

Anekant Education Society's

Tuljaram Chaturchand College, Baramati

(Autonomous)

CURRICULUM FOR SECOND YEAR BACHELOR OF ARTS

CBCS Syllabus

T. Y. B. A Semester -V

For Department of Defence and Strategic Studies
Tuljaram Chaturchand College, Baramati

Choice Based Credit System Syllabus (2023 Pattern)

(As Per NEP 2020)

To be implemented from Academic Year 2025-2026

Title of the Programme: B.A. (Defence and Strategic Studies)

Preamble

Introduction:

AES's Tuljaram Chaturchand College has decided to change the syllabus of various faculties from June, 2023 by taking into consideration the guidelines and provisions given in the National Education Policy (NEP), 2020. The NEP envisions making education more holistic and effective and to lay emphasis on the integration of general (academic) education, vocational education and experiential learning. The NEP introduces holistic and multidisciplinary education that would help to develop intellectual, scientific, social, physical, emotional, ethical and moral capacities of the students. The NEP 2020 envisages flexible curricular structures and learning based outcomes for the development of the students. The credit structure and the courses framework provided in the NEP are nationally accepted and internationally comparable.

The rapid changes in National Security scenario and science and technology and new approaches in different areas of Defence and Strategic Studies and related subjects, Board of Studies in Defence and Strategic Studies of Tuljaram Chaturchand College, Baramati - Pune has prepared the syllabus of S.Y.B.A. Defence and Strategic Studies Semester - III under the Choice Based Credit System (CBCS) by following the guidelines of NEP 2020, NCrF, NHEQF, Prof. R.D. Kulkarni's Report, GR of Gov. of Maharashtra dated 20th April and 16th May 2023 and Circular of SPPU, Pune dated 31st May 2023.

The department was established in 1974 as military studies at general level. In 1982 the subject got extended to a special level. In 1984 the department was renamed as the department of 'Defence and strategic studies', DDSS offers B.A. in Defence and Strategic Studies. Since then, it has striven to impart superlative knowledge to students who are intent on pursuing a career in the defence stream. The department has seen a success rate of 90%. DDSS has been building up institutional knowledge about various aspects of India's national security. The candidates who have passed bachelor's / master's degree in this subject, can start career as lecturers and go for research fields like international relations, geostrategic, geopolitical socio-economic and tactical aspect of war. As well as one can get jobs at Indian Army, Navy, Air Force, education corps, defence journalism, corporate sectors and many more fields.

Programme Outcomes (POs)

Programme Outcomes for Defence and strategic Studies B. A. Degree Programme in accordance with National Education Policy-2020. w.e.f. Academic Year 2025-2026

PO5	Environmental awareness: The graduates should be able to demonstrate the acquisition of and ability to apply the knowledge, skills, attitudes, and values required to take appropriate actions for: mitigating the effects of environmental degradation, climate change, and pollution, effective waste management, conservation of biological diversity, management of biological resources and biodiversity, forest and wildlife conservation, and sustainable development and living
PO4	Research Skills: The graduates will be able to demonstrate a keen sense of observation, inquiry, and capability for asking relevant/ appropriate questions, the ability to problematize, synthesize, and articulate issues and design research proposals, the ability to define problems, formulate appropriate and relevant research questions, formulate hypotheses, test hypotheses using quantitative and qualitative data, establish hypotheses, make inferences based on the analysis and interpretation of data, and
PO3	Multicultural Competence: Graduates will have acquisition of knowledge of the values and beliefs of multiple cultures and a global perspective to honour diversity, capability to effectively engage in a multicultural group/society and interact respectfully with diverse groups
PO2	Communication Skill: Graduates will be able to demonstrate the skills that enable them to: listen carefully, read texts and research papers analytically and present complex information in a clear and concise manner to different groups/audiences, express thoughts and ideas effectively in writing and orally and communicate with others using appropriate media, confidently share views and express herself/himself
PO1	Critical and Creative Thinking: Graduates will demonstrate the ability to apply analytic thought to a body of knowledge, including the analysis and evaluation of policies, and practices, as well as evidence, arguments, claims, beliefs, and the reliability and relevance of evidence. The graduates will be able to demonstrate the ability to create, perform, or think in different and diverse ways about the same objects or scenarios, deal with problems and situations

PO6	Problem-solving Abilities : Graduates will be adept at identifying and addressing complex societal, cultural, and artistic challenges through innovative and interdisciplinary approaches							
PO7	Collaboration and Teamwork: The graduates will be able to demonstrate the ability to work effectively and respectfully with diverse teams, facilitate cooperative or coordinated effort on the part of a group, act together as a group or a team in the interests of a common cause and work efficiently as a member of a team.							
PO8	Value inculcation: The graduates will be able to demonstrate the acquisition of knowledge and attitude that are required to embrace and practice constitutional, humanistic, ethical, and moral values in life, including universal human values of truth, righteous conduct, peace, love, nonviolence, scientific temper, citizenship values, practice responsible global citizenship required for responding to							
PO9	Digital and technological skills: The graduates will be able to demonstrate the capability to use ICT in a variety of learning and work situations, access, evaluate, and use a variety of relevant information sources, and use appropriate software for analysis of data							
PO10	Community Engagement and Service: The graduates will be able to demonstrate the capability to participate in community-engaged services/activities for promoting the wellbeing of society.							



Anekant Education Society's

TuljaramChaturchand College of Arts, Science and Commerce Baramati, Dist-Pune

(Empowered Autonomous)

Board of Studies in Defence and Strategic Studies

(Academic Year 2025-26 to 2027-28)

Sr.No.	Name of Member	Designation
1.	Dr. Bhosale Devidas Vijay Head &Assistant Professor, Department of Defence and Strategic Studies, T. C. College, Baramati.	Chairperson
2.	Mr. Lokhande Amol Assistant Professor, Department of Defence and Strategic Studies, T. C. College, Baramati	Member
3.	Dr. Raut Ramesh	Vice-Chancellor Nominee Subject Expert from SPPU, Pune
4.	Prof. Dr. Bhange Chandrakant	Subject Expert from Outside the Parent University
5.	Prof. Dr. Patil Nimba Zopa	Subject Expert from Outside the Parent University
6.	Lt. Gen. Chavan Avinash	Representative from industry/corporate sector/allied areas
7.	Mr. Gadhave Ganesh	Member of the College Alumni
8.	Mr. Aditya Vanave	UG Student
9.	Mr. Akash Jadhav	UG Student

Level	Semester	emester Major	jor	r Minor Electives	0E	VSC, SEC	AEC, VEC, IKS	OJT, FP,	Cum.	Degree/
		Mandatory	Electives			(VSEC)	IVO	CEP, CC,	Cr./ Sem.	Cum. Cr.
	I	4-6 (4+2)		•	2+2	VSC:2, SEC:2	AEC:2, VEC:2,IKS:2	CC:2	20-22	UG Certificate
4.5	II	4-6 (4+2)		2	2+2	VSC:2, SEC:2	AEC:2, VEC:2	CC:2	20-22	40-44
	Cum Cr.	8-12	• ,	2	8	4+4	4+4+2	4	40-44	

Continue with Major and Minor

7	III	6(4+2)- 8(2*4)	4	2	VSC:2,	AEC:2	FP:2 CC:2	20-22	UG Diploma 80-88
5.0	IV .	6(4+2)- 8(2*4)	4	2	SEC:2	AEC:2	CEP: 2 CC:2	20-22	
	Cum Cr.	20-28	10	12	6+6	8+4+2	8+4	80-88	

Exit option; Award of UG Diploma in Major and Minor with 80-88 credits and an additional 4 credits core NSQF course/ Internship OR Continue with Major and Minor

Anekant Education Society's Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati (Autonomous)

Course & Credit Structure for T.Y.B.A. Defence Studies (2023 Pattern as per NEP-2020)

Sem	Course Type	Course Code	Course Title	Theory / Practical	Credits			
	Major Mandatory	DEF-301-MJM	National Security Policy of India	Theory	04			
	Major Mandatory	DEF-302-MJM	War and Warfare	Theory	04			
	Major Mandatory	DEF-303-MJM	Environmental Security	Theory	02			
	Major Elective (MJE)	DEF-304-MJE(A)	Defence Expenditure and Economics	Theory	0.4			
	Major Elective (MJE)	DEF-304-MJE(B)	Military Thinkers	(Any One)	04			
V	Minor	DEF-311-MN	Role of International Organizations	Theory	04			
(5.5)	Vocational Skill Course (VSC)	DEF-321-VSC	Fire Safety	Theory	02			
	Community Engagement Project (CEP) / Field Project DEF-335-CEP / DEF-335-FP		-	Practical	02			
			Total Cre	dits Semester-V	22			
	Major Mandatory	DEF-351-MJM	Indias National Security	Theory	04			
	Major Mandatory	DEF-352-MJM	Modern Warfare	Theory	04			
	Major Mandatory	DEF-353-MJM	Road Safety	Theory	02			
VI	Major Elective (MJE)	DEF-354-MJE(A)	Defence Economics	Theory	0.4			
(5.5)	Major Elective (MJE)	DEF-354-MJE(B)	Military Psychology	(Any One)	04			
	Minor	DEF-361-MN	International and Regional Organization	Theory	04			
	On Job Training (OJT)	DEF-385-OJT	-	Practical	04			
	Total Credits Semester-VI							
			Total Credits S	emester-V + VI	44			

Name of the Programme: B.A Defence and Strategic Studies

Programme Code : UADEF

Class : T.Y.B.A.

Semester : V

Course Type : Major Mandatory (Theory)

Course Code : DEF-301-MJM

Course Title : National Security Policy of India

No. of Credits : 04

No. of Teaching Hours : 60

Course Objectives:

The objective of this paper is to make aware the students of the following key points.

- 1. The basic Learning Objective of this course is to make aware the students about changing scenario of National Security Policy Of India
- 2. To provide knowledge about the various Indian Policies.
- 3. Through various India's strategic polices students will be able understand issues of India's national security.
- 4. Enrich students with critical analyzing skills regarding how national security factors influence strategy, tactics, and military operations.
- 5. To develop the necessary theoretical & experimental knowledge, and aptitude regarding national security issues.
- 6. Students can analyze what are the challenges of India's national security Post Indipendence Indias Nation Security.
- 7. The security has an extended meaning beyond its military dimension there is a better appreciation now of its non-military and human dimensions national security it comprises every action of the government by which a society seeks to assure its survival or realizes it's aspirations internationally aimed at to create favorable National and international condition for the protection or extension of national interest against existing or potential any methods in this context the aim of this paper is to make students to understand ever changing different issue directly or indirectly involved in this study.

Course Outcomes:

A candidate who has completed his or her qualification will have the following learning outcomes in terms of Knowledge, skills, and concepts.

- CO1: Students will get through knowledge of India's internal and external security environment
- CO2: Students will be able to understand India's foreign policy after independence.
- CO3: Student will be able to understand India's Defence and Nuclear policy.
- CO4: Student will be able to understand power rivalry in Indian Ocean region.
- CO5: Student will be able to understand presence of superpowers in Indian Ocean and its impact over India's security environment.
- CO6: Student will understand China's maritime strategy and the "String of Pearls" concept and

evaluate its impact on India's maritime security.

CO7: Define the principles and guidelines of India's nuclear doctrine.

TOPICS/CONTENTS:	3
1) National security	12
1.1- Meaning and Concept	
1.2- Importance of National Security	
1.3- Scope of National Security	
1.4- Concept of India's National Security	
2) India's foreign policy	12
2.1- Meaning and Objectives	
2.2- Basic Principles of India's Foreign Policy	
2.3- Determinants of India's Foreign Policy	
2.4- Evaluation of India's Foreign Policy	
3) India's Defence policy	12
3.1 - Aims and Objectives	
3.2- Evalutions of India's Defence policy	
3.3- Linkages between Foreign and Defence Policy	
4) India's nuclear policy	12
4.1- Aims and Objectives	
4.2- Peaceful uses of nuclear power	
4.3- 1974 PNE (Peaceful Nuclear Explosions)	
4.4- 1998 Test (Operation Shakti)	
4.5- India's Nuclear Doctrine	
4.6- Evaluation of India's Nuclear Policy	
5) India's Maritime Policy	12
5.1 - India's Navel Strategy and Maritime Policy	
5.2- Strategic Environment and Importance of Indian Ocean	
5.3- Presence of Superpowers in Indian Ocean	
5.4- Chinas String of Pearls	
5.5- India's Sagarmala Project	

References:

- 1) K Subramanyam our National Security economic and Scientific Perspective," Director ESRF Federation House" Delhi 1952
- 2) Bandi pradnya, "Making of India's Foreign Policy," Allied Publisher, Delhi,1991
- 3) Barry Nutan, "People state and Fear, National security Problem in International Relations, "Trance Asia Publisher, New Delhi.
- 4) Khan J.A. "Probing War and Warfare-APH New Delhi.
- 5) Shrikant Paranjape, "Santosh Astra (in Marathi)", Continental Pune 1994
- 6) Dr. Todkar B.D. India and World in Marathi, Diamond Publication-2010
- 7) Dr. M. L. Sali. "India-China Border Dispute" A.P.H Publication New Delhi-1998
- 8) Dr. Khare, "International Politics" K Sagar Publication. (Marathi)-2011
- 9) Dr. Jadhav V. Y. "India's National Security, Send Vardhan-2011
- 10) Dr. Todkar B.D. "India's Foreign Policy and National Security-2009
- 11) Dr. Vijay Khare, "Influence of Social Media on India's Foreign Policy. (Pentagon Press LLP 2021)
- 12) डॉ. देवेंद्र जी. विसपुते "आंतरराष्ट्रीय सुरक्षा समस्या- प्रशांत पब्लिकेशन 2020

Mapping of Program Outcomes with Course Outcomes

Class: TYBA (SEM-V) Subject: Defence and Strategic Studies

Course: National Security Policy of India

Course Code: DEF-301-MJM

Weightage: 1= weak or low relation, 2= moderate or partial relation, 3= strong or direct relation

	Programme Outcomes (POs)									
CO\PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	2	1	2	2	3	2	1	1	3
CO2	3	2	2	2	1	2	2	2	1	3
CO3	3	2	1	2	1	3	1	2	2	2
CO4	3	2	2	2	2	3	2	1	2	2
CO5	3	2	2	2	2	3	2	1	2	2
CO6	3	2	1	2	2	3	1	2	2	1
CO7	3	1	1	2	1	3	1	3	2	1

	Critical and Creative Thinking: This PO is strongly related to all COs, as analyzing
PO1	India's security, foreign, defense, and maritime strategies requires deep critical thinking
	and a creative understanding of geopolitical scenarios.
PO2	Communication Skill: Moderate relation across COs—students need to effectively
FOZ	articulate complex national and international security issues both verbally and in writing.
	Multicultural Competence: Relevant for CO2, CO4, and CO5—understanding foreign
PO3	policy and superpower presence in the Indian Ocean requires knowledge of diverse
	cultural and political perspectives.
DO 4	Research Skills: Students must research historical, political, and strategic developments
PO4	(CO1 to CO7), making this PO moderately related throughout the course.
	Environmental Awareness: Especially relevant to CO4, CO5, and CO6—students
PO5	understand geopolitical and ecological impacts of maritime strategies and power rivalries
	in the Indian Ocean region.
DO.	Problem-solving Abilities: Strongly tied to all COs—students evaluate strategic
PO6	challenges and propose security, defence, and policy-based solutions.
DO -	Collaboration and Teamwork: Group discussions, debates, and project work on topi
PO7	like India's foreign and maritime policy foster teamwork and collaborative learning.
D 00	Value Inculcation: Particularly connected with CO3, CO6, and CO7—students reflect
PO8	the ethical dimensions of defence policies, nuclear doctrine, and national values.
7.00	Digital and Technological Skills: Students may use digital tools for research,
PO9	presentations, and understanding tech-based aspects of defence (esp. CO3, CO6, CO7).
	Community Engagement and Service: Many COs encourage students to understand
PO10	India's strategic posture and its implications on society and regional peace, fostering
	civic responsibility and service mindset.
	The respondence with section and section a

Name of the Programme: B.A Defence and Strategic Studies

Programme Code : UADEF

Class : T.Y.B.A.

Semester : V

Course Type : Major Mandatory (Theory)

Course Code : DEF-302-MJM

Course Title : War and Warfare

No. of Credits : 04

No. of Teaching Hours : 60

Course Objectives:

The objective of this paper is to make aware the students of the following key points.

- 1. The basic Learning Objective of this course is to make aware the students about changing nature of warfare.
- 2. Aim of this paper is to evaluate the contemporary changes in warfare is especially after 1945.
- 3. This course highlights on changing nature of war opening to various development inventions in science and technology.
- 4. Enrich students with critical analyzing skills regarding type of war and its influence on strategy, tactics, and military operations.
- 5. To develop the necessary theoretical & experimental knowledge, and aptitude regarding type of warfare and weaponries used in the same.
- 6. Students can analyze types of wars and its implications.
- 7. Student can understand the new modern warfare and its process of execution as well as new technological and hybrid warfare.

Course Outcomes:

A candidate who has completed his or her qualification will have the following learning outcomes in terms of Knowledge, skills, and concepts.

CO1: Understand how traditional and modern warfare waged.

CO2: Student will be able to explain the concept of various war types.

CO3: Student will be able to explain how conventional and Modern War fought.

CO4: Students will understand how recent changes in warfare affect the utility of the forces in international relations.

CO5: Students will understand how the most important political technological and military development since the end of cold war have changed the way of military forces is used.

CO6: Analyze global efforts to prevent the use of nuclear weapons and promote disarmament.

CO7: Student will Examine historical examples to illustrate the characteristics and dynamics of conventional warfare.

TOPICS/CONTENTS

1) War 15

1.1 - Meaning and Concept

AES's T. C. College (Autonomous), Baramati.

CBCS Syllabus 2023 Pattern as per NEP 2020

1.2 - Causes of War	
1.3- Principle of War	
1.4- Consequences of War	
2) Conventional Warfare	10
2.1- Meaning and Concept	
2.2- Changing Dimension of War from Limited to Total	
3) Hybrid Warfare	10
3.1- Meaning and Concept	
3.2- Objectives and Effectiveness	
3.3- Case Studies	
4) Nuclear Warfare	15
4.1- Meaning and Concept	
4.2- Origin and Development	
4.3- Nature of nuclear weapons and Delivery System	
4.5- Nuclear War and Its Possible Consequences	
5) Chemical and Biological Warfare	10
5.1- Meaning and Concept	
5.2- Aim & Objectives	
5.3- Methods	
5.4- Preventive Measures	

- **References:**1) J.F.C. fuller, "conductive war," (London ,1961)
- 2) Clausewitz, "On War" Antok Rapport (London, 1968)
- 3) Montgomery "A History of War", (London 1968)
- 4) Gander, T.J." Nuclear, Biological and Chemical Warfare"
- 5) Khan J.A "Probing war and Warfare
- 6) श्रीकांत परांजपे, " सामरिकशास्त्र"
- 7) James Turner Johnson "Morality and Contemporary Warfare"
- 8) प्रा. तोडकर "समकालीन युद्धपद्धती"
- 9) Vikrant Deshpande "Hybrid Warfare: The changing Character of Conflict.
- 10) प्रो. डॉ.चंद्रकांत बन्सीधर भांगे "युद्धतंत्र" स्वरांजली पब्लिकेशन गाझियाबाद उ.प्र.
- 11) प्रा. देविदास विजय भोसले "संरक्षण आणि सामरिकशास्त्र वेध स्पर्धा परीक्षांचा" स्वरांजली प्रकाशन गाजियाबाद उ.प्र.
- 12) प्रो. डॉ.चंद्रकांत बन्सीधर भांगे "युद्ध आणि समकालीन युद्धपद्धती" स्वरांजली पब्लिकेशन गाझियाबाद उ.प्र.

Mapping of Program Outcomes with Course Outcomes

Class: TYBA (SEM-V) Subject: Defence and Strategic Studies

Course: War and Warfare Course Code: DEF-302-MJM

Weightage: 1= weak or low relation, 2= moderate or partial relation, 3= strong or direct relation

	Programme Outcomes (POs)									
CO \ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	2	1	2	1	3	2	2	2	2
CO2	3	2	1	2	1	2	2	2	1	1
CO3	3	2	1	2	1	3	2	2	2	1
CO4	3	2	2	3	2	3	2	2	2	2
CO5	3	2	2	3	2	3	2	2	3	2
CO6	3	2	2	3	2	3	2	3	2	3
CO7	3	2	1	3	1	3	2	2	1	1

PO1	Critical and Creative Thinking: All COs require students to critically analyze and conceptualize complex ideas about warfare, military strategy, and international relations.
PO2	Communication Skill: Students must present and discuss various forms and impacts of warfare, enhancing their verbal and written communication skills.
PO3	Multicultural Competence: Understanding global conflicts and post-Cold War developments (CO4–CO6) fosters awareness of diverse cultures and international dynamics.
PO4	Research Skills: Research is necessary to analyze historical cases, technological developments, and disarmament efforts across all COs.
PO5	Environmental Awareness: Certain COs (CO4–CO6) touch on the environmental impact of warfare and modern military technologies, though less central.
PO6	Problem-solving Abilities: Students evaluate solutions to global threats like nuclear warfare, and assess shifts in military utility in a dynamic global context.
PO7	Collaboration and Teamwork: Discussion-based analysis and collaborative work help deepen understanding of war concepts and global military shifts.
PO8	Value Inculcation: Ethical issues, peace efforts, and disarmament initiatives discussed in CO6 promote a sense of values and global responsibility.
PO9	Digital and Technological Skills: Students may explore modern warfare technologies and utilize digital tools for research and presentations.
PO10	Community Engagement and Service: Discussions around global disarmament, international security, and peaceful solutions (CO6 in particular) relate to civic responsibility.

Name of the Programme: B.A Defence and Strategic Studies

Programme Code : UADEF

Class : T.Y.B.A.

Semester : V

Course Type : Major Mandatory (Theory)

Course Code : DEF-303-MJM

Course Title : Environmental Security

No. of Credits : 02

No. of Teaching Hours : 30

Course Objectives:

The objective of this paper is to make aware the students of the following key points.

- 1. Understanding Environmental Security Define the concept of environmental security and its importance in global and national contexts.
- 2. Impact of Environmental Issues on Security Analyze how environmental problems like climate change, resource scarcity, and natural disasters contribute to conflicts and geopolitical instability.
- 3. Natural Resource Management & Conflict Prevention Examine the role of water, forests, minerals, and energy resources in security threats and sustainable conflict resolution.
- 4. Climate Change and National Security Assess how rising global temperatures, extreme weather events, and sea-level rise affect military operations, migration, and economic stability.
- 5. Environmental Policies & Governance Study international agreements, national policies, and institutions that address environmental threats to security.
- 6. Disaster Management and Resilience Explore strategies for disaster risk reduction, emergency response, and building resilient communities against environmental threats.
- 7. Sustainable Development and Peacebuilding Understand the connection between environmental sustainability, economic development, and long-term security.

Course Outcomes:

A candidate who has completed his or her qualification will have the following learning outcomes in terms of Knowledge, skills, and concepts.

- CO1.Understanding Environmental Security Students will gain knowledge of the relationship between environmental changes and national/global security.
- CO2. Impact of Climate Change on Security Analyze how climate change influences conflicts, migration, and resource scarcity.
- CO3. Natural Resource Management Learn sustainable practices to prevent resource-based conflicts and promote environmental stability.
- CO4.Disaster Risk Reduction & Resilience Develop skills to assess and mitigate environmental threats like floods, droughts, and pandemics.
- CO5. Environmental Policies & Governance Understand national and international laws, treaties, and policies addressing environmental security.

CO6.Role of Armed Forces in Environmental Protection – Explore military strategies for disaster relief, border security, and eco-friendly defence operations.

CO7. Technology & Environmental Security – Study innovations like renewable energy, water

TOPICS/CONTENTS

UNIT 1: Introduction to Environmental Security

10

- 1.1 Definition, Concept, and Scope
- 1.2 Importance of Environmental Security
- 1.3 Relationship between Environment, Development, and Security
- 1.4 Sustainable Developments and Environmental Protection

UNIT 2: Environmental Threats and Challenges

10

- 2.1 Climate Change
- 2.2 Deforestation, Land Degradation, and Desertification
- 2.3 Water Scarcity and Conflict
- 2.4 Air and Water Pollution
- 2.5 Biodiversity

UNIT 3: Environmental Policies and Governance

10

- 3.1 International Environmental Agreements
- 3.2 Role of Institutions in Environmental Security
- 3.3 Environmental Laws and Policies in India
- 3.4 Role of Government, NGOs, and Civil Society

References:

- 1. Gadgil, M., & Guha, R. (1995). Ecology and Equity: The Use and Abuse of Nature in Contemporary India. Penguin Books India.
- 2. Agarwal, A., & Narain, S. (1991). Global Warming in an Unequal World: A Case of Environmental Colonialism. Centre for Science and Environment (CSE), New Delhi.
- 3. Rao, K.L. (1979). India's Water Wealth: Its Assessment, Uses and Projections. Orient Blackswan.
- 4. Sharma, H.S. (2000). Drought and Desertification. Concept Publishing Company.
- 5. Jha, M. (2008). "Natural Disasters and Urban Vulnerability in India" in Indian Journal of Geography and Environment.
- 6. Saxena, K.G. (1999). "Biodiversity and Ecological Security of the Himalayas". International Journal of Sustainable Development.
- 7. Lele, S. (1991). "Sustainable Development: A Critical Review". World Development, with focus on Indian context.
- 8. Narain, S. (2009). "Role of Civil Society in Environmental Governance". Down To Earth Magazine.
- 9. पर्यावरणीय धोके आणि आव्हाने (2011) लेखक: डॉ. संजय पाटील.
- 10. पर्यावरण आणि विकास लेखक: डॉ. सीमा कुलकर्णी.

Mapping of Program Outcomes with Course Outcomes

Class: TYBA (SEM-V)

Course: Environment Security

Weightage: 1= weak or low relation, 2= moderate or partial relation, 3= strong or direct relation

Programme Outcomes (POs)											
CO \ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	
CO1	3	2	2	2	3	3	2	2	2	3	
CO2	3	2	2	3	3	3	2	2	2	3	
CO3	3	2	2	3	3	3	2	3	2	3	
CO4	3	2	2	3	3	3	3	2	2	3	
CO5	3	2	2	3	3	2	2	3	2	3	
CO6	3	2	2	2	2	3	3	3	2	3	
CO7	3	2	1	2	3	2	2	2	3	2	

PO1	Critical and Creative Thinking: Students critically analyze the causes and consequences of environmental security issues (CO1–CO7) and creatively propose innovative solutions for sustainable development and conflict mitigation.									
PO2	Communication Skill: Effectively communicating scientific data, policy arguments, and disaster response strategies is essential across COs, especially when engaging with stakeholders and drafting climate security reports.									
PO3	Multicultural Competence: Understanding global environmental challenges, treaties, and international cooperation (CO1, CO2, CO5) helps students appreciate cultural perspectives and regional variations in environmental governance.									
PO4	Research Skills: All COs require students to conduct research on climate change, disaster data, environmental laws, and technological innovations to develop informed perspectives and practical solutions.									
PO5	Environmental Awareness: This PO is at the core of the course—students gain deep insight into climate change, sustainability, and ecological protection (especially in CO1–CO5 and CO7).									
PO6	Problem-solving Abilities: From climate-induced conflict to disaster resilience and policy planning (CO2–CO6), students are trained to assess complex scenarios and formulate actionable strategies.									
PO7	Collaboration and Teamwork: Group projects and simulations (such as disaster response or climate negotiations) strengthen teamwork, especially in CO4, CO6, and CO7, where inter-agency or cross-functional efforts are discussed.									
PO8	Value Inculcation: The course nurtures ethical thinking regarding environmental responsibility, equity, and intergenerational justice, particularly through CO3, CO5, and CO6.									
PO9	Digital and Technological Skills: In CO7, students explore and evaluate tech-based environmental solutions such as renewable energy, GIS for disaster mapping, and water conservation technologies.									
PO10	Community Engagement and Service: COs like CO4 (Disaster Risk Reduction) and CO6 (Military's eco-role) emphasize civic duties, community preparedness, and environmental activism, fostering a commitment to public service.									

Name of the Programme: B.A Defence and Strategic Studies

Programme Code : UADEF

Class : T.Y.B.A.

Semester : V

Course Type : Major Elective (MJE) (Theory)

Course Code : DEF-304-MJE(A)

Course Title : Defence Expenditure and Economics

No. of Credits : 04

No. of Teaching Hours : 60

Course Objectives:

The objective of this paper is to make aware the students of the following key points.

- 1. The basic Learning Objective of this course is to make aware the students about budgetary process for defence expenditure.
- 2. Aim of this paper is to evaluate the changes in defence budget especially after 1945.
- 3. Student Can analyze the role and contributions of public sector undertakings in defence production.
- 4. Student will be able to analyze India's defence Expenditure
- 5. Student can identify the challenges in defence production.
- 6. Students can analyze the defence production from 1947.
- 7. India spends a significant number of resources on its national defence.

Efficiency in utilization of resources is not only an economic imperative but vital for defence preparedness. Thus, the Government of India needs to create the capabilities necessary for facing future threats and challenges with the required budgetary support and correct perspectives. Against such backdrop, the aim of the paper is to teach the students the procedure of Defence Acquisition; trends in defence expenditure; trends in India's defence planning; the concept of self-reliance in Defence Production; role of Defence Public Sector Undertakings/Ordnance Factory; Private Sector Participation in Defence Production; role of Defence Research and Development etc.

Course Outcomes:

A candidate who has completed his or her qualification will have the following learning outcomes in terms of Knowledge, skills, and concepts.

- CO1: Student will be able to understand budget process and defence budget.
- CO2: Student will be able to understand the concept of economic warfare.
- CO3: Student will be able to understand the concept like war finance and war time economy.
- CO4: Student will be able to explain and analyze the impact of arm race on the nation's economy.
- CO5: Student will be able to analyze the complex relations between defence and developments.
- CO6: Understand the role and contributions of public sector undertakings in defence production.
- CO7: Student will be able to analyze the relationship between technological advancements and defence expenditure.

TOPICS/CONTENTS	
1) Salient Feature of Indian Economic System 2) India's Defence Budget System 2.1 - Budgetary Procedure	12 12
 2.2- Planning 2.3- Structure 3) Parliamentary Control over Defence Budget 3.1- Estimate Committee 	12
 3.2- Public Account Committee 3.3- Public Undertaking Committee 4) Defence Production in India 4.1- Defence Public Sector Undertaking 	12
 4.2- Role of Private Defence Industry 4.3- Research and Development in Defence Sector 4.4 - Current Policies 5) Determinants of Defence Expenditure 5.1- Threat Perception 5.2- Capabilities 	12
References:	•

- 1)Military of Defence: Annual report
- 2) Ghosh Ashok: Indian Economy its Nature and Problem
- 3) Thomas Raju: The Defence of India: A budgetary Perspective
- 4) Subramanyam K: perspective of Defence planning
- 5) Lakshmi Y: Trends in Defence Expenditure
- 6) Romnathew: Defence production in India
- 7) Dr. Mukund Mahajan: Bhartachi Arthrachna
- 8) Dr. Laxman Kumar Behara: India's Defence Economy

Mapping of Program Outcomes with Course Outcomes

Class: TYBA (SEM-V)

Course: Defence Expenditure and Economics

Course Code: DEF-304-MJE(A)

Weightage: 1= weak or low relation, 2= moderate or partial relation, 3= strong or direct relation

Programme Outcomes (POs)											
CO \ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	
CO1	3	2	1	2	2	3	2	2	2	2	
CO2	3	2	2	2	2	3	2	2	2	2	
CO3	3	2	1	2	2	3	2	2	2	1	
CO4	3	2	2	3	2	3	2	3	2	2	
CO5	3	2	2	3	3	3	2	3	2	3	
CO6	3	2	1	2	2	2	2	2	3	2	
CO7	3	2	1	2	2	3	2	2	3	2	

	,
DO1	Critical and Creative Thinking: Students are required to critically evaluate the defence
PO1	budget, economic warfare, war-time economy, and technological impact (CO1–CO7), encouraging analytical and strategic thinking.
DO2	Communication Skill: Explaining concepts like economic warfare, defence finance, and
PO2	public sector defence production (CO1–CO6) involves developing clarity in both oral and
	written communication.
	Multicultural Competence: Understanding global arms races, international defence spending
PO3	trends, and economic strategies (CO2, CO4, CO5) promotes awareness of diverse economic-
	political perspectives.
	Research Skills: Students engage in data-driven analysis of defence budgets, policy impacts,
PO4	and economic models (CO1, CO4, CO5, CO7), strengthening their academic and field research
	abilities.
	Environmental Awareness: While not the central focus, CO5 and CO6 touch on sustainable
PO5	development and eco-conscious defence production, promoting consideration of environmental
	impacts.
	Problem-solving Abilities: This course trains students to evaluate complex economic-defence
PO6	issues (e.g., budget allocation, arms race consequences) and find practical policy or strategic
	solutions (CO1–CO7).
	Collaboration and Teamwork: Team discussions, simulations, and case studies (especially in
PO7	CO4, CO5, CO6) allow students to work in groups and analyze defence-economic relationships
	collaboratively.
	Value Inculcation: CO4 and CO5 involve ethical considerations around balancing defence
PO8	expenditure with development priorities, fostering responsible decision-making and national
	values.
	Digital and Technological Skills: Through CO6 and CO7, students explore technological
PO9	advancements, defence production innovations, and digital budgeting tools, building relevant
	tech-literacy.
	Community Engagement and Service: Analyzing the social consequences of defence
PO10	spending (CO4, CO5) encourages students to think about national development, welfare, and
1010	civic responsibilities.
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Name of the Programme: B.A Defence and Strategic Studies

Programme Code : UADEF

Class : T.Y.B.A.

Semester : V

Course Type : Major Elective (MJE) (Theory)

Course Code : DEF-304-MJE(B)

Course Title : Military Thinkers

No. of Credits : 04

No. of Teaching Hours : 60

Course Objectives:

The objective of this paper is to make aware the students of the following key points.

- 1. To provide students with full knowledge various thinkers and their strategic thoughts.
- 2. To introduce various military plans, war plan and strategies.
- 3. Students will able to analyze the defence operations performed by various thinkers
- 4. Students will able to analyze the military strategy and ideas implemented by military organizations.
- 5. To develop the necessary theoretical & experimental knowledge, and aptitude regarding various strategies and their origins.
- 6. Students will able to recognize strategies or methods used to win war by various thinkers.
- 7. This paper covers overall picture of various strategies and tactics propounded by defence thinkers.

Course Outcomes:

A candidate who has completed his or her qualification will have the following learning outcomes in terms of Knowledge, skills, and concepts.

CO1: Understand the fundamental principles for war as articulated by Carl Von Clausewitz.

CO2: Demonstrate the ability to apply Clausewitz's principles in the context of various historical and hypothetical war scenarios.

CO3: Examine the Schlieffen Plan and understand its objectives and implications.

CO4: Understand the influence of sea power on global geopolitics.

CO5: Analyze Liddell Hart 's theory of war and his strategic approach to military operations.

CO6: Examine the role played by Marshal Foch in the Treaty of Versailles and its impact on post-war geopolitics.

CO7: Understand the Heartland Theory proposed by Halford Mackinder and its implications for geopolitical strategy.

TOPICS/CONTENTS

1. Carl Von Clausewitz.

11

- 1.1 Principles for war
- 1.2 Theory of combat

1.3 Application of these principles in war	
2. Antoine-Henri, Jomini	08
1.1 Lines of operations	
1.2 Jomini and Clausewitz: Comparing their views	
3. Alfred Von Schlieffen	08
3.1 Schlieffen plan	
4. Alfred Thayer Mahan	10
4.1 Influence of Sea Power	
4.2 Sea power theory	
5. 1. General Giulio Douhet	07
5.1 Air Power Theory	
6. Sir Basil Henry Liddell Hart	09
6.1 Indirect Approach	
6.2 Blitzkrieg	
7. Halford Mackinder	07
7.1 Heart Law Theory	

References:

- 1. Sean M. and Steven Miller, The cold war and after: prospects for Peace, MIT press 2001.
- 2. Naval Studies Board, Post-Cold War Conflict Deterrence, National Academic Press, Washington D.C. 1997.
- 3. Hilaire Mc Coubrey and Justin Morris, Regional Peacekeeping in Post-Cold War Era, Kluwer law International, 2000.
- 4. Sylvia Ostry, The post-cold war trading system, University of Chicago Press, London 1997.
- 5. Antulio Joseph Echevarria, After Clausewitz: German Military Thinkers Before the Great War, University Press of Kansas, 2000.
- 6. Spencer Tucker, The Encyclopedia of World War I, ABC-CLIO Inc, 2005.
- 7. William Mulligan, The Origins of the First World War, Cambridge University Press, New York, 2010.

Mapping of Program Outcomes with Course Outcomes

Class: TYBA (SEM-V)

Course: Military Thinkers

Course Code: DEF-304-MJE(B)

Weightage: 1= weak or low relation, 2= moderate or partial relation, 3= strong or direct relation

Programme Outcomes (POs)											
CO \ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	
CO1	3	2	1	2	1	3	2	2	1	1	
CO2	3	2	2	3	1	3	2	2	1	2	
CO3	3	2	2	3	1	2	2	2	1	2	
CO4	3	2	3	3	2	2	2	2	2	3	
CO5	3	2	2	3	1	3	2	2	1	2	
CO6	3	2	2	3	1	2	2	3	1	2	
CO7	3	2	3	3	2	2	2	3	1	3	

	Critical and Creative Thinking: Students analyze classical and modern military theories							
PO1	(Clausewitz, Liddell Hart, Mackinder) and apply them to both historical and hypothetical							
	scenarios (CO1, CO2, CO5, CO7), enhancing their ability to think critically and devise							
	strategic interpretations creatively.							
	Communication Skill: The course fosters students' ability to articulate complex strategic							
PO2	concepts (like the Schlieffen Plan or Heartland Theory) clearly through discussions,							
	presentations, and written assignments (CO2, CO3, CO7).							
	Multicultural Competence: Exploring military theories from European, global, and							
PO3	geopolitical perspectives (CO3, CO4, CO6, CO7) helps students understand diverse strategic							
	cultures and how geography and politics influence military planning in various regions.							
	Research Skills: Students investigate historical sources, strategic texts, and theoretical models							
PO4	(e.g., Treaty of Versailles, naval warfare) and learn how to interpret and critique strategic							
	thinking across CO1–CO7.							
	Environmental Awareness: While indirectly addressed, the influence of terrain, sea power,							
PO5	and geography (CO4, CO7) introduces students to how environmental features shape global							
	strategy and military doctrine.							
	Problem-solving Abilities: The course sharpens analytical thinking by presenting real and							
PO6	theoretical military challenges (CO2, CO4, CO5, CO7), requiring students to assess strategic							
	options and develop reasoned solutions.							
PO7	Collaboration and Teamwork: Case studies, group analysis of war plans (CO2, CO3, CO5),							
	and strategic scenario planning encourage collaborative learning and peer-based evaluation.							
200	Value Inculcation: Students reflect on the moral implications of military decisions and the							
PO8	ethical dimensions of treaties and warfare (CO1, CO5, CO6), nurturing integrity and							
	responsible citizenship.							
DOO	Digital and Technological Skills: Though not a primary focus, students may use digital							
PO9	simulations, mapping tools, or strategy-based software to enhance their understanding of							
	complex war strategies (CO4, CO7).							
DO16	Community Engagement and Service: Understanding how warfare impacts nations, societies,							
PO10	and global peace (CO4, CO6, CO7) prepares students to think about broader societal roles and							
	how historical insights can inform national policy and peacebuilding efforts.							

Name of the Programme: B.A Defence and Strategic Studies

Programme Code : UADEF

Class : T.Y.B.A.

Semester : V

Course Type : Minor (Theory)

Course Code : DEF-311-MN

Course Title : Role of International Organizations

No. of Credits : 04

No. of Teaching Hours : 60

Course Objectives:

The objective of this paper is to make aware the students of the following key points.

- 1. The basic Learning Objective of this course is to make aware the students about various international and regional organizations and role of them in maintaining peace.
- 2. Aim of this paper is to evaluate the contemporary changes in world order especially after 1945.
- 3. Student Can analyze the main objective of formation of International and Regional Organization
- 4. To give the students a better understanding of the structure of international relations through various International and Regional Organization
- 5. To provide a general understanding of the major international organizations, with particular emphasis on the analysis of its powers and areas of operation.
- 6. To promote further study of the newly Emerged Organization and the United Nations.
- 7. To promote thought within the student how global and regional organizations play an important role in the development of legal and policy frameworks, as well as in the design of effective action plans to betterment of world Peace and development.

Course Outcomes:

A candidate who has completed his or her qualification will have the following learning outcomes in terms of Knowledge, skills, and concepts.

CO1: Student will be able to understand the role of International and regional organizations in international politics.

CO2: Student will be able to understand the role of United Nations in global peace and security.

CO3: Student will be able to understand the role of International and regional organizations in providing a place for political cooperation and coordination among member nations.

CO4: Student will be able to analyze the complex inter-relationship that exist among the Nations and between people's communities in the interdependent modern world

CO5: Student will be able to describe explain the historic and contemporary role and effects of the different international actors in the Global system.

CO6: Student will be able to explore the historical evaluation of SAARC and analyze the role that SAARC plays in promoting regional collaboration and addressing common challenges.

CO7: Analyze India's contributions to various UN initiatives and peacekeeping operations.

TOPICS/CONTENTS

1) United Nation	12
1.1- Origin and Structure of UN	
1.2- Objectives and Function of UN	
1.3- UN Bodies	
2) The UN Role in International Peace and Security	12
3) UN and Human Rights	12
4) Need to Reconstruct UN	12
5) Role of India in UN	12
References:	•

- 1) Agrawal S K(RD) Essay on the Law of Treaties-Bombay Orient LongMax-1973
- 2) Saksena K.P -Reforming the United Nation-New Delhi Sage Publication-1993
- 3) Bitgrami SJR- International Organization -New Delhi, Vikas Publication-1983
- 4) Anand R.P. Newand International law- New Delhi, Vikas Publica tion 1972
- 5) Anand P. Studies in International Adjudication- New Delhi- Vikas Publication 1963
- 6) K.M. Bhosale- World economic environment -Kolhapur, Fadake Publication 2000
- 7) International Relations and politics- R.G. Waradkar, Vidya Publication, Nagpur 2001
- 8) Prof. B.Y. Kulkarni International Relations-Vidya Publication, Nagpur 2005
- 9) Dr. Todkar B D, International Relation, Diamond Publication Pune 2000
- 10) प्रा. देविदास विजय भोसले "संरक्षण आणि सामरिकशास्त्र वेध स्पर्धा परीक्षांचा" स्वरांजली प्रकाशन गाजियाबाद उ.प्र.

Choice Based Credit System Syllabus (2023 Pattern) Mapping of Program Outcomes with Course Outcomes

Class: TYBA (SEM-V) Subject: Defence and Strategic Studies

Programme Outcomes (POs)											
CO \ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	
CO1	3	2	3	2	2	2	2	2	1	3	
CO2	3	2	3	2	2	2	2	2	1	3	
CO3	3	2	3	2	1	2	2	2	1	3	
CO4	3	3	3	3	2	3	2	3	1	3	
CO5	3	2	3	2	2	3	2	3	1	3	
CO6	3	2	3	3	2	2	2	3	1	3	
CO7	3	2	3	3	2	2	2	3	1	3	

PO1	Critical and Creative Thinking: This course develops students' ability to critically analyze the roles, functions, and influence of international and regional organizations (CO1, CO2, CO3, CO5), and to think creatively about solutions to global political issues and inter-state conflicts (CO4, CO6).
PO2	Communication Skill: The course emphasizes discussion, presentation, and writing on complex international relations topics such as UN peacekeeping, political cooperation, and India's global role (CO2, CO3, CO7), strengthening students' verbal and written communication skills.
PO3	Multicultural Competence: By studying diverse international and regional organizations and their global roles (CO1, CO2, CO3), students gain insight into multicultural governance systems and develop an appreciation of political and cultural diversity in global collaboration.
PO4	Research Skills: The course requires analysis of the evolution, structures, and functions of global institutions such as the UN and other regional alliances (CO4, CO5, CO6), enhancing research proficiency through the evaluation of treaties, historical events, and institutional performance.
PO5	Environmental Awareness: Although not central, CO2 and CO6 indirectly expose students to global efforts by the UN and related bodies addressing environmental issues such as climate change, sustainable development, and humanitarian crises, promoting awareness of environmental security.
PO6	Problem-solving Abilities: Students explore how international bodies resolve global conflicts, manage crises, and coordinate multilateral actions (CO2, CO4, CO6), sharpening their ability to assess problems and propose informed, strategic solutions.
PO7	Collaboration and Teamwork: This course encourages teamwork through group-based simulations, presentations, and case studies on international cooperation (CO3, CO4, CO7), fostering skills in negotiation, diplomacy, and team dynamics.
PO8	Value Inculcation: The study of institutions promoting peace, justice, and equality (e.g., UN missions, humanitarian efforts, global cooperation in CO2, CO6, CO7) instills ethical and civic values among students, such as tolerance, solidarity, and respect for international law.
PO9	Digital and Technological Skills: While not a core focus, the course supports digital skill development through the use of online research databases, global policy portals, UN digital platforms, and virtual tools used for collaborative projects (CO4, CO6).
PO10	Community Engagement and Service: Students develop an understanding of global citizenship and India's engagement in international peacekeeping and development initiatives (CO6, CO7), inspiring civic consciousness and a commitment to global service.

Name of the Programme: B.A Defence and Strategic Studies

Programme Code : UADEF

Class : T.Y.B.A.

Semester : V

Course Type : Vocational Skill Course (VSC) (Theory)

Course Code : DEF-321-VSC

Course Title : Fire Safety

No. of Credits : 02

No. of Teaching Hours : 30

Course Objectives:

The objective of this paper is to make aware the students of the following key points.

- 1. Increase awareness of fire hazards and potential risks in various environments.
- 2. Teach participants about fire prevention strategies and best practices to minimize the likelihood of fires.
- 3. Educate individuals on the proper use of fire extinguishers and other firefighting equipment.
- 4. Familiarize participants with evacuation procedures and emergency protocols during a fire incident.
- 5. Enhance understanding of fire safety regulations and compliance standards.
- 6. Raise awareness of the importance of early detection and reporting of fire incidents.
- 7. Train participants on the safe and effective evacuation of buildings and designated assembly areas.
- 8. Promote teamwork and coordination during fire drills and emergency situations.
- 9. Provides knowledge about fire spread and behavior, aiding in making informed decisions during emergencies.
- 10. Empower individuals to be proactive in promoting fire safety in their homes, workplaces, and public spaces.

Course Outcomes:

A candidate who has completed his or her qualification will have the following learning outcomes in terms of Knowledge, skills, and concepts.

CO1: Increase awareness of fire hazards and potential risks in various environments.

CO2: Teach participants about fire prevention strategies and best practices to minimize the likelihood of fires.

CO3: Educate individuals on the proper use of fire extinguishers and other firefighting equipment.

CO4: Familiarize participants with evacuation procedures and emergency protocols during a fire incident.

CO5: Enhance understanding of fire safety regulations and compliance standards.

CO6: Raise awareness of the importance of early detection and reporting of fire incidents.

CO7: Train participants on the safe and effective evacuation of buildings and designated assembly areas.

TOPICS/CONTENTS

Unit:1 Introduction to Fire Safety.

10

- 1.1 Definition of fire safety
- 1.2 Importance of fire safety
- 1.3 Common causes of fires
- 1.4 Impact of fires on life, property, and the environment

Unit: 2 Fire Prevention and Risk Assessment.

10

- 2.1 Common causes of fires
- 2.2 Identifying potential fire hazards in different environments.
- 2.3 Conducting fire risk assessments.
- 2.4 The components of the fire triangle (fuel, heat, oxygen)
- 2.5 Fire development stages

Unit: 3 Emergency Response and Evacuation Procedures.

10

- 3.1 Actions to take when a fire is discovered
- 3.2 Emergency evacuation plans and procedures
- 3.3 Evacuation routes and assembly points

References:

- 1. N Sesha Prakash (2017) "Manual of Fire Safety" CBS Publications ISBN 978-8123919904
- 2. Barendra Mohan Sen (2021) "Fire Righting Vol-1 Techno World Kolkata, ISBN-978-93-88347-67-9
- 3. Akhil Kumar Das (2020) "Principles of Fire Safety Engineering Understanding Fire and Fire protection" PHI Learning Pvt. Ltd. ISBN 978-9389347234
- 4. R. K. Jain and Sunil Rao (2000) "Industrial Safety, Health and Environment Management Systems" Khanna Publishers 978-8174092106

Choice Based Credit System Syllabus (2023 Pattern) Mapping of Program Outcomes with Course Outcomes

Class: TYBA (SEM-V) Subject: Defence and Strategic Studies

Course: Fire Safety

Course Code: DEF-321-VSC

Weightage: 1= weak or low relation, 2= moderate or partial relation, 3= strong or direct relation

Programme Outcomes (POs)											
CO \ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	
CO1	2	2	1	2	3	3	2	2	2	3	
CO2	2	2	1	2	3	3	2	2	2	3	
CO3	2	2	1	2	3	3	2	2	3	2	
CO4	2	2	1	2	3	3	3	2	2	3	
CO5	2	2	1	3	3	2	2	2	2	2	
CO6	2	2	1	2	3	3	2	2	2	3	
CO7	2	2	1	2	3	3	3	2	2	3	

PO1	Critical and Creative Thinking: Participants analyze potential fire hazards and creatively
	develop preventive measures and emergency response plans (CO1, CO2, CO6).
PO2	Communication Skill: Effective communication is essential for reporting incidents, guiding
	evacuations, and sharing fire safety information (CO3, CO4, CO6, CO7).
PO3	Multicultural Competence: Fire safety protocols must be inclusive and adaptable across
	diverse populations and workplace cultures (CO1, CO2, CO4).
PO4	Research Skills: Understanding fire safety standards and equipment use involves researching
	laws, case studies, and best practices (CO3, CO5, CO6).
PO5	Environmental Awareness: The course builds awareness of how fires impact human health
	and the environment, emphasizing eco-friendly prevention and response (CO1, CO2, CO5).
PO6	Problem-solving Abilities: Training simulates real-life scenarios where participants must
	assess risks and respond quickly and effectively (CO2, CO4, CO6, CO7).
PO7	Collaboration and Teamwork: Coordinated evacuation drills and fire safety tasks build team-
	oriented thinking and collective responsibility (CO4, CO6, CO7).
PO8	Value Inculcation: The course instils values like responsibility, safety, care for others, and
	community protection (CO1, CO5, CO6).
PO9	Digital and Technological Skills: Learners are introduced to modern safety equipment, alarm
	systems, and digital monitoring technologies (CO3, CO5).
PO10	Community Engagement and Service: Participants are prepared to contribute to fire safety
	initiatives in schools, workplaces, and neighborhoods (CO1, CO2, CO6, CO7).