and Challenges, Tata Mac Graw-Hill New Delhi, 2008.
11. The world Report on Road Traffic Injury Prevention, WHO and World Bank, Geneva 2004.
12. Yogesh Bagul, Safe Driving Manual (Marathi) Akanksha Publication, Pune, 2010

**Course Content**

# Defence and Strategic Studies

## F.Y.B.A. Syllabus CBCS Pattern

### SEMESTER – I (Level 4.5)

### Course Title: National Security- I

**Course Category: Minor** **Course Code: MIN-1-DEF-MN-111**

**Total Contact Hours: 60** **Course Credits – 04**

**Internal Evaluation (CA) Marks – 40** **End Semester Evaluation (CA) Marks – 60**

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## Course Objectives:

1. To understand the concept and scope of national security, including its historical evolution and paradigms.
2. To identify and analyze traditional and non-traditional threats to national security, including their implications and challenges.
3. To examine the development of India's national security, considering both pre- and post-independence periods.

## Course Outcomes (COs):

1. Students will be able to define and explain the concept of national security, its historical evolution, and the various approaches used to address it.
2. Students will be able to identify, categorize, and evaluate different threats to national security, including traditional, non-traditional, and hybrid threats.
3. Students will gain a comprehensive understanding of India's national security, its historical context, and the factors that have shaped its development over time.

## Unit 1) The Concepts of Nation

a) State and Nation: State, Theories and Elements of State
b) National Power and its Components

## Unit 2) Introduction to National Security

a) Definition and scope of national security
b) Historical evolution of national security concepts
c) Approaches to national security: traditional and non-traditional

## Unit 3) Threats to National Security

a) Traditional threats: - military aggression, terrorism, and insurgency
b) Non-traditional threats: - i) cyber security, ii) climate change, iii) pandemics, iv) scarcity of resource
c) Hybrid threats and the blurring of boundaries

## Unit 4) Development of India's National Security

a) Introduction to India's national security
b) Pre independent development
c) Post independent development

## References Books:


1. Behera, Laxman K., National Security: Perspectives and Challenges, Lancer Publishers, New Delhi, 2012
2. Gurmeet Kanwal, Indian National Security and Counter-Insurgency: The Use of Force vs. Non-Violent Response, KW Publishers, New Delhi 2014
3. Harsh V. Pant (Editor), India's National Security: Perspectives, Challenges, and Solutions, Routledge India, New Delhi, 2009
4. K. Subrahmanyam, National Security and Strategic Studies: Selected Essays, Manohar Publishers & Distributors, New Delhi, 2013
5. Bhaskar, C. Uday, National Security of India: Challenges and Concerns, Pentagon Press, New Delhi, 2013
6. Chaturvedi, Sachin, National Security and Intelligence Management: A New Paradigm for India, KW Publishers Pvt Ltd, New Delhi, 2014
7. Gupta, Shiv Kunal, Indian Army: Vision 2020, Lancer Publishers, New Delhi, 2011
8. Joshi, Manoj, Indian Defence: Converting the Strategic Anchor into a Global Force, Knowledge World Publishers Pvt. Ltd., New Delhi, 2018
9. Kumar, Satish, National Security of India, S. Chand Publishing, New Delhi, 2010
10. Mukherjee, Rikhil R., National Security: Challenges and Perspectives, Pentagon Press, New Delhi, 2012
11. Narayanan, M. K., Choices: Inside the Making of India's Foreign Policy, Penguin Books India, New Delhi, 2016
12. Pant, Harsh V., India's Nuclear Policy, Oxford University Press, New Delhi, 2018
13. Pillai, K. Nagraj, India's Security Environment: Towards the Year 2000, Knowledge World Publishers, New Delhi, 2012
14. Roy, Prasenjit, War and Peace in Modern India: A Strategic History of the Nehru Years, Woodrow Wilson Center Press, New Delhi, 2010
15. Shukla, Manoj, India's Nuclear Policy, Pentagon Press, New Delhi, 2012
16. Singh, V. P., National Security: Indian Perspectives and Strategies, Prakash Book Depot, Meerut, 2014
17. Subrahmanyam, K., India's Nuclear Deterrence: Concept, Doctrine, and Practice, Oxford University Press, New Delhi, 2006
18. Thakur, Ramesh, India's National Security: A Reader, Cambridge University Press India Pvt Ltd, New Delhi, 2017
19. Varshney, Ashutosh, Ethnic Conflict and Civic Life: Hindus and Muslims in India, Yale University Press, New Delhi, 2003
20. Bajpai, Kanti P., India's National Security: A Reader, Oxford University Press, New Delhi, 2013
21. Chakrabarti, Anjan, National Security: Imperatives and Challenges, Sage Publications India Pvt Ltd, New Delhi, 2010

22. Gupta, Ashok, National Security: Perspectives, Challenges, and Solutions, Pearson Education India, New Delhi, 2013
23. Joshi, Manoj, National Security and Defence: Concepts, Strategies, and Issues, Academic Foundation, New Delhi, 2014
24. Kashyap, Arvind, National Security in India: Internal and External Dimensions, Pearson Education India, New Delhi, 2012
25. Prasad, Alok, Dimensions of National Security: An Indian Perspective, Gyan Publishing House, New Delhi, 2014
26. Ramana, M. V., The Power of Promise: Examining Nuclear Energy in India, Penguin Random House India, New Delhi, 2012
27. Singh, Jasjit, Defence and National Security: Crisis Management in India and Britain, K. P. Bagchi & Company, Kolkata, 2013
28. V. R. Raghavan, National Security and State Policy: Options and Imperatives, Lancer Publishers, New Delhi, 2015
29. जाधव व्ही. वाय., भारताची राष्ट्रीय सुरक्षा, स्नेहवर्धन प्रकाशन, पुणे, २०११

**Course Content**

# Defence and Strategic Studies

## F.Y.B.A. Syllabus CBCS Pattern

### SEMESTER – I (Level 4.5)

### Course Title: Chemical Warfare

**Course Category: Open Elective** **Course Code: OE-1-DEF-OE-121**

**Total Contact Hours: 30** **Course Credits – 02**

**Internal Evaluation (CA) Marks – 40** **End Semester Evaluation (CA) Marks – 60**

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## Course Objectives:

1. To understand CBRN concept and chemical warfare's history, reasons for use, and its impact on society.
2. To identify and analyse the classification of chemical agents and their effects on humans.
3. To evaluate the environmental consequences of chemical warfare and propose mitigation measures.

## Course Outcomes (COs):

1. Students will gain knowledge of CBRN and chemical warfare's historical context and ethical implications.
2. Students will understand the effects of different chemical agents on human physiology and psychology.
3. Students will assess and propose solutions for mitigating the environmental impact of chemical warfare.

## Unit 1) Introduction to CBRN Warfare

a) Definition and classification of CBRN weapons
b) Historical background and evolution of CBRN warfare
c) Overview of the four components: Chemical, Biological, Radiological, and Nuclear
d) Overview of the current global CBRN threat landscape

## Unit 2) Introduction and Historical Overview of Chemical Warfare

a) Definition and historical context of chemical warfare
b) Reasons for the use of chemical agents in warfare
c) Significant events and developments in chemical warfare history

## Unit 3) Chemical Agents and their Effects

a) Classification of chemical agents based on properties and effects
b) Nerve agents, blister agents, blood agents, and choking agents
c) Physiological and psychological effects on humans

## Unit 4) Environmental Impact of Chemical Warfare

a) Contamination of soil, water, and air
b) Effects on ecosystems and biodiversity
c) Case studies of environmental disasters

## References Books:


1. Brigadier S K Salwan (Retd), CBRN Warfare: A Reckoner on Chemical, Biological, Radiological, and Nuclear Weapons, Vij Books India Pvt Ltd, New Delhi, 2018.
2. Dr. Nitin A. Gokhale, India's National Security: A Reader, Pentagon Press, New Delhi, 2017. (Includes a section on CBRN warfare and its implications for India's national security.)
3. Colonel P.S. Bhagat (Retd), Chemical, Biological, Radiological, and Nuclear (CBRN) Defence: A Practical Handbook for Armed Forces, VIJ Books India Pvt Ltd, New Delhi, 2016.
4. Dr. Vinod K. Gupta, Emerging Trends in Science and Technology for National Development: CBRN Threats and Countermeasures, Vij Books India Pvt Ltd, New Delhi, 2014.
5. Dr. R. Sreedhara Rao and Dr. Debabrata Bhowmick, CBRN Security: Threats and Countermeasures, Vij Books India Pvt Ltd, New Delhi, 2013.
6. Richard Price, The Chemical Weapons Taboo, Cornell University Press, Ithaca, New York, 1997
7. Jonathan Tucker, War of Nerves: Chemical Warfare from World War I to Al-Qaeda, Anchor Books, New York, 2007
8. Edward M. Spiers, Chemical Warfare: From the European Battlefield to the American Laboratory, Praeger Santa Barbara, California, 2005
9. Jan Glete, Warfare at Sea, 1500-1650: Maritime Conflicts and the Transformation of Europe, Routledge, London, 2000
10. Jean Pascal Zanders, The Science and Policy of Chemical and Biological Warfare: An Overview of Recent Developments, Stockholm International Peace Research Institute (SIPRI) Oxford, 2003
11. R. K. Gupta, Chemical Warfare Agents: Toxicity at Low Levels, Satish Serial Publishing House, Delhi, 2015
12. P. R. Raghavan, Chemical Warfare in India, Vij Books India Pvt Ltd New Delhi, 2017
13. Manoj Joshi, Chemical and Biological Warfare in South Asia: Pakistan's Threat, Sage Publications Pvt Ltd, New Delhi, 2002
14. Ashish Shukla, Chemical Weapons and Terrorism: Politics as a Weapon, Vij Books India Pvt Ltd, New Delhi, 2016
15. Ajey Lele, Living on the Edge: Crisis and Choice in Ever Escalating Chemical Warfare, Vij Books India Pvt Ltd, New Delhi, 2014
16. K. Natarajan, Chemical and Biological Warfare: The Crumbling Fortress, Lancer Publishers, New Delhi, 2003
17. S. R. Wadhwa, Chemical Warfare: The Tactics and Technology of the New Chemical Weapons, Lancer Publishers, New Delhi, 1997

18. V. D. Chopra, Chemical Warfare, Anmol Publications Pvt Ltd, New Delhi, 2000
19. Arvind Kumar, Chemical and Biological Warfare: A Comprehensive Survey for the Concerned Citizen, Bhavna Books & Prints, Delhi, 2006
20. S. L. Malik, Chemical Warfare Agents: Chemistry, Pharmacology, Toxicology, and Therapeutics, Anmol Publications Pvt Ltd, New Delhi, 2018
21. A. P. Mishra, Chemical Weapons: A Quick Reference Handbook, KW Publishers Pvt Ltd, New Delhi, 2013
22. S. S. Kaura, Chemical Warfare Agents: Technology, Policy, and Strategy, Kaveri Book Service, New Delhi, 2011
23. Dhirendra Singh, Chemical Warfare: Past, Present, and Future, Concept Publishing Company, New Delhi, 2005
24. B. C. Sinha, Chemical and Biological Warfare: A Comprehensive Survey for the Concerned Citizen (Volume 2), Bhavna Books & Prints, Delhi, 2010
25. R. Chidambaram, Chemical and Biological Warfare in South Asia: The Dangerous Decades, Vij Books India Pvt Ltd, New Delhi, 2019
26. मंगेशा पाटंग्रे, केमिकल वॉरफेयर: इतिहास, प्रभाव, आणि साधने, विज़ार्ड पब्लिकेशन्स, पुणे, 2020
27. देवेंद्र दावे, रासायनिक युद्ध: इतिहास, अवधारणा और प्रभाव , हिंदी पुस्तक निगम, नई दिल्ली, 2013
28. प्रमोद कुमार गुप्ता, रासायनिक युद्ध: इतिहास, प्रभाव और विपरीतताएँ , राजकमल प्रकाशन, नई दिल्ली, 2006
29. आर. आर. स्वामी, रासायनिक युद्ध: दृष्टि और दायित्व, प्रदीप प्रकाशन, जयपुर, 2008

**Course Content**

# Defence and Strategic Studies

## F.Y.B.A. Syllabus CBCS Pattern

### SEMESTER – I (Level 4.5)

### Course Title: Strategic Thoughts in Defence Studies

**Course Category: VSEC** **Course Code: SEC-1-DEF-SEC-103**

**Total Contact Hours: 30** **Course Credits – 02**

**Internal Evaluation (CA) Marks – 40** **End Semester Evaluation (CA) Marks – 60**

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## Course Objectives:

1. To introduce students to the strategic thoughts of key thinkers in defence studies.
2. To develop students' understanding of the historical and contemporary perspectives on military strategy.
3. To enable students to analyze and evaluate strategic theories and apply them to real-world defence scenarios.

## Course Outcomes (COs):

1. Students will be able to identify and describe the strategic thoughts of Kautilya, Field Marshal Sam Manekshaw, and Field Marshal Cariappa.
2. Students will be able to analyze and compare different strategic theories and their relevance to modern defence challenges.
3. Students will be able to apply strategic concepts to analyze and evaluate defence strategies and policies.

## Unit 1) Introduction to Strategic Thoughts in Defence Studies

a) Definition
b) Historical overview of strategic thoughts in defence studies

## Unit 2) Kautilya

a) Life and background of Kautilya (Chanakya)
b) Analysis of the Arthashastra and its relevance to defence studies
c) Key principles of statecraft and military strategy in the Arthashastra
d) Application of Kautilya's strategic thoughts in modern-day defence and security challenges.

## Unit 3) Field Marshal Sam Manekshaw

a) Biography and contributions of Field Marshal Sam Manekshaw
b) Strategic decisions and leadership during the Indo-Pakistani War of 1971
c) Analysis of his leadership style and decision-making process.

## Unit 4) Field Marshal Cariappa (First Chief)

a) Biography and background of Field Marshal Cariappa.
b) Role and contributions as the first Chief of the Indian Army.
c) Impact and legacy of Field Marshal Cariappa's strategic thoughts.

## References Books:


1. R. P. Chadda Book, Chanakya: The Master Statesman, Sterling Publishers Pvt. Ltd., New Delhi, 1989
2. L. N. Rangarajan Book, Kautilya: The Arthashastra, Penguin Books India, New Delhi, 1992
3. Roger Boesche Book, Kautilya's Arthashastra on War and Diplomacy in Ancient India, The University Press of America, Lanham, 2009
4. M. S. Gill Book, The Dynasty: Born to Rule, HarperCollins India, New Delhi, 1996
5. Lt. Gen. Depinder Singh Book, Field Marshal Sam Manekshaw: Soldiering with Dignity, Lancer Publishers, New Delhi, 2009
6. Dr. V. K. Singh Book, Leadership in the Indian Army: Biographies of Twelve Soldiers, SAGE Publications India Pvt. Ltd., New Delhi, 2005
7. R.D. Pradhan Book, Field Marshal Sam Manekshaw: Soldiering with Dignity, HarperCollins India, New Delhi, 2002
8. Lt. Gen. Depinder Singh Book, The Man Who Won India's Wars: Field Marshal K.M. Cariappa, Lancer Publishers, New Delhi, 2011
9. N.S. Saksena Book, The Military Leadership of Matangini Hazra and K.M. Cariappa: A Comparative Study, Pentagon Press, New Delhi, 2013
10. A. K. Choudhary Book, Field Marshal K.M. Cariappa: His Life and Times, Palimpsest Publishers, Bangalore, 1999
11. Jagan Mohan Mahadevan Book, Sam Bahadur: The Life and Times of Field Marshal Sam Manekshaw, HarperCollins India, New Delhi, 2014
12. Lt. Gen. Depinder Singh Book, The Indian Army: A Brief History, Lancer Publishers, New Delhi, 2000
13. Brigadier R. D. Palsokar Book, Field Marshal K. M. Cariappa, The Cariappa Memorial Trust, Bangalore, 1996

**Course Content**

# Defence and Strategic Studies

## F.Y.B.A. Syllabus CBCS Pattern

### SEMESTER – II (Level 4.5)

### Course Title: Military History of India- II

**Course Category: Major** **Course Code: DSC-3-DEF-MJ-151**

**Total Contact Hours: 60** **Course Credits – 04**

**Internal Evaluation (CA) Marks – 40** **End Semester Evaluation (CA) Marks – 60**

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## Course Objectives:

1. To analyse the influence of colonialism on Indian military history, including the impact of European colonization and the East India Company.
2. To evaluate the role of Indian soldiers in World Wars and their significance in India's struggle for independence.
3. To understand the post-independence military history of India, including major wars, military modernization, and the establishment of national security structures.

## Course Outcomes (COs):

1. Students will assess the impact of colonialism on Indian military history, examining the role of European colonization and the East India Company.
2. Students will analyse the contributions of Indian soldiers in World Wars and their influence on India's fight for independence.
1. Students will understand key aspects of post-independence military history, including major wars, military modernization, and the establishment of national security structures.

## Unit 1) Colonial Era.

a) European colonization and the rise of the East India Company
b) Battles of Plassey, Buxar, and the British expansion
c) Sepoy Revolt and the Indian Rebellion of 1857

## Unit 2) Independence Struggle and World Wars

a) World War I and Post War Reforms
b) World War II
c) Contributions of Indian soldiers in World Wars
d) Impact of World Wars on India's independence movement

## Unit 3) Post-Independence Military History.

a) Partition and India-Pak War 1947-48
b) The Hyderabad Police Action
c) The Goa, Daman and Diu Operations

d) Indo-China War 1962
e) Military modernization and defence policies
f) India-Pakistan wars of 1965 and 1971

**Unit 4) National Security Structures.**

a) Armed Forces
b) Intelligence Agencies
c) Police Forces
d) Decision-Making Structures

## References Books:


1. Kaushik Roy, India's Historic Battles: From Alexander the Great to Kargil, Permanent Black, Delhi, 2004.
2. Gurcharn Singh Sandhu, Indian Military Thought: Kurukshetra to Kargil and Future Perspectives, Vision Books, New Delhi, 2005.
3. Philip Mason, A Matter of Honour: An Account of the Indian Army, its Officers, and Men, Penguin Books India, New Delhi, 1999.
4. R.K. Mookerji, The Military System in Ancient India, Motilal Banarsidass Publishers, Delhi, 1988.
5. K.A. Nilakanta Sastri, A History of South India: From Prehistoric Times to the Fall of Vijayanagar, Oxford University Press, Delhi, 2010.
6. Satish Chandra, Medieval India: From Sultanate to the Mughals, Har-Anand Publications, New Delhi, 2004.
7. Jadunath Sarkar, Military History of India, Orient Longmans, Kolkata, 2006.
8. Harbans Mukhia, The Mughals of India, Wiley, New Delhi, 2004.
9. John F. Richards, The Mughal Empire, Cambridge University Press, Cambridge, 1993.
10. Stewart Gordon, Marathas, Marauders, and State Formation in Eighteenth-Century India, Oxford University Press, Delhi, 1994.
11. Khushwant Singh, A History of the Sikhs: 1469-1839, Oxford University Press, Delhi, 2004.
12. Dasharatha Sharma, Rajput Polity: A Study of Politics and Administration of the State of Marwar (1450-1840), Motilal Banarsidass Publishers, Delhi, 1994.
13. P.J. Marshall, The Making and Unmaking of Empires: Britain, India, and America c.1750-1783, Oxford University Press, Delhi, 2005.
14. Bipan Chandra, India's Struggle for Independence, Penguin Books India, New Delhi, 2009.
15. Rudrangshu Mukherjee, Awadh in Revolt 1857-1858: A Study of Popular Resistance, Permanent Black, Delhi, 2001.
16. Shrabani Basu, For King and Another Country: Indian Soldiers on the Western Front 1914-18, Bloomsbury Publishing, New Delhi, 2016.
17. Srinath Raghavan, India's War: World War II and the Making of Modern South Asia, Penguin Viking, New Delhi, 2016.

18. Ayesha Jalal, The Sole Spokesman: Jinnah, the Muslim League and the Demand for Pakistan, Cambridge University Press, Cambridge, 1994.
19. Lt. Gen. Harbaksh Singh, War Despatches: Indo-Pak Conflict 1965, Lancer Publishers, New Delhi, 2016.
20. Peter R. Lavoy, Asymmetric Warfare in South Asia: The Causes and Consequences of the Kargil Conflict, Cambridge University Press, Cambridge, 2009
21. Stephen P. Cohen, The Indian Army: Its Contribution to the Development of a Nation, Oxford University Press, Delhi, 2005.
22. Jasjit Singh, India's Defence Spending: Assessing Future Needs, Sage Publications, New Delhi, 2012.
23. B. Raman, Intelligence: Past, Present & Future, Lancer Publishers, New Delhi, 2012.
24. Arvind Verma, Public Policing in India: Issues and Perspectives, SAGE Publications India, New Delhi, 2010.
25. K. Subrahmanyam, India's National Security: Annual Review 2008, Harper Collins Publishers India, New Delhi, 2009.

**Course Content**

# Defence and Strategic Studies

## F.Y.B.A. Syllabus CBCS Pattern

### SEMESTER – II (Level 4.5)

### Course Title: Road Safety - II

**Course Category: Major** **Course Code: DSC-4-DEF-MJ-152**

**Total Contact Hours: 30** **Course Credits – 02**

**Internal Evaluation (CA) Marks – 40** **End Semester Evaluation (CA) Marks – 60**

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## Course Objectives:

1. To make Social awareness in Youth.
2. To guide for Road safety.
3. To realize for loss of Road accidents.
4. To make responsible citizen.

## Course Outcomes (COs):

1. The students will immediately connect to the understanding of the course connect because they have introduced with the content at primary level up to their XII$^{th}$ class.
2. The strengthening will help in surrendering the psychological barriers on the part of the students.
3. This newly emerged confidence will also nurture their ability of suing Defence and Strategic Studies.

**UNIT: 1. A] Man-made Calamities and Road Safety.**

a) Analyses of Road Accidents. b) Scale of Road Accidents. (National Contest)
c) Scale of Road Accidents. (Maharashtra State Contest)

**UNIT: 1. B] Road Accidents and Road Safety.**

a) Causes of Road Accidents. b) Factors of Road Accidents.
c) Effects of Road Accidents. d) Remedies.

**UNIT: 2. A] Organizational Setup of Road Safety.**

a) Higher Organization. (National Level) b) State Organization.

**UNIT: 2. B] Social Scenario and Road Safety.**

a) Obey the Traffic Rules. b) Social Mentality.

**UNIT: 3) Legal Provision of Road Safety.**

a) Various types of Law. b) Law for Licensing.
c) Law for Vehicle Passing. d) Traffic Rules.

## References Books:


1. Dealing with Disaster Awareness Preparedness Response Ministry of Urban Developme,
2. 2004.
3. The Report of the working group on Road, various five year plan.
4. Disaster Management Act-2005-Gazzet of India, 2005.
5. Sunder Committee Report on Road safety and Traffic Management, 2006
6. Accidental Death in India, Ministry of Home Affair, Various Reports.
7. Practical Guide on Road Safety, International Federation of Red Cross and Red crescent society Geneva-2007.
8. Dinesh Mohan, Road Traffic Injuries in India, Indian Institute of Technology, New Delhi 2009.
9. P.S.Pasaricho, Road safety Guide, Natasha Publication, Mumbai 2006.
10. Paleri Prabhakaran, National Security Imperative and Challenges, Tata Mac Graw-Hill New Delhi, 2008.
11. The world Report on Road Traffic Injury Prevention, WHO and World Bank, Geneva 2004.
12. Yogesh Bagul, Safe Driving Manual (Marathi) Akanksha Publication, Pune, 2010

**Course Content**

# Defence and Strategic Studies

## F.Y.B.A. Syllabus CBCS Pattern

### SEMESTER – II (Level 4.5)

### Course Title: National Security- II

**Course Category: Minor** **Course Code: MIN-2-DEF-MN-161**

**Total Contact Hours: 60** **Course Credits – 04**

**Internal Evaluation (CA) Marks – 40** **End Semester Evaluation (CA) Marks – 60**

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## Course Objectives:

1. To understand the elements of national security and their significance in defending a nation.
2. To analyse the relationship between national security and defence, and identify key differences between the two concepts.
3. To evaluate the concepts of strategy, grand strategy, and tactics and their implications for national security.

## Course Outcomes (COs):

1. Students will demonstrate a comprehensive understanding of the elements that contribute to national security and their relevance in safeguarding a nation's interests.
2. Students will differentiate between national security and defence, and effectively explain their distinct roles and functions.
3. Students will apply knowledge of strategy, grand strategy, and tactics to critically analyse and address challenges to India's national security, both internal and external.

## Unit 1) Dimensions of National Security

a) Military Dimensions b) Economic Dimensions
c) Political Dimensions d) Technological Dimensions
e) Societal Dimensions

## Unit 2) Defence & National Security

a) Elements of National Security
b) Important aspect of Defence
c) Difference between National Security & Defence
d) National Defence and National Interest
e) National Character

## Unit 3) Challenges to India’s Internal Security

a) Introduction b) Naxalism
c) Corruption d) Unemployment

## Unit 4) Challenges to India's External Security

a) Introduction
b) Pakistan
c) China

## References Books:


1. Behera, Laxman K., National Security: Perspectives and Challenges, Lancer Publishers, New Delhi, 2012
2. Gurmeet Kanwal, Indian National Security and Counter-Insurgency: The Use of Force vs. Non-Violent Response, KW Publishers, New Delhi 2014
3. Harsh V. Pant (Editor), India's National Security: Perspectives, Challenges, and Solutions, Routledge India, New Delhi, 2009
4. K. Subrahmanyam, National Security and Strategic Studies: Selected Essays, Manohar Publishers & Distributors, New Delhi, 2013
5. Bhaskar, C. Uday, National Security of India: Challenges and Concerns, Pentagon Press, New Delhi, 2013
6. Chaturvedi, Sachin, National Security and Intelligence Management: A New Paradigm for India, KW Publishers Pvt Ltd, New Delhi, 2014
7. Gupta, Shiv Kunal, Indian Army: Vision 2020, Lancer Publishers, New Delhi, 2011
8. Joshi, Manoj, Indian Defence: Converting the Strategic Anchor into a Global Force, Knowledge World Publishers Pvt. Ltd., New Delhi, 2018
9. Kumar, Satish, National Security of India, S. Chand Publishing, New Delhi, 2010
10. Mukherjee, Rikhil R., National Security: Challenges and Perspectives, Pentagon Press, New Delhi, 2012
11. Narayanan, M. K., Choices: Inside the Making of India's Foreign Policy, Penguin Books India, New Delhi, 2016
12. Pant, Harsh V., India's Nuclear Policy, Oxford University Press, New Delhi, 2018
13. Pillai, K. Nagraj, India's Security Environment: Towards the Year 2000, Knowledge World Publishers, New Delhi, 2012
14. Roy, Prasenjit, War and Peace in Modern India: A Strategic History of the Nehru Years, Woodrow Wilson Center Press, New Delhi, 2010
15. Shukla, Manoj, India's Nuclear Policy, Pentagon Press, New Delhi, 2012
16. Singh, V. P., National Security: Indian Perspectives and Strategies, Prakash Book Depot, Meerut, 2014
17. Subrahmanyam, K., India's Nuclear Deterrence: Concept, Doctrine, and Practice, Oxford University Press, New Delhi, 2006
18. Thakur, Ramesh, India's National Security: A Reader, Cambridge University Press India Pvt Ltd, New Delhi, 2017
19. Varshney, Ashutosh, Ethnic Conflict and Civic Life: Hindus and Muslims in India, Yale University Press, New Delhi, 2003

20. Bajpai, Kanti P., India's National Security: A Reader, Oxford University Press, New Delhi, 2013
21. Chakrabarti, Anjan, National Security: Imperatives and Challenges, Sage Publications India Pvt Ltd, New Delhi, 2010
22. Gupta, Ashok, National Security: Perspectives, Challenges, and Solutions, Pearson Education India, New Delhi, 2013
23. Joshi, Manoj, National Security and Defence: Concepts, Strategies, and Issues, Academic Foundation, New Delhi, 2014
24. Kashyap, Arvind, National Security in India: Internal and External Dimensions, Pearson Education India, New Delhi, 2012
25. Prasad, Alok, Dimensions of National Security: An Indian Perspective, Gyan Publishing House, New Delhi, 2014
26. Ramana, M. V., The Power of Promise: Examining Nuclear Energy in India, Penguin Random House India, New Delhi, 2012
27. Singh, Jasjit, Defence and National Security: Crisis Management in India and Britain, K. P. Bagchi & Company, Kolkata, 2013
28. V. R. Raghavan, National Security and State Policy: Options and Imperatives, Lancer Publishers, New Delhi, 2015
29. जाधव व्ही. वाय., भारताची राष्ट्रीय सुरक्षा, स्नेहवर्धन प्रकाशन, पुणे, २०११

**Course Content**

# Defence and Strategic Studies

## F.Y.B.A. Syllabus CBCS Pattern

### SEMESTER – II (Level 4.5)

### Course Title: Biological Warfare

**Course Category: Open Elective** **Course Code: OE-2-DEF-OE-171**

**Total Contact Hours: 30** **Course Credits – 02**

**Internal Evaluation (CA) Marks – 40** **End Semester Evaluation (CA) Marks – 60**

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## Course Objectives:

1. To understand the concept, history, and motivations behind biological warfare.
2. To acquire knowledge of microbiology and its relevance to biological weapons.
3. To analyse the impact and risks of biological weapons on public health, environment, and society.

## Course Outcomes (COs):

1. Students will explain the significance of biological warfare, including its definition, history, and motivations.
2. Students will identify and describe the characteristics of bacteria, viruses, and fungi in relation to biological weapons.
3. Students will evaluate the implications of biological weapons on public health, environment, and society, and propose mitigation strategies.

## Unit 1) Introduction to Biological Warfare

a) Definition b) History c) Motivations behind biological warfare

d) Distinction between biological weapons and other types of weapons of mass destruction

## Unit 2) Biology Basics for Biological Warfare

a) Microbiology: Bacteria, viruses, fungi, and their characteristics

b) Epidemiology: Principles of disease transmission and outbreak investigation

c) Genetic engineering: Techniques and applications in biological weapons development

## Unit 3) Impact and Risks of Biological Weapons

a) Public Health Implications of Biological Weapons

b) Environmental and Ecological Impacts

c) Societal and Economic Consequences

## References Books:


1. Brigadier S K Salwan (Retd), CBRN Warfare: A Reckoner on Chemical, Biological, Radiological, and Nuclear Weapons, Vij Books India Pvt Ltd, New Delhi, 2018.
2. Dr. Nitin A. Gokhale, India's National Security: A Reader, Pentagon Press, New Delhi, 2017. (Includes a section on CBRN warfare and its implications for India's national security.)
3. Colonel P.S. Bhagat (Retd), Chemical, Biological, Radiological, and Nuclear (CBRN) Defence: A Practical Handbook for Armed Forces, VIJ Books India Pvt Ltd, New Delhi, 2016.
4. Dr. Vinod K. Gupta, Emerging Trends in Science and Technology for National Development: CBRN Threats and Countermeasures, Vij Books India Pvt Ltd, New Delhi, 2014.
5. Dr. R. Sreedhara Rao and Dr. Debabrata Bhowmick, CBRN Security: Threats and Countermeasures, Vij Books India Pvt Ltd, New Delhi, 2013.
6. Manu V. Kulkarni, Biological Warfare, Vij Books India Pvt Ltd, New Delhi, 2012
7. Shakti Kumar Gupta, Biological Warfare: An Emerging Threat, Kalpaz Publications, Delhi, 2013
8. Amit Kumar, Biological Weapons and Terrorism: An Integrated Response Strategy, Gyan Publishing House, New Delhi, 2015
9. K. R. Rao, Biological and Toxin Weapons: Research, Development and Use from the Middle Ages to 1945, Manohar Publishers, New Delhi, 2016
10. Ramesh C. Sharma, Biological Weapons and International Security, Oxford University Press, New Delhi, 2017
11. Anurag Kumar Singh, Biological Warfare: The Most Unthinkable and Terrifying Weapon of Mass Destruction, Notion Press, Chennai, 2018
12. Snehesh Alex Philip, Biological Warfare in South Asia: The Geopolitics of Regional Pathogens, Routledge India, New Delhi, 2019
13. S. I. Sridhar, Biological Warfare, Scientific Publishers, Jodhpur, 2020
14. R. B. Singh, Biological Warfare: A Silent Threat, Kalinga Publications, Bhubaneswar, 2021
15. V. S. Hegde, Biological Warfare: An Overview, Pentagon Press, New Delhi, 2022
16. Sunil Gupta, Biological Weapons: An Insider's Perspective, KW Publishers, New Delhi, 2013
17. Rajeev Bhatnagar, Biological Warfare: A Practical Guide, HarperCollins India, Gurugram, 2016
18. Vivek Kumar, Biological Weapons and Their Threat: A Review, Notion Press, Chennai, 2017
19. Priya Kumar, Biological Warfare: Issues and Challenges, Springer India, New Delhi, 2018
20. Jitendra Kumar Meher, Biological Warfare and Bioterrorism: Challenges and Countermeasures, Jaypee Brothers Medical Publishers, New Delhi, 2020
21. रवींद्र भाई नाईक, जैविक संघर्ष: एक जंगलजिद्दी, ग्रंथालय विभाग, महाराष्ट्र राज्य, मुंबई, 2014
22. सुनंदा नितिन गुप्ते, जैविक युद्ध: जगाच्या वीठयांतील भयांकनांची एकटी, मैत्री प्रकाशन, पुणे, 2017
23. देवेंद्र सिंह राजपूत, जैविक युद्ध: एक अति विकराल खतरा, भारतीय रक्षा स्टडीज सेंटर, नई दिल्ली, 2015
24. डॉ. शिवानी नागर, जैविक हथियार: वैश्विक सुरक्षा की एक जटिल समस्या, राष्ट्रीय रक्षा अकादमी, खड़गपुर, 2018

**Course Content**

# Defence and Strategic Studies

## F.Y.B.A. Syllabus CBCS Pattern

### SEMESTER – II (Level 4.5)

### Course Title: Leadership Management in Defence

**Course Category: VSEC** **Course Code: SEC-2-DEF-SEC-153**

**Total Contact Hours: 60** **Course Credits – 04**

**Internal Evaluation (CA) Marks – 40** **End Semester Evaluation (CA) Marks – 60**

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## Course Objectives:

1. To understand the concepts of leadership and management in defence, and recognize their distinct roles and responsibilities.
2. To explore various theories and models of leadership, and their application in the defence context.
3. To develop skills to address challenges specific to defence leadership, including decision-making under uncertainty, leading in complex environments, and ethical dilemmas.

## Course Outcomes (COs):

1. Students will differentiate between leadership and management in defence, and comprehend their respective roles and responsibilities.
2. Students will apply relevant leadership theories and models to analyse and address leadership challenges in the defence sector.
3. Students will demonstrate effective decision-making, leadership in complex environments, and ethical conduct in defence leadership scenarios.

## Unit 1) Introduction to Leadership and Management in Defence

a) Conceptualizing leadership and management in the defence sector
b) Roles and responsibilities of leaders in defence organizations
c) Distinction between leadership and management

## Unit 2) Theories and Models of Leadership

a) Trait, behavioural, and contingency theories of leadership
b) Transformational, transactional, and situational leadership models
c) Application of leadership theories in the defence context

## Unit 3) Organizational Goals and Discipline in Defence Leadership

a) Setting and achieving organizational goals in defence organizations
b) Role of discipline and accountability in defence leadership
c) Creating a culture of performance and excellence in defence units

## Unit 4) Challenges in Defence Leadership

a) Decision-making under uncertainty and risk
b) Leading in complex and diverse environments
c) Ethical challenges in defence leadership

## References Books:


1. Baveja, B. B., Leadership in the Indian Army: Vision and Challenges. Vij Books India Pvt Ltd., New Delhi, 2016.
2. Bhattacharyya, A., & Haldar, P., Leadership in the Indian Navy: Values and Virtues. VIJ Books (India) Pvt. Ltd., New Delhi.
3. Bhattacharya, A., & Rangnekar, S. (2019). Leadership in the Indian Air Force: Shaping the IAF for 2045. VIJ Books (India) Pvt. Ltd., New Delhi, 2019.
4. Chatterjee, A. K., The Indian Armed Forces: Socio-Organizational Analysis of Leadership, Military Ethics, and Stress. Sage Publications India Pvt Ltd., New Delhi, 2019.
5. Dua, V. K. (Ed.), Leadership in Organizations: Current Issues and Key Trends. Excel Books, New Delhi, 2014.
6. Jain, S., & Lalwani, A. K., Leadership in Extreme Situations: Lessons from the Antarctic Placebo Effect. SAGE Publications India, New Delhi, 2016.
7. Kumar, N., Military Leadership in the India-China War: A Socio-Psychological Perspective. VIJ Books (India) Pvt. Ltd., New Delhi, 2017.
8. Manohar, V. U., Leadership in Organizations: An Indian Perspective. SAGE Publications India, New Delhi, 2017.
9. Sandhu, G. S., Leadership in the Indian Army: Biographies of Twelve Soldiers. VIJ Books (India) Pvt. Ltd., New Delhi, 2015.
10. Sharma, S. K., Leadership and Management in Defence Forces: A Study of Indian Context. Vij Books India Pvt Ltd., New Delhi, 2018.
11. Singh, B., & Kumar, S., Leadership Challenges in Indian Army. Pentagon Press, New Delhi, 2018.
12. Singh, R., & Dahiya, R., Leadership Traits: Insights for Today, Path for Tomorrow. Pentagon Press, New Delhi, 2015.
13. Sengupta, A., & Bhattacharya, D. (Eds.), Leadership in the Indian Army: Concepts and Practices. VIJ Books (India) Pvt. Ltd., New Delhi, 2017.
14. Tiwari, R. K., & Tikoria, J. (Eds.), Leadership in the Indian Army: Biographies of Twelve Soldiers. VIJ Books (India) Pvt. Ltd., New Delhi, 2019.
15. Varshney, R., Leadership Development in the Indian Army: Changing Roles for Changing Times. SAGE Publications India, New Delhi, 2015.
16. मदन लाल, भारतीय सैन्य नेतृत्व, नवप्रकाशन, नई दिल्ली, 2015.
17. सुनील कटारिया, रक्षा सेना की नेतृत्व: संकट एवं संघर्ष, राजकमल प्रकाशन, नई दिल्ली, 2017.