



Date :- 01/08/2024

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 27/07/2024.

The Syllabi of B. A. in Defense and Strategic Studies (First and Second Semesters) as per **NATIONAL EDUCATION POLICY – 2020 (2024 Pattern)** and approved by the Academic Council as referred above are hereby notified for implementation with effect from the academic year 2024-25.

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

Sd/-
Chairman,
Board of Studies

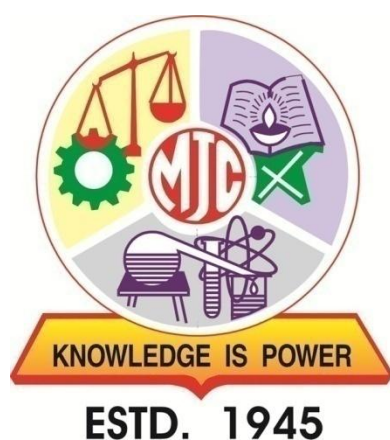
To :

- 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
MooljiJaitha College, Jalgaon
An "Autonomous College"

Affiliated to
KavayitriBahinabai 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: 2024-25]

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 MooljiJaitha 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.

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

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,

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.

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
	OE/GE	2	2	TH	DEF -OE-111:	Artificial Intelligence in Defence – I
	ENG	2	2	TH	ENG-AEC-111	English Communication Skills-I
	EV/CI/E	2	2	TH	ES -VEC-111	Environmental studies
	IKS	2	2	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
	OE/GE	4	4	TH	DEF -OE-121	Artificial Intelligence in Defence – II
	ENG	2	2	TH	ENG-AEC-121	English Communication Skills-II
	EV/CI	2	2	TH	CI-VEC-121	Constitution of India
	CC	2	2	CC	NCC-CC-121 NSS-CC-121 SPT-CC-121 CUL-CC-121	NCC NSS Sports 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

FYBA SEMESTER-I

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

Credits- 4
Marks: 100

Internal Examination: 40
External Examination: 60

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	15

	Transaction Methodology: Classroom Teaching	
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 -OE-111: Artificial Intelligence in Defence – I

Credits- 2

Internal Examination: 20

Marks: 50

External Examination: 30

Course Objectives	- To provide capable youth for modern warfare. - Nations and companies are investing heavily in AI to gain competitive advantages in technology and innovation, shaping global economic and geopolitical landscapes. - AI fosters innovation by enabling the development of new products and services, from personalized recommendations in e-commerce to advanced medical diagnostics.	
Course Outcomes	After successful completion of this course, students are expected to: - To provide capable youth for modern warfare. - To find out lacunas in India's technical security. - Student can analyses perfectly upcoming AI threats before time. - Students can make used AI perfectly in national security.	
Unit	Contents	Hours
Unit I	Basic of Artificial Intelligence i) Concept of Artificial Intelligence Technology ii) Scope and importance of AI iii) Benefits of AI iv) AI Roadmap for PSUs v) Strategic vision for AI vi) 4.0 Industrial Revolution and AI Transaction Methodology : Classroom Teaching, Documentary	15
Unit II	Needs of Robotics in Defence i) AI based Intercept Management System (IMS) ii) Challenges to operating AI iii) AI use in Maritime iv) AI use in Air Defence v) AI use in Satellite for Defence vi) ABM and AI Transaction Methodology: Classroom Teaching, Documentary	15
Study Resources	https://www.ddpmod.gov.in/sites/default/files/ai.pdf https://pib.gov.in/PressReleasePage.aspx?PRID=1840740 https://issi.org.pk/wp-content/uploads/2021/05/2_SS_Ahmad-Khan_and_Irteza-Imam_and_Adeela_Azam_No-1_2021.pdf https://www2.deloitte.com/content/dam/Deloitte/fi/Documents/public-sector/ca-en-final-aoda-deloitte-ai-defence-security-pov-v2%20(2).pdf https://www.nationaldefensemagazine.org/articles/2023/7/25/defense-department-needs-a-data-centric-digital-security-organization	

	6. https://www.drdo.gov.in/drdo/labs-establishment/about-us/centre-artificial-intelligence-robotics-cair 7. https://www.dw.com/en/indian-army-ramps-up-ai-but-how-effective-will-it-be/a-67134664 8. Stephan De Spiegeleire, Matthijs Maas, Tim Sweijs, Artificial Intelligence and the Future of Defense Strategic Implications For Small- and Medium-Sized Force Providers, The Hague Centre for Strategic Studies, 2017. ISBN No. 9789492102546, 9492102544. 9. Michael Raska, Richard A. Bitzinger, The AI Wave in Defence Innovation Assessing Military Artificial Intelligence Strategies, Capabilities, and Trajectories, Taylor & Francis, 2023. ISBN No. 9781000875010, 1000875016 10. Nik Hynek, Anzhelika Solovyeva, Militarizing Artificial Intelligence Theory, Technology, and Regulation, Taylor & Francis, 2022. 11. Ian Bowers, Katarzyna Zysk, Michael Raska, Defence Innovation and the 4th Industrial Revolution Security Challenges, Emerging Technologies, and Military Implications, Taylor & Francis, 2022, ISBN No. 9781000563795, 1000563790. 12. Benjamin M. Jensen, Christopher Whyte, Scott Cuomo, Information in War Military Innovation, Battle Networks, and the Future of Artificial Intelligence, Georgetown University Press, 2022. ISBN No. 9781647122652, 1647122651.	
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F.Y. B.A.

Semester –II

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

Credits- 4
Marks: 100

Internal Examination: 40
External Examination: 60

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	15

	ii) Limited War iii) Land war iv) Sea War i) Air War Transaction Methodology : Classroom Teaching	
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 - OE–121: Artificial Intelligence in Defence – II

Credits- 2
Marks: 50

Internal Examination: 20
External Examination: 30

Course Objectives	- To understand the challenges in modern defence technology. - To create an awareness about AI Operations for battle winning.	
Course Outcomes	After successful completion of this course, students are expected to: - To provide capable youth for modern warfare. - To find out lacunas in India's technical security - Student can analyze perfectly upcoming AI threats before time	
Unit	Contents	Hours
Unit I	AI in Modern Warfare i) AI and Drones ii) AI and Missiles iii) AI and Radars iv) AI and Fighter Planes v) AI and Solders vi) AI and Vigilance Transaction Methodology : Classroom Teaching	15
Unit II	C4ISR i) AI used in Intelligence Agencies ii) AI used in DRDO iii) AI used in Advance Defence Research iv) AI used in Counter Intelligence v) AI used Propaganda and Psychological Warfare vi) AI used in Borders security Transaction Methodology: Classroom Teaching	15
Study Resources	https://www.ddpmod.gov.in/sites/default/files/ai.pdf https://pib.gov.in/PressReleasePage.aspx?PRID=1840740 https://issi.org.pk/wp-content/uploads/2021/05/2_SS_Ahmad-Khan_and_Irteza-Imam_and_Adeela_Azam_No-1_2021.pdf https://www2.deloitte.com/content/dam/Deloitte/fi/Documents/public-sector/ca-en-final-aoda-deloitte-ai-defence-security-pov-v2%20(2).pdf https://www.nationaldefensemagazine.org/articles/2023/7/25/defense-department-needs-a-data-centric-digital-security-organization https://www.drdo.gov.in/drdo/labs-establishment/about-us/centre-artificial-intelligence-robotics-cair https://www.dw.com/en/indian-army-ramps-up-ai-but-how-effective-will-it-be/a-67134664 - Stephan De Spiegeleire, Matthijs Maas, Tim Sweijjs, Artificial Intelligence and the Future of Defense Strategic Implications For Small- and Medium-Sized Force Providers, The Hague Centre for Strategic Studies, 2017. ISBN No. 9789492102546, 9492102544. - Michael Raska, Richard A. Bitzinger, The AI Wave in Defence Innovation Assessing Military Artificial Intelligence	

	Strategies, Capabilities, and Trajectories, Taylor & Francis, 2023. ISBN No. 9781000875010, 1000875016 10. Nik Hynek, Anzhelika Solovyeva, Militarizing Artificial Intelligence Theory, Technology, and Regulation, Taylor & Francis, 2022. 11. Ian Bowers, Katarzyna Zysk, Michael Raska, Defence Innovation and the 4th Industrial Revolution Security Challenges, Emerging Technologies, and Military Implications, Taylor & Francis, 2022, ISBN No. 9781000563795, 1000563790. 12. Benjamin M. Jensen, Christopher Whyte, Scott Cuomo, Information in War Military Innovation, Battle Networks, and the Future of Artificial Intelligence, Georgetown University Press, 2022. ISBN No. 9781647122652, 1647122651.	
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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