



Date :- 01/08/2023

NOTIFICATION

Sub :- CBCS Syllabi of B. A. in Defense and Strategic Studies (Sem. I & II)

Ref. :- Decision of the Academic Council at its meeting held on 26/07/2023.

The Syllabi of B. A. in Defense and Strategic Studies (First and Second Semesters) as per **NATIONAL EDUCATION POLICY - 2020** and approved by the Academic Council as referred above are hereby notified for implementation with effect from the academic year 2023-24.

Copy of the Syllabi Shall be downloaded from the College Website
(www.kcesmjcollege.in)

Sd/-
Chairman,
Board of Studies

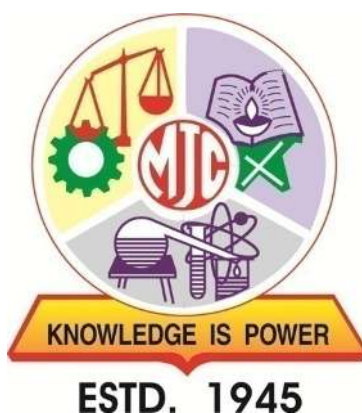
To :

- 1) The Head of the Dept., M. J. College, Jalgaon.
- 2) The office of the COE, M. J. College, Jalgaon.
- 3) The office of the Registrar, M. J. College, Jalgaon.

Knowledge is Power

Khandesh College Education Society's
Moolji Jaitha College, Jalgaon
An "Autonomous College"

Affiliated to
Kavayitri Bahinabai Chaudhari
North Maharashtra University, Jalgaon-425001



STRUCTURE AND SYLLABUS

**B.A. Honours / Honours with Research
(F.Y.B.A. Defence & Strategic Studies)**

**Under Choice Based Credit System (CBCS)
and**

As per NEP-2020 Guidelines

[W.e.f. Academic Year: 2023-24]

Preface

Capable Human Resource is a prerequisite in Higher Education, and it is to be acquired thorough knowledge of theoretical concepts and hands-on laboratory methods of the subject. The Moolji Jaitha College (Autonomous) has adopted a Department-Specific Model as per the Guidelines of UGC, NEP-2020 and the Government of Maharashtra. The Board of Studies in Defence & Strategic Studies of the college has prepared the Syllabus for the First-year undergraduate of Defence & Strategic Studies. The syllabus cultivates theoretical and practical know-how of different fields of Defence & Strategic Studies. The contents of the syllabus have been prepared to accommodate the fundamental aspects of various disciplines of Defence & Strategic Studies and to build the foundation for various applied sectors of Defence & Strategic Studies.

Defence and Strategic Studies is a subject of Great importance in today's complex and interconnected World. It encompasses the study of Defence policies, Military strategy, National Security, and the Broader Geopolitical landscape. **National Security:** Understanding Defence and strategic concepts is vital for ensuring the Security and Protection of a Nation. It involves analyzing potential threats, developing effective Defence policies, and formulating Military strategies to deter aggression and safeguard the interests of the country. **Conflict Prevention and Management:** Defence and Strategic Studies help in identifying the root causes of conflicts and exploring ways to prevent or manage them effectively.

Military Planning and Operations: The subject provides insights into Military planning, Operations, and Decision-Making processes. It equips Military leaders and Policymakers with the knowledge and skills necessary to assess threats, develop appropriate responses, and conduct successful Military Campaigns while minimizing casualties and collateral damage. **Geopolitical Analysis:** Defence and Strategic Studies involve analyzing Geopolitical trends and understanding the dynamics of International Relations. This knowledge helps Policymakers and Strategists Comprehend the interests, Motivations, and actions of other States and Non-state actors, enabling them to make informed decisions on alliances, Security Partnerships, and resource allocation. **Technology and Innovation:** The subject also examines the impact of emerging technologies on Defence and security. It explores the role of artificial intelligence, Cyber warfare, Space capabilities, and other advanced technologies in Modern warfare, thereby informing Defence planners and policymakers about the potential risks and opportunities associated with these developments. **Diplomacy and Negotiation:** Defence and Strategic Studies contribute to the study of Diplomacy and Negotiation, which are crucial in resolving conflicts peacefully and achieving favorable outcomes for National interests. It provides insights into the strategies and tactics employed during Negotiations and the role of Military Power in shaping Diplomatic outcomes.

Military History and Lessons Learned: The subject delves into Military History, Analyzing past conflicts and their outcomes. By studying Historical examples, both successful and unsuccessful, scholars can draw lessons that inform current Defence policies, strategic thinking, and military Doctrines. **Defence Industry and Economic Implications:** Defence and Strategic Studies explore the connections between Defence policies, Military capabilities, and Economic considerations. It examines the Defence Industry, Defence budgets, Arms trade, and the impact of Defence spending on National Economies. This understanding is crucial for policymakers, as it helps in allocating resources effectively and fostering Economic development while maintaining a strong Defence posture.

In summary, Defence and Strategic Studies is of paramount importance as it equips individuals with the knowledge and skills needed to analyze and address Contemporary Security Challenges. It provides a comprehensive understanding of Defence policies, Military Strategy, and International Relations, helping to ensure National Security, Promote Peace, and effectively respond to evolving threats in the Global landscape.

The overall curriculum of three / four-year covers Strategic Thinking about Military Strategy and the Art of War. They will study concepts such as Grand Strategy, Operational Planning, Tactics, and the role of Leadership in Warfare. This knowledge enables students to think strategically and assess the effectiveness of different Military approaches. They develop a broader perspective on the complex factors that contribute to Armed Conflicts. Professional opportunities studying War can lead to various professional opportunities. Graduates may pursue careers in Academia, Research Institutions, Think Tanks, Government Agencies, Military Organizations, International Organizations, Journalism, and Advocacy Groups focusing on War, Conflict Resolution, Security, and International Relations. The detailed syllabus of each paper is appended with a list of suggested readings.

Program Outcomes (PO) for B.A. Program:

Upon successful completion of the B.A. program, student will be able to:

PO No.	Program Outcomes of FYBA Defence and Strategic Studies
PO 1	Students should understand the reasons behind wars and the impact they have on nations and people can foster a sense of civic responsibility.
PO 2	The study of war encourages critical analysis of complex situations. Students learn to evaluate the motivations of different actors, consider the moral and ethical dimensions of conflict, and analyze the outcomes.
PO 3	Studying war is not just about understanding conflict but also about learning how to prevent it. By analyzing the causes of war and the strategies for resolution, students can develop insights into diplomacy, negotiation, and peace building.
PO 4	War often brings out both the best and worst in human nature. Through the study of war, students can explore how different cultures perceive and handle conflict, as well as the psychological impact of war on individuals and societies.
PO 5	For students who may go on to leadership roles, understanding the complexities of war is essential. Whether in government, business, or other fields, leaders often face decisions that involve conflict and require an understanding of the dynamics of war.
PO 6	Study of war and modernization in Defence sector is crucial to Indian Youth for understand the future war mechanism and strategies.

Program Specific Outcome PSO (B.A. Defence & Strategic Studies):

After completion of this course, students are expected to learn/understand the:

PSO No.	PSO
1	Students develop empathy and a Humanitarian perspective by examining the experiences of individuals affected by War, including Soldiers, Civilians, Refugees, and Humanitarian Workers.
2	They develop a Broader perspective on the complex factors that contribute to Armed Conflicts.
3	The study of War fosters Global awareness by examining conflicts beyond one's own Country.
4	Students will enhance their research skills through the study of War.
5	The study of war encompasses various aspects, including its Historical, Social, Political, and Strategic dimensions.
6	They develop the ability to examine complex Military and Strategic issues from multiple perspectives.

Credit distribution structure for Three/ Four year Honors/ Honors with Research Degree Programme with Multiple Entry and Exit

Credit distribution structure for Three/ Four year Honors/ Honors with Research Degree Programme with Multiple Entry and Exit										
Level	Sem	Major (Core) Subjects		Minor Subjects (MIN)	GE/ OE	VSC, SEC (VESC)	AEC, VEC, IKS	CC, FP, CEP, OJT/Int, RP	Cumulative Credits/Sem	Degree/ Cumulative Cr.
		Mandatory (DSC)	Elective (DSE)							
4.5	I	DSC (4T) DSC(2T)	—	Minor (4T)	GE-(2T)	SEC-(2T) SEC-(1P)	AEC-1 (2T) (ENG) VEC-1 (2T) (ES) IKS (1T)	CC-1 (2T)	22	UG Certificate 44
	II	DSC(4T) DSC(2T)	...	MIN(4T)	GE-(2T)	SEC-(2T) SEC-(1P)	AEC-2 (2T) (ENG) VEC-2 (2T) (CI) IKS (1T)	CC-2 (2T)	22	
	Cum. Cr	12	...	8	4	6	4+4+2	4	44	
Exit option: Award of UG Certificate in Major with 44 credits and an additional 4 credits core NSQF course/ Internship OR Continue with Major and Minor.										
5.0	III	DSC(4T) DSC(4T)	...	MIN (4T)	GE-(4T)		AEC-(2T) (MIL)	CC- (2T) FP (2T)	22	UG Diploma 44
	IV	DSC(4T) DSC(4T)	...	MIN(4T)	GE-(4T)		AEC-(2T) (MIL)	CC- (2T) FP (2T)	22	
	Cum. Cr	16	...	08	08	--	2+2=4	4+4=8	44	
Exit option: Award of UG Diploma in Major and Minor with 88 credits and an additional 4 credits core NSQF course/ Internship OR Continue with Major and Minor.										
5.5	V	DSC(2T) DSC(4T) DSC(4T)	DSE- A(2T) DSE-B(2T)	MIN-(2T)	...	VSC- (4T)	...	OJT/Int(2)	22	UG Degree 44
	VI	DSC (2T) DSC (4T) DSC (4T)	DSE-A(2T) DSE-B(2T)	MIN-(2T)	—	VSC-(4T)	...	OJT/Int(2)	22	
	Cum. Cr.	20	08	4	--	8	--	2+2=4	44	
Exit option: Award of UG Degree in Major with 132 credits OR Continue with Major and Minor										

6.0	VII	DSC(4T) DSC(4T) DSC(4T) DSC (2T)	DSE A(2T) DSE B(2T)	RM (2T)	—	...	...	OJT/Int (2)	22	UG Honors Degree 44
	VIII	DSC (4T) DSC(4T) DSC(4T) DSC (2T)	DSE A(2T) DSE B(2T)	RM (2T)	—	...	...	OJT/Int (2)	22	
	Cum. Cr.	28	08	4				4	44	
Four Year UG Honors Degree in Major and Minor with 176 credits										
6.0	VII	DSC-(4T) DSC-(4T) DSC- (2P)	DSE A(2T) DSE B(2T)	RM (2T)	...	...	...	RP (6)	22	UG Honors with Research Degree 44
	VIII	DSC-(4T) DSC-(4T) DSC- (2T)	DSE A(2T) DSE B(2T)	RM (2T)	...	...	...	RP (6)	22	
	Cum. Cr.	20	08	4	--	--	--	12	44	
Four Year UG Honours with Research Degree in Major and Minor with 176 credits										

Sem- Semester, **DSC-** Department Specific Course, **DSE-** Department Specific Elective, **T-** Theory, **P-** Practical, **CC-**Co curricular **RM-** Research Methodology, **OJT-** On Job Training, **FP-** Field Project, **Int-** Internship, **RP-** Research Project,

Multiple Entries and Multiple Exit options:

The multiple entry and exit options with the award of UG certificate/ UG diploma/ or three-year degree depending upon the number of credits secured;

Levels	Qualification Title	Credit Requirements		Semester	Year
		Minimum	Maximum		
4.5	UG Certificate	40	44	2	1
5.0	UG Diploma	80	88	4	2
5.5	Three Year Bachelor's Degree	120	132	6	3
6.0	Bachelor's Degree- Honours Or Bachelor's Degree- Honours with Research	160	176	8	4

F. Y. B. A. Defence & Strategic Studies Course Structure

Semester	Course Module	Credit	Hours/ week	TH/ PR	Code	Title
I	DSC	4	4	TH	DEF-DSC-111	Study of War-I
	DSC	2	2	TH	DEF -DSC-112	Defence Organisation of India-I
	MINOR	4	4	TH	DEF -DSC--111	Study of War-I
	OE/GE	2	2	TH	DEF -GE-111	--
	SEC	2	2	TH	DEF -SEC-111	Industrial Security-I
	SEC	1	1	PR	DEF -SEC-112	Industrial Security-I
	ENG	2	2	TH	ENG-AEC-111	English
	EV/CI/E	2	2	TH	ES -VEC-111	Environmental studies
	IKS	1	1	TH	IKS-111	Indian knowledge system
	CC	2	2	CC	NCC-CC-111 NSS-CC-111 SPT-CC-111 CUL-CC-111	NCC NSS Sports Cultural
II	DSC	4	4	TH	DEF -DSC-121	Study of War-II
	DSC	2	2	TH	DEF -DSC-122	Defence Organisation of India-II

	MINOR	4	4	TH	DEF -MIN-121	Study of War-II
	OE/GE	2	2	TH	DEF -GOE-121	---
	SEC	2	2	TH	DEF -SEC-121	Industrial Security-II
	SEC	1	1	PR	DEF -SEC-122	Industrial Security-II
	ENG	2	2	TH	ENG-S-AEC-121	English
	EV/CI	2	2	TH	CI-VEC-121	Constitution of India
	IKS	1	1	TH	IKS-121	Indian knowledge system
					NCC-CC-121	NCC
					NSS-CC-121	NSS
					SPT-CC-121	Sports
	CC	2	2	CC	CUL-CC-121	Cultural

DSC : Department-Specific Core course

DSE : Department-Specific elective

GE/OE : Generic/ Open elective

SEC : Skill Enhancement Course

MIN : Minor course

AEC : Ability Enhancement Course

VEC : Value Education Courses

ENG : English

ES : Environmental studies

CI : Constitution of India

IKS : Indian Knowledge System

CC : Co-curricular course

TH : Theory

PR : Practical

Exam Pattern

- Each theory and practical course will be of 50 marks comprising of 10 marks internal and 40 marks external examination.

External Theory Examination (40 marks)

- External examination will be of two hours duration for each theory course. There shall be 4 questions each carrying equal marks (10 marks each) while the tentative pattern of question papers shall be as follows;
- Q1 (A), Q2 (A) and Q3 (A), each will be of 6 marks (attempt any 2 out of 3 sub-questions).
- Q1 (B), Q2 (B) and Q3 (B), each will be of 4 marks (attempt any 1 out of 2 sub-questions).
- Q4 will be of 10 marks (attempt any 2 out of 3 sub-questions).

External Practical Examination (40 marks):

- Practical examination shall be conducted by the respective department at the end of the semester. Practical examination will be of minimum 3 hours duration and shall be conducted as per schedule. There shall be 05 marks for journal, 10 marks for *viva-voce*. Certified journal is compulsory to appear for practical examination.

Internal Theory/ Practical Examination (10 marks):

- Internal theory assessment of the student by respective teacher will be comprehensive and continuous, based on written test/ assignment. The written test may comprise of both objective and subjective type questions.
- Internal practical examination should be conducted by respective department as per schedule given. For internal practical examination student should perform at least one major and one minor experiment and should have completed journal.

FYBA SEMESTER-I

**FYBA
SEMESTR-I
DEF-DSC-111: Study of War –I**

Total Hours: 60

Credits: 4

Course Objectives	- To develop a comprehensive understanding of the concept of War, including its Causes, Characteristics, and Consequences. - To explore and analyze the Historical events, Strategies, and impacts of various Wars throughout history in order to gain a deep understanding of War history and its significance. - To analyze current Geopolitical trends, Emerging threats, and Global dynamics in order to identify potential future prospects for War. - Students can Guide to innovative preventive methods of Modern Warfare	
Course outcomes	After successful completion of this course, students are expected to: - Recognize and identify the signs and indicators of a War situation, including Geopolitical tensions, Military build-up, and Diplomatic breakdowns. - Analyze and evaluate the factors contributing to the escalation of conflicts and the likelihood of War. - Apply critical thinking skills and knowledge of War concepts to assess and predict potential War situations. - Demonstrate an understanding of the complexities and dynamics of War scenarios through case studies and Real-world examples.	
Unit	Contents	Hours
Unit I	Introduction i) War - Definition, ii) Meaning, scope, iii) Strategies, Tactics and Grand Strategies, iv) Ancient weapons v) Ancient war strategies vi) Ancient wars Transaction Methodology : Classroom Teaching	15
Unit II	Development of War and Views i) Kautilya's view ii) Capt. Basil Liddle Hart iii) Admiral A.T. Mahan iv) Karl Von Clausewitz Transaction Methodology: Classroom Teaching	15

Unit III	Evaluation of War Techniques i) Introduction ii) Elements of War iii) Sources of War Transaction Methodology : Classroom Teaching	15
Unit IV	Principals of war i) Principles: Selection & maintenance of the Aim, ii) Offensive actions, Concentration, iii) Cooperation, Security, Surprise Action, iv) Mobility, Moral, Administration Transaction Methodology: Classroom Teaching	15
Study Resources	• Jordan, James, David, Tuck, Walton ed. Understanding Modern Warfare, Cambridge Uni. Publication, UK, 2016 (II ED) (Available E-books) • Ventre, Cyber & Information Warfare, Wiley Publication, USA, 2011 (Available E-books) • Agreta E. Marlatt, CHEMICAL, BIOLOGICAL AND NUCLEAR TERRORISM/WARFARE, Dudley Knox Libraryaval Postgraduate School Revised and Updated, September 2003 (www.hsdl.org/pdf) • Mod Thornton, Asymmetric Warfare threat and response in the Twenty-First-Century, Polity Press, 2007 (Available E-books) • H. Liddell Hart, Sun Tzu Art of War, Oxford Uni. Press, NY, USA, 1963 • Kautilya, Arthashastra, Penguin India, 2000 • K.Subramnyam, Security Perspectives in India, Lancer Publication, New Delhi, 1985 • A. P. Chaudhary, YuddhVidnyan, Prashant Publication, Jalgaon, 2013 • K. B Patil, National Security, Prashant Publication, Jalgaon, 2017 • Dr. J.D. Lekurwale, War, Atharva Publication, Jalgaon, 2016	

**FYBA
SEMESTR-I
DEF -DSC-112: Defence Organization of India – I**

Total Hours: 30

Credits: 2

Course Objectives	- To comprehend the structure and Organization of the Indian Defence system, including the various Branches, Departments, and Agencies involved in National Defence. - To understand the chain of Command, Coordination Mechanisms, and Decision-making processes within the Indian Defence Organization. - To analyze the interplay between the Indian Defence Organization and other relevant stakeholders, such as the Government, Intelligence Agencies, and Paramilitary Forces. - To critically evaluate the strengths, weaknesses, and challenges faced by the Indian Defence Organization in ensuring National Security.	
Course Outcomes	After successful completion of this course, students are expected to: - Explain the significance and key aspects of Defence Organizations, including their role in National Security, Defence Policy formulation, and resource allocation. - Identify and analyze the changes and advancements in Defence Coordination, including the evolving Nature of coordination Mechanisms, Collaboration between Defence Agencies, and integration of various Defence components. - Demonstrate an understanding of Defence Modernization by examining Technological advancements, Emerging threats, Procurement, Research, and Development. - Evaluate and propose suggestions for Defence Modernization efforts, considering factors such as budgetary constraints, Technological feasibility, Geopolitical considerations, and National Defence priorities.	
Unit	Contents	Hours
Unit I	Introduction i) Introduction ii) Defence and Security : Concept iii) Importance of External and Internal Security vi) Need of Defence organizations v) Importance of Defence Organization Transaction Methodology : Classroom Teaching	7

Unit II	Historic Background i) Pre- independence history ii) India's Defence system foundation iii) Indian Border challenges Transaction Methodology: Classroom Teaching	7
Unit III	Defence Organization i) Role of Defence Organizations ii) Structure of Indian Army iii) Structure of Indian Navy iv) Structure of Indian Air Force Transaction Methodology : Classroom Teaching	8
Unit IV	Command Headquarters i) Strategic importance of Commands ii) Army Commands iii) Navy Commands v) Air Force vi) Joint Command Head Quarter Port Blair Transaction Methodology: Classroom Teaching	8
Study Resources	• R. Venkataraman, India's Higher Defence Organisation and Management, 2011. • Sri Nandan Prasad, Expansion of the Armed Forces and Defence Organisation, 1939-45, Combined Inter-Services Historical Section (India & Pakistan), 1956. • Lt. Col. M.D. Sharma, Paramilitary forces in India, Kalpaz Publication, Delhi, 2008. • Lt. Gen P. C. Khatoch, India's Special Forces History and Future of Indian Special Forces, Vij Books, New Delhi, 2013. • Richard J Popplewell, Intelligence and Imperial Defence British Intelligence and the Defence of the Indian Empire 1904-1924, Publication – Frank Cass & Co. Ltd. NY, 1995.	

**FYBA
SEMESTR-I
DEF- SEC-111: Industrial Security – I
(Theory)**

Total Hours: 30

Credits: 2

Course Objectives	• To comprehend the importance of the Industrial sector in Economic Development, including its role in job creation, wealth Generation, and Technological advancement. • To understand the Principles and practices of Industrial production safety, including risk assessment, Hazard identification, Safety protocols, and Emergency response procedures. • To develop the ability to Identify and assess potential Industrial threats, such as accidents, Natural disasters, Cyber attacks, and Sabotage, that may disrupt Industrial operations and Pose risks to Human safety and the Environment. • To equip students with analytical skills to analyze and evaluate various methods and tactics employed in Industrial sabotage, including insider threats, Cyber intrusions, Physical attacks, and covert Operations.	
Course Outcomes	After successful completion of this course, students are expected to: • Demonstrate the ability to categorize industries based on their nature, sector, and characteristics, understanding the industrial landscape and the diversity of industrial sectors. • Explain the causes and contributing factors of industrial accidents, including human errors, equipment failures, inadequate safety protocols, and environmental hazards. • Conduct a comprehensive security audit of industrial facilities, identifying vulnerabilities, assessing risks, and recommending appropriate security measures to enhance safety and mitigate threats. • Develop effective communication skills to alert industries about potential future threats, utilizing knowledge of emerging risks, technological advancements, and industry-specific vulnerabilities.	
Unit	Contents	Hours
Unit I	Introduction i) Fundamentals of Security, Historical aspects while dealing with Security, Importance of security, Present problems and challenges ii) Concept, Meaning, Scope, iii) Needs of Industrial Safety / Security iv) India's Industrial development Transaction Methodology : Classroom Teaching	8

Unit II	Types of Industry: Types i) Food, ii) Energy iii) Health iv) Manufacturing v) Construction vi) Mining vii) Transport Transaction Methodology: Classroom Teaching	7
Unit III	Industrial Acts i) Introduction ii) Industrial Act - 1951 iii) Legal Framework iv) Safety rules Transaction Methodology : Classroom Teaching	8
Unit IV	Issues i) Production challenges ii) Sabotage iii) Terrorist attack iv) Trade v) Human security Transaction Methodology: Classroom Teaching	7
Study Resources	• R.P. Sharma, Industrial Security Management, New Age International (P) Limited, 2005 • S.S. Subramanian, Industrial Security Management, Kalpaz Publications, 2006 • Michael S. D'Angelo, From Police to Security Professional A Guide to a Successful Career Transition, Taylor & Francis, 2015. • Thomas R. Peltier, Information Security Fundamentals, Second Edition, Taylor & Francis Publication, October 2013. • Dipak Haldar, Industrial Security in India, Ashish Publishing House, 1986. • Dipak Haldar, The Administration of Industrial Security in India, University of Calcutta, 1978 • Utpal Kumar Banerjee, Operational Analysis and Indian Defence, Concept Publishers, 1980. • Sanjay Badri-Maharaj, Indian Nuclear Strategy Confronting the Potential Threat from Both China and Pakistan, Taylor & Francis, 2019. • N. C. Asthana, Anjali Nirmal, India's Internal Security The Actual Concerns, Pointer Publishers, 2012. • E M Rammohun, E. N. Rammohan, Amritpal Singh, A K Agarwal, Maoist Insurgency and India's Internal Security Architecture, Vij Books India Private Limited, New Delhi, 2012.	

**FYBA
SEMESTR-I
DEF- SEC-112: Industrial Security – I
(Practical)**

Total Hours: 15

Credits: 1

Course Objectives	• To comprehend the importance of the Industrial sector in Economic Development, including its role in job creation, wealth Generation, and Technological advancement. • To understand the Principles and practices of Industrial production safety, including risk assessment, Hazard identification, Safety protocols, and Emergency response procedures. • To develop the ability to Identify and assess potential Industrial threats, such as accidents, Natural disasters, Cyber attacks, and Sabotage, that may disrupt Industrial operations and Pose risks to Human safety and the Environment. • To equip students with analytical skills to analyze and evaluate various methods and tactics employed in Industrial sabotage, including insider threats, Cyber intrusions, Physical attacks, and covert Operations.	
Course Outcomes	After successful completion of this course, students are expected to: • Demonstrate the ability to categorize industries based on their nature, sector, and characteristics, understanding the industrial landscape and the diversity of industrial sectors. • Explain the causes and contributing factors of industrial accidents, including human errors, equipment failures, inadequate safety protocols, and environmental hazards. • Conduct a comprehensive security audit of industrial facilities, identifying vulnerabilities, assessing risks, and recommending appropriate security measures to enhance safety and mitigate threats. • Develop effective communication skills to alert industries about potential future threats, utilizing knowledge of emerging risks, technological advancements, and industry-specific vulnerabilities.	
Unit	Contents	Hou rs
Practical 1	Students will understand the nature of defence industries also vital installations for the national security purposes.	05
Practical 2	Students will visit to Industry and check the security methods, Documents security, cyber security, emergency precautions, control room office operations, emergency warning system, mock drill, uniforms, labour security, production safety, vehicle checking methods and communication safety.	10

F.Y. B.A.

Semester –II

F.Y. B.A.
Semester –II
DEF – DSC– 121: Study of War –II

Total Hours: 60

Credits:4

Course Objectives	- To understand the different types of Wars. - To comprehend the significance of Geostrategic locations and Conflict zones in shaping Military strategies, Geopolitical dynamics, and International Relations. - To identify and analyze Emerging War methods, such as unmanned systems, Artificial Intelligence, Information Warfare, and Hybrid Warfare, and their implications for Modern Conflicts. - To develop the ability to analyze the effects of War on various aspects, including Humanitarian Consequences, Socio-Economic impacts, Environmental damage, and Political instability.	
Course Outcomes	After successful completion of this course, students are expected to: - Identify and analyze the causes of War, including factors such as Territorial disputes, Ideological differences, Economic interests, Power struggles, and Resource Competition. - Understand and explain the role of Diplomacy in resolving conflicts and preventing the Escalation of Violence, including the use of Negotiation, Mediation, Dialogue, and International Agreements. - Evaluate and propose Diplomatic solutions for specific conflicts, considering the Interests and perspectives of different Stakeholders, Regional dynamics, Historical contexts, and International norms and laws. - Demonstrate an understanding of the complexities and challenges involved in Diplomatic efforts, including balancing National interests, managing power dynamics, addressing cultural differences, and building trust among conflicting parties.	
Unit	Contents	Hours
Unit I	Types of War i) Introduction ii) Traditional War iii) Non-traditional War /Asymmetric War Transaction Methodology : Classroom Teaching	15
Unit II	Determinants of affecting on War i) Geography ii) Economic iii) Science & Technology iv) Natural resources Transaction Methodology: Classroom Teaching.	15

Unit III	Conventional War i) Meaning & concept ii) Limited War iii) Land war iv) Sea War vii) Air War Transaction Methodology : Classroom Teaching	15
Unit IV	Non Conventional war i) Meaning & concept ii) Nuclear war iii) Biological war iv) Chemical War v) Cyber War vi) Communication War Transaction Methodology: Classroom Teaching	15
Study Resources	• Jordan, James, David, Tuck, Walton ed. Understanding Modern Warfare, Cambridge Uni. Publication, UK, 2016 (II ED) (Available E-books) • Daniel Ventre, Cyber & Information Warfare, Wiley Publication, USA, 2011 (Available E-books) • Greta E. Marlatt, CHEMICAL, BIOLOGICAL AND NUCLEAR TERRORISM/WARFARE, Dudley Knox Library • Naval Postgraduate School Revised and Updated, September 2003 (www.hsdl.org/pdf) • Rod Thornton, Asymmetric Warfare threat and response in the Twenty-First-Century, Polity Press, 2007 (Available E-books) • B.H. Liddell Hart, Sun Tzu Art of War, Oxford Uni. Press, NY, USA, 1963 • Kautilya, Arthashastra, Penguin India, 2000 • K. Subramnyam, Security Perspectives in India, Lancer Publication, New Delhi, 1985 • A. P. Chaudhary, YuddhVidnyan, Prashant Publication, Jalgaon, 2013. • Dr. J.D. Lekurwale, War, Atharva Publication, Jalgaon, 2016. • Carl von Clausewitz, On War, Princeton University Press, 1976. • Sun Tzu, Carl von Clausewitz, The Book of War: Includes the Art of War by Sun Tzu & On War by Karl Von Clausewitz, Random House Publishing Group, 2000.	

**F.Y. B.A.
Semester –II**

DEF - DSC –122: Defence Organization of India – II

Total Hours: 30

Credits: 2

Course Objectives	- Explore the establishment and growth of India's Defence agencies from Pre-independence to the present day. - Analyze the role of Defence institutions in safeguarding National security, Territorial integrity and sovereignty. - Analyze India's military doctrines and strategic postures. - Understand India's efforts to modernize its armed forces, including the Acquisition of advanced Defence technologies and equipment.	
Course Outcomes	After successful completion of this course, students are expected to: - Analyze and evaluate the effects of War on Defence Organizations, considering the challenges they face during and after conflicts. - Identify and understand the challenges that Defence Organizations encounter in terms of resource allocation, Budget constraints, Technological advancements, and evolving threats. - Evaluate the impact of War on Defence organization capabilities, including Equipment, Infrastructure, Personnel, and Strategic planning. - Effectively communicate insights and findings related to Indian defense organizations through written reports and oral presentations.	
Unit	Contents	Hours
Unit I	Higher Defence Organization i) Introduction ii) Power of President in relation of Armed Forces iii) Parliament and Armed Forces vi) Defence Committee of the Cabinets / Political Affairs Committee v) National Security Council (NSC) N.S.A. & C. D. S. Transaction Methodology : Classroom Teaching	8
Unit II	Defence Mechanism of India i) Modernization in Defence ii) Technology used in Armed Forces iii) Defence Exercises iv) Training Transaction Methodology: Classroom Teaching	7

Unit III	Intelligence Organization of India i) History of India's Intelligence Agencies ii) Intelligence Bureau (IB) iii) Research and Analysis Wing (R&AW) iv) Military Intelligence (MI) v) National Technology Research Organization (NTRO) Transaction Methodology : Classroom Teaching, Documentary	8
Unit IV	External Military Base i) India's Foreign Airbase ii) India's Foreign Naval Base iii) India's Foreign Army Base Transaction Methodology: Classroom Teaching, ICT	7
Study Resources	• R. Venkataraman , India's Higher Defence Organisation and Management, 2011 • Sri Nandan Prasad, Expansion of the Armed Forces and Defence Organisation, 1939-45, Combined Inter-Services Historical Section (India & Pakistan), 1956. • Lt. Col. M.D. Sharma, Paramilitary forces in India, Kalpaz Publication, Delhi, 2008. • Lt. Gen P. C. Khatoch, India's Special Forces History and Future of Indian Special Forces, Vij Books, New Delhi, 2013. • Richard J Popplewell, Intelligence and Imperial Defence British Intelligence and the Defence of the Indian Empire 1904-1924, Publication – Frank Cass & Co. Ltd. NY, 1995.	

F.Y. B.A.
Semester –II
DEF-SEC- 121: Industrial Security – II
(Theory)

Total Hours: 30

Credits: 2

Course Objectives	- Explore the significance of Biochemical industries in various sectors such as Healthcare, Agriculture, Pharmaceuticals, Energy, and Environment. - Learn about the role of Infrastructure in supporting Economic growth, improving quality of life, and promoting Social development. - Explore the impact of Make in India policies on domestic manufacturing, Foreign direct investment, and Job creation. - Explore the role of Defence manufacturing companies in meeting the Country's Defence requirements.	
Course Outcomes	After successful completion of this course, students are expected to: - Understand the concept of Industrial race and its significance in the Global Economy. - Recognize the competitive landscape and key players in various Industries. - Explain the transformative effects of Industry 4.0 on Industries, Economies and Societies. - Analyze the opportunities and challenges presented by Industry 4.0 in terms of Job displacement, Skills requirements, and Ethical Considerations.	
Unit	Contents	Hours
Unit I	Vigilance and Vital Installations i) Vigilance (means, Importance and objective), types of Vigilance, Checking types. ii) Control room management, Communication and alert System, Document security. iii) Computer and Cyber security, Key Security. Transaction Methodology: Classroom Teaching, case study	8
Unit II	Industrial Securities and VIP i) Types of Installations, Document and key security, Types of documents, Perimeter wall security. ii) Kaizen Techniques and importance in security Management. iii) Sabotage, Suspicious article Finding, New Trend of Sabotage, Control Room and Communications. Transaction Methodology: Classroom Teaching, case study	7

Unit III	Human & technical intelligence coordination i) Importance and scope, Awareness of Resources, Time and place factor, ii) Role of vigilance officer, discipline in duties, (Quality and style of a leader, leadership traits, Leadership Principles, Discipline, Morale) iii) Installations and Security Management Transaction Methodology: Classroom Teaching, case study	8
Unit IV	Security System i) Types of project and security system, Security equipment and handling process. ii) Situation based security duties, iii) Institutional functions and Security Matter understandings. Transaction Methodology: Classroom Teaching, case study	7
Study Resources	• R.P. Sharma, Industrial Security Management, New Age International (P) Limited, 2005. • S. Subramanian, Industrial Security Management, Kalpaz Publications, 2006. • Michael S. D'Angelo, From Police to Security Professional A Guide to a Successful Career Transition, Taylor & Francis, 2015. • Thomas R. Peltier, Information Security Fundamentals, Second Edition, Taylor & Francis Publication, October 2013. • Dipak Haldar, Industrial Security in India, Ashish Publishing House, 1986. • Dipak Haldar, The Administration of Industrial Security in India, University of Calcutta, 1978. • Utpal Kumar Banerjee, Operational Analysis and Indian Defence, Concept Publishers, 1980. • Sanjay Badri-Maharaj, Indian Nuclear Strategy Confronting the Potential Threat from Both China and Pakistan, Taylor & Francis, 2019. • N. C. Asthana, Anjali Nirmal, India's Internal Security the Actual Concerns, Pointer Publishers, 2012. • E M Rammohun, E. N. Rammohan, Amritpal Singh, A K Agarwal, Maoist Insurgency and India's Internal Security Architecture, Vij Books India Private Limited, New Delhi, 2011.	

F.Y. B.A.
Semester –II
DEF-SEC- 122: Industrial Security – II
(Practical)

Total Hours: 15

Credits: 1

Course Objectives	• Explore the significance of Biochemical industries in various sectors such as Healthcare, Agriculture, Pharmaceuticals, Energy, and Environment. • Learn about the role of Infrastructure in supporting Economic growth, improving quality of life, and promoting Social development. • Explore the impact of Make in India policies on domestic manufacturing, Foreign direct investment, and Job creation. • Explore the role of Defence manufacturing companies in meeting the Country's Defence requirements.	
Course Outcomes	After successful completion of this course, students are expected to: • Understand the concept of Industrial race and its significance in the Global Economy. • Recognize the competitive landscape and key players in various Industries. • Explain the transformative effects of Industry 4.0 on Industries, Economies and Societies. • Analyze the opportunities and challenges presented by Industry 4.0 in terms of Job displacement, Skills requirements, and Ethical Considerations.	
Unit	Contents	Hours
Practical 1	Observations noting by students with the permission of Industry norms	15

BOS Panel

Sr. No.	Name of Members	Designation
1	Dr. L. P. Wagh	Chairman
2	Prof. Dr. L. A. Khan	Member
3	Prof. Dr. D. G. Vispute	Member
4	Dr. J. D. Lekurwale	Member
5	Dr. Ramesh I. Raut	Member
6	Major Laxikant H. Daware (Retd.)	Member
7	Capt. (Dr.) Y. S. Borse	Member