

**ANEKANT EDUCATION SOCIETY'S
TULJARAM CHATURCHAND COLLEGE
OF ARTS, SCIENCE AND
COMMERCE, BARAMATI
(AUTONOMOUS)
DEPARTMENT OF DEFENCE AND
STRATEGIC STUDIES**



**CURRICULUM FOR
FIRST YEAR BACHELOR OF ARTS
2022 PATTERN**

B.A. First Year CBCS Pattern 2022
Semester Pattern
Defence and Strategic Studies

The following shall be the scheme for examination and teaching for Defence and Strategic Studies subject for B.A. First year semester-II

Semester II

Paper No.	Name of the Paper	Type of the paper	Paper Code	Number of Periods per Week	Internal Marks	External Marks	Mark Each Paper	Credits
G-I (A)	Defence Mechanism of India	Theory	UADS121(A)	04	40	60	100	03
G-I (B)	Key Concept of National Security	Theory	UADS121(B)	04	40	60	100	03

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TULJARAM CHATURCHAND COLLEGE OF ARTS, SCIENCE AND COMMERCE,
BARAMATI (Autonomous)
Subject: Defence and Strategic Studies
Class: FYBA, 2022 Pattern

Paper Title: Defence Mechanism of India
Paper Code- UADS121A
Semester II

Course Objective:

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

1. The basic Learning Objective of this paper is to make aware the students about India's Defence structure.
2. Student will be able understand the decision-making process over the security issues in India
3. To provide information of all wings of Indian Armed Forces and related services
4. To introduce students' division and functions of different wings of Military, Paramilitary, and other institutions
5. To develop the necessary theoretical & experimental knowledge, and aptitude regarding defence technologies and systems.
6. Student will be able to analyze the Defence operations performed by India from the point of view of armed forces.
7. This paper covers overall picture of India's Defence structure which encompasses evolution of defence forces, principle of defence administration as well as role of Armed Defence forces in internal and external security.

Course Outcome:

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

CO1: Conduct advanced strategic analysis of India's geopolitical environment, identifying emerging threats and opportunities.

CO2: Apply strategic thinking to assess the evolving nature of global and regional security and analyse the challenges and opportunities in the process of military modernization.

CO3: Examine the involvement of the military in disaster response and relief operations.

CO4: Analyse the coordination between civil and military authorities during emergencies.

CO5: Examine India's maritime security policies and the role of the Indian Navy.

CO6: Analyse challenges and opportunities related to maritime security.

CO7: Explore the challenges and strategies related to border security, including territorial disputes and cross-border threats.

CO8: Analyse the role of the military in safeguarding territorial integrity.

CO9: Student will be able understand structure and organization of the Indian armed forces, including the Army, Navy, Air Force, and other defence agencies.

CO10: Understand the dynamics of civil-military relations in India.

CO11: Analyse the role of the military in a democratic society and the importance of civilian oversight.

CONTENT

Credit: 3

No of Lectures: 48

Unit 1: Fighting Arms (14 L)

- 1.1 Infantry
- 1.2 Characteristics and Role of Infantry
- 1.3 Infantry Divisions and Infantry Battalion Organization
- 1.4 Armored Corps
- 1.5 Characteristics and role of Armored Corps

Unit 2: Supporting Arms (09 L)

- 2.1 Artillery: Features, and Role
- 2.2 Engineers Corps: Characteristics and Role
- 2.3 Signal Corps: Characteristics and Role

Unit 3: Indian Missiles (13 L)

- 3.1 India's Missile Programme
- 3.2 Types of Missiles
- 3.3 Missile Subsystems
- 3.4 Current Indian Missiles

Unit 4: Indian Navy (06 L)

- 4.1 Characteristics and Role
- 4.2 Various types of battleships in Indian Navy
- 4.3 Coast Guard

Unit 5: Indian Air force (06 L)

- 5.1 Characteristics and Role
- 5.2 Various types of aircrafts in Indian Air Force

References:

1. Ashok Kapur, India- to regional to world power, Routledge Taylor, and Francis group, 2006
2. Major K C Praval, Indian Army After Independence, Tlic lancer publishers and distributors, New Delhi 110016
3. Lt. Col. Gautam Sharma, Nationalism of the Indian Arin (1885-1997), Allied publishers limited, 1996
4. Harsh Pant, the rise of the Indian Navy, Ashgate Publishing Limited, England
5. William Wild, Supporting Combined-Arms Combat Capability with Shared Electronic Maintenance Facilities, Rand Corporation, 1990
6. Simone Payment, Frontline Marines, the Rosen Publishing Group Inc, New York.
7. Lt. Col. M.D. Sharma, Paramilitary Forces of India, Kalpaz publications, 2008
8. Fundamentals of Guided Missiles - rear Admiral Sr Mohan, vSM (retd) Defence research and Development Organization Ministry of Defence, New Delhi – 110 011, 2016
9. India's Strategic Nuclear and Missile Programmes A baseline study for non-proliferation compliance Public Release Project Alpha Centre for Science and Security Studies King's College London 2017

Readings:

1. Ministry of Defense, Annual Reports
2. Defense Year book (Annual)
<https://nptel.ac.in/courses/101108056/module4/lecture8.pdf>
3. Online Resources:

IDSA.com, VIF.Com, Clwas. Com, Orf.com, Usib.in

Choice Based Credit System Syllabus (2022 Pattern)

Mapping of Program Outcomes with Course Outcomes

Class: FYBA (SEM-II)

Subject: Defence and Strategic Studies

Course: Defence Mechanism of India

Course Code: UADS121(A)

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

Programme Outcomes (POs)								
Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	1	1	3	3	3	1	3
CO 2	2	1	1	3	3	3	1	3
CO 3	2	3	3	3	3	3	1	3
CO 4	2	2	2	3	3	3	1	3
CO 5	3	1	1	3	3	3	1	3
CO 6	2	1	1	3	3	3	3	3
CO 7	3	2	2	3	3	3	1	3
CO 8	2	1	1	3	3	3	1	3
CO 9	2	1	1	3	3	3	1	3
CO 10	2	2	2	3	3	3	1	3
CO 11	2	2	2	3	3	3	2	3

Justification for the mapping

PO1	<p>Research-Related Skills: PO1, Research-Related Skills, pertains to the ability to conduct research effectively, including gathering information, analysing data, and drawing informed conclusions. In summary, most of the course outcomes in the program are relevant to PO1 Research-Related Skills, as they involve conducting research and utilizing information to analyse various aspects of military and security studies.</p>
PO2	<p>Effective Citizenship and Ethics: PO2, Effective Citizenship and Ethics, involves the understanding and application of ethical principles, as well as the development of responsible citizenship. Outcome 1, 2, 5, 6, 8, 9 has limited relevance, as the emphasis is on analysis rather than ethical or citizenship considerations. outcome 3, 7, 10, 11 are relevant, as this outcome involves coordination between civil and military authorities, which may require ethical decision-making and responsible citizenship in crisis situations.</p>
PO3	<p>Social competence: Outcome 1, 2, 5, 6, 8, 9 has limited social competence is evident here, as the focus is on military analysis rather than direct social interactions. outcome 3, 7, 10, 11 aligns with social competence as it involves analysing the role of the military in a democratic society, which has social and political dimensions. In summary, while the program's primary focus is on strategic and military analysis, there are specific outcomes that incorporate elements of social competence, especially when dealing with disaster response, civil-military relations, and understanding the social dimensions of challenges like border security.</p>

PO4	<p>Disciplinary Knowledge: Disciplinary Knowledge refers to the specialized understanding and expertise within a particular academic or professional field. It involves a deep comprehension of the principles, theories, concepts, methodologies, and practices that characterize a specific discipline. Disciplinary knowledge is about the theoretical and conceptual understanding that underlies those applications. All the course outcomes are relevant to PO4 Disciplinary Knowledge as they require specialized knowledge in various aspects of military and security studies.</p>
PO5	<p>Personal and professional competence: All the course outcomes are relevant to PO5 Personal and Professional Competence, as they require a combination of advanced analytical skills, strategic thinking, and a deep understanding of military and geopolitical matters.</p>
PO6	<p>Self-directed and Life-long learning: The Self-directed and Life-long Learning (PO6) outcome emphasizes students' ability to take initiative in their own learning, continuously develop their skills, and adapt to new challenges. In summary, each course outcome in the provided program aligns with the Self-directed and Life-long Learning (PO6) outcome by emphasizing the need for students to take initiative in seeking knowledge, continuously developing skills, and adapting to the evolving landscape of national security and defence studies.</p>
PO7	<p>Environment and Sustainability: While not every course outcome explicitly focuses on environmental and sustainability issues but analysing challenges and opportunities in maritime security may include considering environmental factors, such as the impact of maritime activities on ecosystems and biodiversity.</p>
PO8	<p>Critical Thinking and Problem solving: Critical Thinking and Problem-Solving (PO8) outcome is integral to each of the listed course outcomes, emphasizing advanced analysis, strategic thinking, and effective problem-solving skills in the context of national security and defence studies. The Critical Thinking and Problem-Solving (PO8) outcome align with several course outcomes in the provided program, especially those that involve advanced analysis, strategic thinking, and the examination of complex issues.</p>

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BARAMATI (Autonomous)
Subject: Defence and Strategic Studies
Class: FYBA, 2022 Pattern

Paper Title: Key concept of National Security
Paper Code- UADS121B
Semester II

Course Objective:

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 key concepts of national security.
2. To make aware of various conventional and non-conventional threats.
3. To make aware of power rivalry in Indian Ocean region.
4. Enrich students with critical analyzing skills regarding various factors which influence strategy, tactics, and military operations.
5. This paper covers overall picture of India's National Security which encompasses the internal, external challenges to India's National Security along with its dimensions.
6. Students will get through knowledge of India's internal and external security environment
7. Student will be able to understand presence of superpowers in Indian Ocean and its impact over India's security environment.

Course Outcome:

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 be able to understand various conventional and non-conventional threats.

CO2: Student will be able to understand power rivalry in Indian Ocean region.

CO3: Student will be able to understand presence of superpowers in Indian Ocean and its impact over India's security environment.

CO4: Conduct advanced threat analyses, considering emerging and evolving threats to national security.

CO5: Apply sophisticated methodologies for evaluating the severity and likelihood of potential threats.

CO6: Analyze advanced global security dynamics, including geopolitical shifts, alliances, and regional security challenges.

CO7: Understand the impact of global events on a nation's security posture.

CO8: Explore the concept of human security and its relationship with national security.

CO9: Analyze policies and strategies that prioritize the well-being and safety of individuals.

CO10: Analyze advanced aspects of civil-military integration in national security planning and execution.

CONTENT

National Security from Indian Perspective

Credit: 3

No of Lectures: 48

Unit 1 Threats from Immediate neighbors (20L)

1.1 Pakistan

1.1.1 Brief History

1.1.2 War of 1947-1948

- 1.1.3 War of 1965
- 1.1.4 War of 1971
- 1.1.5 War of 1999
- 1.2 China
 - 1.2.1 Historical Background
 - 1.2.2 War of 1962
 - 1.2.3 Doklam Crisis-2017
 - 1.2.4 Galvan Crisis-2020

Unit 2: Conventional Non-Conventional Threats to India (20L)

- 2.1 Water
- 2.2 Energy
- 2.3 Food
- 2.4 Environment
- 2.5 Cyber

Unit 3: India and Indian Ocean (06 L)

- 3.1 India's extended neighborhood
- 3.2 Geographical and strategic importance
- 3.3 India's Maritime Security
- 3.4 India's Strategic role in Indian Ocean

References:

1. Balchandran Vappala, National Security and Intelligence Management/a New Paradigm, New Delhi, Jan 2014.
2. Behara Laxman K. India's Defence Industry an agenda for making in India(ed), IDSA, New Delhi, 2016.
3. Das Gautam, Insurgency in Northeast India, Pentagon Press, New Delhi, 2013
4. Deshpande Vikrant, Hybrid Warfare: The Changing Character of Conflict, Pentagon Press, New Delhi, 2018.
5. Eugenie de Silva, National Security and Counterintelligence in the Era of Cyber Espionage (Advances in Digital Crime, Forensics, and Cyber Terrorism), Vargina Research Institute USA, 2016.
6. Kumar Ashok, Challenges to Internal Security of India, McGraw Hill Education (India) Private Limited, Chennai, 2017.
7. Kumar Satish, India's National Security, Taylor & Francis, New Delhi, 2016.
8. Nayak Nihar R., Understanding India's Maoist, IDSA, New Delhi, 2014.
9. Sing A.K. (ed), Military Strategy for India in the 21st Century, KW Publisher Pvt. Limited, New Delhi, 2019.
10. Shevendra Sahni, Perspectives on India's National Security Challenges: External and Internal Dimensions, Pentagon Press, New Delhi, 2016

Online Resources:

- 1) IDSA.com
- 2) VIF. Com
- 3) CIwas.Com
- 4) Orf.com
- 5) Usib.in

Choice Based Credit System Syllabus (2022 Pattern)

Mapping of Program Outcomes with Course Outcomes

Class: FYBA (SEM-II)

Subject: Defence and Strategic Studies

Course: Key Concepts of National Security

Course Code: UADS121(B)

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

Programme Outcomes (POs)								
Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	2	1	3	3	3	3	3
CO 2	3	2	1	3	3	3	1	3
CO 3	3	2	1	3	2	3	1	3
CO 4	3	2	1	3	2	3	1	3
CO 5	3	2	1	3	3	3	1	3
CO 6	3	2	1	3	2	3	1	3
CO 7	3	2	1	3	2	3	1	3
CO 8	3	2	1	3	3	3	1	3
CO 9	3	2	1	3	2	3	1	3
CO 10	3	2	1	3	3	3	1	3

Justification for the mapping

PO1	<p>Research-Related Skills: PO1, Research-Related Skills, pertains to the ability to conduct research effectively, including gathering information, analysing data, and drawing informed conclusions. In summary, PO1, Research-Related Skills, is highly relevant to the program's course outcomes as it encompasses the ability to gather, analyse, and synthesize information crucial for understanding concepts, theories, and analytical skills within the field of security.</p>
PO2	<p>Effective Citizenship and Ethics: PO2, Effective Citizenship and Ethics, involves the understanding and application of ethical principles, as well as the development of responsible citizenship. The course outcomes also have implications for effective citizenship and ethics (PO2), which involve understanding one's role in society and acting ethically in various contexts. The course outcomes contribute to effective citizenship and ethics by providing students with the knowledge, skills, and perspectives needed to engage responsibly and ethically in the nation.</p>
PO3	<p>Social competence: PO3, Social Competence, involves the ability to effectively engage with and navigate social contexts, demonstrating interpersonal skills, cultural awareness, and an understanding of ethical considerations. The course outcomes in the program outcome do not explicitly prioritize social competence but contribute to social competence by providing students with the knowledge, skills, and perspectives needed to engage effectively in social and cultural contexts related to internal security issues.</p>

PO4	<p>Disciplinary Knowledge: PO4, Disciplinary Knowledge, focuses on the specialized understanding and expertise within a particular academic or professional field. All the course outcomes align well with PO4 Disciplinary Knowledge, as they cover a range of concepts, theories, and analytical skills within the field of security studies.</p>
PO5	<p>Personal and professional competence: PO5, Personal and Professional Competence, focuses on developing the skills and capabilities necessary for success in personal and professional life. Most of the course outcomes are aligned with the development of personal and professional competence, as they equip students with knowledge, skills, and perspectives that are valuable in various professional contexts related to security studies.</p>
PO6	<p>Self-directed and Life-long learning: PO6, Self-directed and Life-long Learning, focuses on the ability of students to take responsibility for their own learning and continue learning throughout their lives. The course outcomes are well-aligned with the principles of self-directed and life-long learning, as they involve active engagement, critical analysis, and continuous exploration of security concepts and theories.</p>
PO7	<p>Environment and Sustainability: PO7, Environment and Sustainability, focuses on understanding the environmental impact of human activities, promoting sustainability, and considering environmental factors in decision-making. The primary focus of the course appears to be on security concepts, and various security considerations. However, they do not directly align with the stated program outcome "PO7 Environment and Sustainability but CO1 directly align with this PO because it is related to non-conventional threats.</p>
PO8	<p>Critical Thinking and Problem solving: The course outcomes of Key concepts of national security align with the program outcomes listed and reflect a comprehensive approach to understanding and analysing various aspects of security concepts. Overall, the course seems to emphasize a balance between theoretical understanding, historical context, and practical application of knowledge in addressing real-world security challenges. The outcomes collectively promote PO8 critical thinking and problem-solving skills in the field. Provided course outcomes seem well-aligned with the program's emphasis on critical thinking and problem-solving, particularly in the context of national security studies.</p>