

Govt. Nagarjuna P.G. College of Science, Raipur (C.G.)



CURRICULUM & SYLLABI (Based on CBCS & LOCF)

M.Sc. IV SEMESTER

PROGRAMME STRUCTURE

Course Nature	Course Code	Course Title	Course Type (T/P)	Hrs/ Week	Credits	Marks		
						CIA	ESE	Total
Core	DS-401	India's Defence Management	T	6	4	30	70	100
Core	DS-402	India's Internal Security & Policies	T	6	4	30	70	100
Core	DS-403	Legal Aspects of International Security	T	6	4	30	70	100
Core	DS-404	International Organisation & India	T	6	4	30	70	100
Core	DS-405	Basics of TEWTs/Sand Model	P	6	2	30	70	100
Core	DS-406	Military Psychological Experiments - II	P	6	2	30	70	100

Applicable for admission from A.Y. 2026-27 onwards

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M. Sc. IV Semester

Session: January-June 2027

Course/Paper - I (Code : DS-401)

Course Title: India's Defence Management

Detailed Syllabus/Curriculum:

Unit	Topics	No. of Lectures	CO No.
I	Higher Defence Organisation in India • Structure and Function of the Ministry of Defence • Role of the Cabinet Committee on Security (CCS) • Role of the National Security Council (NSC) and National Security Advisor (NSA) • Chiefs of Staff Committee and Integrated Defence Staff (IDS) • Role and Function of the Chief of Defence Staff (CDS)	15	1
II	The Indian Armed Forces During Peace and War time • Role of Indian Army • Role of Indian Navy • Role of Indian Air Force • Role of Parachute Regiment, MARCOS & Garuda Commando	15	2
III	India's Second Line of Defence • Structure, Functions and Characteristics of CPMFs • Structure, Functions and Characteristics of CAPFs • CPMFs & CAPFs in India's Internal Security Management • Role of CPMFs & CAPFs in India's Borders Management	15	3
IV	Structure of Indian Intelligence Agencies • Structure & Functions of India's External Intelligence Agency • Structure & Functions of India's Internal Intelligence Agency • Structure & Functions of India's Defence Intelligence Agency • Structure & Functions of India's Economy Intelligence Agency	15	4

Government Report/Websites:

1. Annual Reports of Ministry of Defence, Government of India.
2. Annual Reports of Ministry of Home Affairs, Government of India.
3. Press Information Bureau, Government of India.
4. Kargil Review Committee Reports on National Security.
5. Official Websites of Ministry of Defence and Ministry of Home Affairs, Government of India.
6. Official Websites of Indian Army, Indian Navy and Indian Airforce.

Reference Books:

1. **K. Subrahmanyam and Arun Sahgal** – *India's National Security: Annual Review*
2. **Harsh Pant** – *Indian Defence Policy and Strategic Thought*
3. **Stephen Cohen** – *Arming Without Aiming: India's Military Modernization*

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Course/Paper - II (Code : DS-402)

Course Title: India's Internal Security & Policies

Detailed Syllabus/Curriculum:

Unit	Topics	No. of Lectures	CO No.
I	• Concept and Dimensions of Internal Security • Internal Security vs National Security • Traditional aspect of Internal Security Problems in India • Non-Traditional Aspect of Internal Security Problems in India	15	1
II	• Militancy in Jammu and Kashmir - Article 370, AFSPA • Left-Wing Extremism (Naxalism/Maoism) – Causes, Spread and State Response • Insurgency in North-East India – Ethnic Conflicts and Peace Accords • Illegal Migration and Refugee Problem in India	15	2
III	• Institutional Frameworks: CCS, NSC, NSA and NSAB • Security Frameworks: Armed Forces and Para-military Forces and State Police Forces • Legal Frameworks: UAPA, NSA, NIA Act and AFSPA • Intelligence Frameworks: IB, RAW, NIA, CBI and NTRO	15	3
IV	• India's Defence Doctrine & Strategy includes Nuclear Doctrine • India's Look East and Act East Policy • India's Maritime Security Policy and Strategy in 21st Century • Terrorism and Counter-Terrorism Policy of India	15	4

Government Report/Websites:

1. Annual Reports of Ministry of Home Affairs, Government of India.
2. Press Information Bureau, Government of India.
3. MP-IDSA Journal (Manohar Parrikar Institute for Defence Studies and Analyses)
4. South Asia Terrorism Portal (SATP)
5. Institute for Conflict Management Reports
6. India Yearbook (2020-2024)
7. Annual Reports of Ministry of Home Affairs, Government of India.

Reference Books:

1. K.P.S. Gill – *Terror and Containment: Perspectives on India's Internal Security*
2. Ashok Kumar & Vipul Anekant – *Internal Security*
3. Vivek Chadha – *Internal Security Challenges in India* Palit,
4. D.K. Palit - *Essentials of Guerilla Warfare*
5. Manoranjan Mohanty - *Political Philosophy of Mao Tse-Tung*
6. Shekhar Gupta – *India Redefined: Internal and External Security*

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Course/Paper - III (Code : DS-403)

Course Title: Legal Aspects of International Security

Detailed Syllabus/Curriculum:

Unit	Topics	No. of Lectures	CO No.
I	• Definition, Nature and Basis of International Law • Sources and Historical development of International Law • Concept of State, Recognition of State and Nationality • Settlement of Disputes: Peaceful & Coercive Methods	15	1
II	• International Law on Land warfare • International Law on Maritime warfare • International Law on Aerial warfare • International Law on Atomic, Biological & Chemical Warfare	15	2
III	• International Law on Refugee and Asylum • Diplomatic Agents and Consuls • Neutrality – Characteristics Right and Duties of Neutrals State • Extradition, Intervention and Blockade	15	3
IV	• Just War Theory • War Crime and Genocide • International Conventions on Human Rights -1948 • Protection of Human Rights under protection of Human Rights Act-1993	15	4

Government Report/Websites:

1. Geneva Conventions (1949) and Additional Protocols (1977)
2. Universal Declaration of Human Rights (1948)
3. Protection of Human Rights Act, 1993 (India)
4. UNHCR Reports on Refugees and Asylum Law
5. Important International Treaties and Conventions

Reference Books:

1. Oppenheim – International Law Vol I and II
2. Julius Stone – Legal Controls of International Conflict
3. S.K. Kapoor – Public International Law
4. Quincy Wright – Study of War
5. S.K. Kapoor – *International Law and Human Rights*
6. H.O. Aggarwal – *Public International Law*
7. B.R. Sharma – *Human Rights in the 21st Century*
8. R.P Anand – New States and International Law

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Course/Paper - IV (Code : DS-404)

Course Title: International Organisation and India

Detailed Syllabus/Curriculum:

Unit	Topics	No. of Lectures	CO No.
I	• Meaning, Nature & Evolution of International Organisations • Inter-Governmental Organisations (IGOs) • Non-Governmental Organisations (NGOs) • Role of International Organisations in World Politics	15	1
II	• The UN System – Evolution in a changing global context • Regional Organizations (EU, ASEAN, SAARC) • G20, BRICS, QUAD • Arms Control and Disarmament Organisations	15	2
III	• Global Economic Governance: World Bank, IMF, WTO • Climate Change Governance: UNFCCC, COP Summits • Humanitarian & Development Governance: WHO, UNESCO, UNHCR • Security Cooperation & Collective Defence - NATO, INTERPOL	15	3
IV	• Reforming Global Governance: North-South Divide, Representation Crisis • G4 & Coffee Club • South-South Cooperation, Multilateralism and India • India's Participation in the UN System & Global Governance	15	4

Government Report/Websites:

1. MEA Annual Reports – India's Role in Multilateral Forum
2. Reports from Global Governance Forums and World Economic Forum
3. SAARC Declarations, ASEAN Summits
4. G20 Leaders' Summits, BRICS Joint Statements
5. ORF, Carnegie India, Brookings Reports on QUAD, Indo-Pacific
6. India's Permanent Mission to the UN (Website)

Reference Books:

1. C. Raja Mohan – *Crossing the Rubicon: The Shaping of India's New Foreign Policy*
2. Bimal Jalan – *Emerging Economies and the World Economy*
3. Sujata Ashwarya – *India's Role in the Contemporary World Order*
4. Baylis, Smith & Owens – *The Globalization of World Politics*
5. CFR (Council on Foreign Relations) – *Backgrounders on WTO, IMF, UN, NATO, G20*
6. Paul Taylor & A.J.R. Groom – *International Organisation: A Conceptual Approach*
7. Ramesh Thakur – *The United Nations, Peace and Security*

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M.Sc. (Defence Studies) Semester-IV (Lab Course-A)

Program	Subject	Year	Semester
M.Sc.	Defence Studies	II	IV
Course Code	Course Title		Course Type
DS - 405	Basics of TEWTs/Sand Model		Core
Credit	Hours Per Week (L-T-P)		
	L	T	P
02	2	-	4
Maximum Marks	CIA		ESE
100	30		70

Detailed Syllabus/Curriculum:

Topics	No. of Lectures
Basics of TEWTs - • Definition and Types of Tactical Exercises • Appreciation of Military Situation up to BN level of exercise on Rescue Operation. • Role of TEWTs decision-making and war-gaming	60
Mini Research Project - • Introduction to Research in Defence Studies • Research Design and Methodology • Tools of Data Collection and Analysis • Report Writing and Documentation	

Books Recommended:

1. Indian Army Training Manual on TEWTs
2. Maj Gen (Retd.) S. K. Chakravorty – *Tactical Exercises Without Troops: A Practical Guide for Military Instructors*
3. Colonel A.K. Sharma – *Military Tactics and Decision-Making Exercises*
4. Journal of Defence Studies (MP-IDSA) – Articles on decision-making simulations and command post exercises
5. C.R. Kothari & Gaurav Garg – *Research Methodology: Methods and Techniques*

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M.Sc. (Defence Studies) Semester-IV (Lab Course-B)

Program	Subject	Year	Semester
M.Sc.	Defence Studies	II	IV
Course Code	Course Title		Course Type
DS - 406	Military Psychological Experiments - II		Core
Credit	Hours Per Week (L-T-P)		
	L	T	P
02	2	-	4
Maximum Marks	CIA		ESE
100	30		70

Detailed Syllabus/Curriculum:

Topics	No. of Lectures
Spotting and Illusion - 1) Mirror Drawing Test 2) Muller Layer Illusion Test 3) Spotting of Tank and Aircraft Psychology Test in SSB Interview - 4) Word Association Test (WAT) 5) Situation Reaction Test (SRT) 6) Self-Description Test (SDT)	60

Books Recommended:

1. **A Modern Approach to Verbal & Non-Verbal Reasoning – R. S. Aggarwal** – Useful for mirror images, figure perception, spatial reasoning, and intelligence tests.
2. **Military Aircraft of the World – John Lake** – Reference guide for aircraft recognition and identification exercises.
3. **Psychology for SSB Interviews – Dr. N. K. Natarajan** – Detailed explanation and practice exercises for WAT, SRT, TAT, and SDT.
4. **Officer Like Qualities (OLQs): A Guide to Personality Development** – Reference material for understanding leadership traits and self-assessment in SSB.
5. **India's Defence Yearbook** – Useful for defence awareness, military technology, and contemporary developments in the armed forces.