

University of Kalyani

West Bengal, India



Proposed Syllabus

B.A. / B.Sc. FOUR YEARS' UNDER-GRADUATE PROGRAMME COURSE WITH MULTIDISCIPLINARY COURSES

IN

DEFENCE AND STRATEGIC STUDIES

Effective from Academic Session 2023-24 under NEP 2020

Preamble

National Education Policy (NEP) 2020 aims at to develop and create suitable resourceful manpower to cope with the present and future requirements of our developing industry and economy and with this view UGC highlights to achieve quality of Higher Education to develop good, thoughtful well-rounded and creative individuals through its UGCF (Undergraduate Curriculum Framework), 2023. With this end in view UGC has synchronized CBCS (Choice Based Credit System) and LOCF (Learning Outcome Curriculum Framework) on 'entry-exit and re-entry' option basis for imparting Higher Education through Educational Institutions all over the country so that teaching, learning and research in higher education can reach its peak nationally and internationally.

UGCF emphasizes on Multidisciplinary Courses in addition to main subjects to show students the right path for understanding the objectives of desired change in the curriculum for better administration and governance of our institutions in all spheres and human resource development so that they can contribute to the nation building in future.

So to achieve the aim of NEP-2020 the course of Defence and Strategic Studies (DSS) has been framed keeping in mind the changes that have taken place in national and international security situation as well as the relationship between defence, security & peace from the stand point of national interest as well as for the interest of general citizen of the country. The syllabi of this Subject have been framed considering the syllabi of different universities of the country following the UGC guideline. It is expected that the syllabi will satisfy the interdisciplinary nature of study in character and very much compatible with the present need of the country.

**BOARD OF STUDIES FOR
DEFENCE & STRATEGIC STUDIES (DSS)
UNIVERSITY OF KALYANI
Kalyani, Nadia, West Bengal – 741235, India**

Syllabus Developed by the following members of BOS, Defence & Strategic Studies

Sl. No.	Name	Designation	Department	College/University
1.	Dr. Shiladitya Chakraborty, Chairperson, BOS	Professor	Political Science	University of Kalyani
2.	Dulal Kumar Basu, Major	Associate Professor (Retd.)	Defence Studies	R. D. K. College, K.U.
3.	Dipika Lama	Assistant Professor	Defence Studies	S.R. L. Mahavidyalaya, K.U.
4.	Dr. Anindya Jyoti Majumder, External Member	Professor	International Relations	Jadavpur University
5.	Dr. Souradeep Sen, External Member	Assistant Professor	Political Science	University of North Bengal

Semester-wise Proposed Course Structure of U.G. Programme (NEP-2020) B.A. / B.Sc.

(Based on Common Minimum Syllabus for Under Graduate Colleges as per UGC guideline)
In
Defence & Strategic Studies (DSS)

Table - I

SEMESTER-WISE TITLES OF THE PAPERS IN UG DEFENCE & STRATEGIC STUDIES (DSS)							
B.A. / B.Sc. (First Year)							
Semester - I							
Type of Course	Course Code	Paper Title	Credit	No. of Lectures	Evaluation		Total Marks
					Internal	Semester End	
Major	DSS–MJ-T-001	Basics of Defence & Strategic Studies	6	90	15	60	75
Minor	DSS–MI-001	India’s National & Internal Security: Issues & Problems	4	60	10	40	50
MDC	DSS-MDC- 001	Introduction to National Cadet Course (NCC)	3	45	10	35	45
SEC	DSS-SEC-001	Human Rights	3	45	10	35	45
VAC	-	Environmental Education	4	45	10	40	50
Total			20		55	210	
Semester - II							
Major	DSS–MJ-T-002	A. Theory: Conceptual Aspects of war	4	60	15	60	75
	DSS–MJ-P-001	B. Practical: Military Geography - I	2	30			
Minor	-	Subject other than DSS	4	60	10	40	50
MDC	DSS-MDC- 002	Armed Forces & Society	3	45	10	35	45
AEC	-	Subject other than DSS	4	60	10	40	50
SEC	DSS-SEC-002	Disaster Management	3	45	10	35	45
Total			20		55	210	
	Progressive Total of Credits		40				
Certificate issued on successful completion of Semester I & II with one Summer internship of 4 credits for those who exit after one year							

Abbreviations: 1. DSS for Defence & Strategic Studies, 2. MDS for Multidisciplinary Course (Exam. to be carried out by the College), 3. AEC for Ability Enhancement Course, 4. SEC for Skill Enhancement Course, 5. VAC for Value Added Course. 6. MJ-T for Major Theoretical Course, 7. MJ-P for Major Practical Course & 8. MI-T for Minor Theoretical Course

Table – II

SEMESTER-WISE TITLES OF THE PAPERS IN UG DEFENCE & STRATEGIC STUDIES (DSS)							
B.A. / B.Sc. (Second Year)							
Semester - III							
Type of Course	Course Code	Paper Title	Credit	No. of Lectures	Evaluation		Total Marks
					Internal	Semester End	
Major	DSS–MJ-T-003	A. Theory: Introduction to National Security of India	4	60	15	60	75
	DSS–MJ-P-002	B. Practical: Military Geography - II	2	30			
Minor	DSS–MI-T-002	Mechanism of Warfare & Strategic Thought	4	60	10	40	50
MDC	DSS–MDC-T- 003	Defence Journalism	3	45	10	35	45
SEC	DSS–SEC-T-003	Cyber Crime & Cyber Security	3	45	10	35	45
VAC	-	Yoga Exercise and Health Benefits	4	45	10	40	50
Total			20		55	210	
Semester - IV							
Major	DSS–MJ-T-004	A. Theory: History of Indian Military System: Evolution from Vedic to Modern	4	60	15	60	75
	DSS–MJ-P-003	B. Practical: Battle Sketch and narration of war with Consequences	2	30			
Major	DSS–MJ-T-005	A. Theory: India's Internal Security: Issues & Problems	4	60	15	60	75
	DSS–MJ-P-004	B. Practical: Military Map Reading - I	2	30			
Minor	-	Subject other than DSS	4	60	10	40	50
AEC	-	Subject other than DSS	4	60	10	40	50
Total			20		50	200	
	Progressive Total of Credits		80				
Diploma issued on successful completion of Semester I to IV with one Summer internship of 4 credits for those who exit after two years							

Table – III

SEMESTER-WISE TITLES OF THE PAPERS IN UG DEFENCE & STRATEGIC STUDIES (DSS)							
B.A. / B.Sc. (Third Year)							
Semester – V							
Type of Course	Course Code	Paper Title	Credit	No. of Lectures	Evaluation		Total Marks
					Internal	Semester End	
Major	DSS–MJ-T-006	A. Theory: Mechanism of Warfare	4	60	15	60	75
	DSS–MJ-P-005	B. Practical: Arms & Armaments	2	30			
Major	DSS–MJ-T-007	Strategic Thought	6	90	15	60	75
Minor	DSS–MI-T-003	Military Geography of India	4	60	10	40	50
Minor	-	Subject other than DSS	4	60	10	40	50
Total			20		50	200	
Semester – VI							
Major	DSS–MJ-T-008	A. Theory: Defence Organisation & Management in India	4	60	15	60	75
	DSS–MJ-P-006	B. Practical: Military Map Reading - II	2	30			
Major	DSS–MJ-T-009	A. Theory: Science & Technology in relation to War	4	60	15	60	75
	DSS–MJ-P-007	B. Practical: Sketching of modern Weapons	2	30			
Major	DSS–MJ-T-010	India's National Security Policy & International Relations	6	90	15	60	75
Internship			2			180+25	
Total			20				
	Progressive Total of Credits		120+2				
UG 3-Years' Degree Certificate issued on successful completion of Semester I to VI with one Summer internship of 2 credits for those who exit for not being eligible to continue for Honours Course							

Table – IV

SEMESTER-WISE TITLES OF THE PAPERS IN UG DEFENCE & STRATEGIC STUDIES (DSS)							
B.A. / B.Sc. (Fourth Year)							
Semester - VII							
Type of Course	Course Code	Paper Title	Credit	No. of Lectures	Evaluation		Total Marks
					Internal	Semester End	
Major	DSS–MJ-T-011	Non-Traditional Security Threats	6	90	15	60	75
Major	DSS–MJ-T-012	Economic & Industrial Bases of India's National Security	6	90	15	60	75
Major	DSS–MJ-T-013	A. Theory: Operations of War & its Procedures	4	60	15	60	75
	DSS–MJ-P-008	B. Practical: Sketching Charts of Attack & Defence	2	30			
Minor	DSS–MI-004	Defence Organisation & Military History of India	4	90	10	40	50
Minor		Subject other than DSS	4		10	40	50
Total			26				
Semester – VIII							
Major	DSS–MJ-T-014	Military Psychology & Collective Security in World Peace	4	60	10	40	50
Major	DSS–MJ-T-015	Conflict Resolution & Peace Management	4	60	10	40	50
Major	DSS–MJ-T-016	Research Methodology	4	60	10	40	50
Total			12+12				
	Progressive Total of Credits		170				
Addition- al		To be notified latter (For Honours without Research)	6				12
Addition- al		To be notified latter (For Honours without Research)	6				12
Disserta- -tion		Project Research- I: Dissertation as per guideline given in detailed Syllabus (For Honours with Research)	6				12
Disserta- -tion		Project Research- II: Dissertation as per guideline given in detailed Syllabus (For Honours with Research)	6				12
Total	Progressive Total of Credits		12+12 = 170				
UG Honours without Research Degree Certificate issued on successful Completion of all Papers from Semester-I to Semester-VIII in addition to completion of 2 Courses (2x6) of 12 Credits & UG Honours with Research Degree Certificate issued on successful completion of all Papers from Semester-I to Semester-VIII in addition to submission of 2 Research Projects (2x6) of 12 Credits							

UNIVERSITY OF KALYANI, NADIA, WEST BENGAL

Summary of Course Structure & Examinations to be conducted for undergraduate Programmes

In

Defence & Strategic Studies (DSS)

According to curriculum framework for undergraduate programmes as per NEP-2020

(Multiple Entry-Exit, Internship, Research and Choice Based Credit System)

Semester	Type of Course	Course Code	Paper Title	Credits	Credits Distribution		No. of Lectures	Evaluation		Total Marks	Duration of Exam. (Hrs)
					Theory	Practical		Internal	Semester end		
I	Major	DSS-MJ-T-001	Basics of Defence & Strategic Studies	6	6	-	90	15	60	75	2- 1/2
	Minor	DSS-MI-T-001	India's National & Internal Security: Issues & Problems	4	4	-	60	10	40	50	2
	MDS	DSS-MDS-T- 001	Introduction to National Cadet Course (NCC)	3	3	-	45	10	35	45	2
	SEC	DSS-SEC-T-001	Human Rights	3	3	-	45	10	35	45	2
	VAC	-	Environmental Education	4	4	-	45	10	40	50	2
Total				20	20	-		55	210	265	
II	Major	DSS-MJ-T-002	A. Theory: Conceptual Aspects of war	6	4	-	60	15	60	75	2
		DSS-MJ-P-001	B. Practical: Military Geography - I		-	2	30				
	Minor	-	Subject other than DSS	4	4	-	60	10	40	50	2
	MDC	DSS-MDC- T-002	Armed Forces & Society	3	3	-	45	10	35	45	2
	AEC	-	Subject other than DSS	4	4	-	60	10	40	50	2
	SEC	DSS-SEC-T-002	Disaster Management	3	3	-	45	10	35	45	2
Total				20	18	2		55	210	265	
III	Major	DSS-MJ-T-003	A. Theory: Introduction to National Security of India	6	4	-	60	15	60	75	2
		DSS-MJ-P-002	B. Practical: Military Geography - II		-	2	30				
	Minor	DSS-MI-T-002	Mechanism of Warfare & Strategic Thought	4	4	-	60	10	40	50	2
	MDC	DSS-MDC-T- 003	Defence Journalism	3	3	-	45	10	35	45	2
	SEC	DSS-SEC-T-003	Cyber Crime & Cyber Security	3	3	-	45	10	40	50	2
	VAC	-	Yoga Exercise and Health Benefits	4	4	-	45	10	35	45	2
Total				20	18	2		55	210	265	
IV	Major	DSS-MJ-T-004	A. Theory: History of Indian Military System : Evolution from Vedic to Modern	6	4	-	60	15	60	75	2
		DSS-MJ-P-003	B. Practical: Battle Sketch and narration of of war with Consequences		-	2	30				
	Major	DSS-MJ-T-005	A. Theory: India's Internal Security: Issues & Problems	6	4	-	60	15	60	75	2
		DSS-MJ-P-004	B. Practical: Military Map Reading - I		-	2	30				
	Minor	DSS-MI-T-002	Subject other than DSS	4	4	-	45	10	40	50	2
	AEC	-	Subject other than DSS	4	4	-	45	10	40	50	2
Total				20	16	4		50	200	250	
			Progressive Total of Credits	80	72	8					

Semester	Type of Course	Course Code	Paper Title	Credit	Credits Distribution		No. of Lectures	Evaluation		Total	Duration of Exam. (Hrs)
					Theory	Practical		Internal	Semester end		
V	Major	DSS-MJ-T-006	A. Theory: Mechanism of Warfare	6	4	-	90	15	60	75	2
		DSS-MJ-P-005	B. Practical: Arms & Armaments		-	2					1
	Major	DSS-MJ-T-007	Strategic Thought	6	6	-	90	15	60	75	2-1/2
	Minor	DSS-MI-T-003	Military Geography of India	4	4	-	60	10	40	50	2
	Minor		Subject other than DSS	4	4	-	60	10	40	50	2
Total				20	18	2		50	200	250	
VI	Major	DSS-MJ-T-008	A. Theory: Defence Organisation & Management in India	6	4	-	90	15	60	75	2
		DSS-MJ-P-006	B. Practical: Military Map Reading - II		-	2					1
	Major	DSS-MJ-T-009	A. Theory: Science & Technology in relation to War	6	4	-	90	15	60	75	2
		DSS-MJ-P-007	B. Practical: Sketching of modern Weapons		-	2					1
	Major	DSS-MJ-T-010	India's National Security Policy & International Relations	6	6	-	90	15	60	75	2-1/2
Total			Internship	18+2			90				
VII	Major	DSS-MJ-T-011	Non-Traditional Security Threats	6	6	-	90	15	60	75	2-1/2
	Major	DSS-MJ-T-012	Economic & Industrial Bases of India's National Security	6	6	-	90	15	60	75	2-1/2
	Major	DSS-MJ-T-013	A. Theory: Operations of War & its Procedures	4	4	-	90	15	60	75	2
		DSS-MJ-P-008	B. Practical: Sketching Charts of Attack & Defence	2	-	2					1
	Minor	DSS-MI-004	Defence Organisation & Military History of India	4	4	-	60	10	40	50	2
	Minor		Subject other than DSS	4	4	-	60	10	40	50	2
Total				26	24	2		65	260	325	
VIII	Major	DSS-MJ-T-014	Military Psychology & Collective Security in World Peace	4	4	-	60	10	40	50	2
	Major	DSS-MJ-T-015	Conflict Resolution & Peace Management	4	4	-	60	10	40	50	2
	Major	DSS-MJ-T-016	Research Methodology	4	4	-	60	10	40	50	2
Total				12						150	2
Honours without Research as well as Honours with Research'				+ 12	= 170						

Important Note:

- On successful completion of Semester I & II one can exit or discontinue study after doing one summer internship Course & for which a candidate is eligible to get a Certificate from University.
- On successful completion of Semester I to Semester IV one can exit or discontinue study after doing one summer internship Course & for which candidate is eligible to get UG. Diploma Certificate from University.
- On successful completion of Semester I to Semester VI one can exit or discontinue study after doing one summer internship Course of 2 credits & for which candidate is eligible to get 'UG. 3 Years' Degree' Certificate from University.
- After successful completion of Semester VI a candidate can take up Honours Course & for which the candidate will have to take admission in Semester VII, if the candidate is found eligible to take up Honours Course as per University norms.
- After successful completion of Semester VII, a candidate can take up 'Honours Course with Research', if the candidate is found eligible to take up 'Honours with Research' Course as per University norms. Otherwise, candidate taken admission in Semester VII will continue as Honours student up to Semester VIII & on successful completion of Semester VIII, a candidate will have to take up two additional courses of 6 credits each for getting 'UG Honours without Research Degree' from University.
- However, candidate taken up 'Honours Course with Research', will have to take up two additional Project /dissertation courses of 6 credits each along with Courses of Semester VIII & on submission of dissertation, candidate will be given certificate of 'Honours with Research' from University, if the candidate's dissertation is adjudged eligible for such Degree.
- Under NEP-2020 a candidate can exit from studies after one year, i.e., on completion of Semester II or at any time thereafter as the system has given a candidate the option of 'exit & enter' up to 7 years from the date of Registration as a student.

UNIVERSITY OF KALYANI, NADIA, WEST BENGAL

(‘A’ Grade NAAC Accredited)



Syllabus of undergraduate Programme Course with the scope of ‘entry-exit-re-entry’ option in the Subject, Defence & Strategic Studies (DSS) with Multiple Choice Based Credit system (CBCS) along with Learning Outcomes Based Curriculum Framework (LOCF), internship and research facility with effect from the session 2024-25 as per NEP 2020

Undergraduate Programme Outcome of the Course

1. On completion of the programme of Bachelor’s in Defence and Strategic Studies, a student would be able to acquire basic competency in strategic affairs covering a wide spectrum of inter-state security to global security issues including non kinetic dimensions.
2. On completion of the programme a student will be able to develop capability in understanding the implications of the use of threat and force in International relations.
3. A student will be able to develop knowledge to identify and apply the acquired knowledge in defence and strategic studies on contemporary issues of strategic relevance.
4. The knowledge on the subject will allow a student to move from LOTS (Lower Order of Thinking Skills) to HOTS (Higher Order of Thinking Skills) in Defence and Strategic Studies.
5. The learning of strategic studies shall teach the students to think independently for further course of action in his/her life whether pursuing higher education by taking specialized course in honours or seeking a career for him or her.
6. The course curriculum in Defence and Strategic Studies is designed to encourage the acquisition of disciplinary/subject understanding, to gain academic knowledge and professional skills required for any career pursuit be it choosing for higher studies or a job.
7. The outcome based approach, particularly in the context of Defence and Strategic Studies for undergraduate programme will incorporate a significant shift from teachers centric to learner centric pedagogies and from specific to active/ participatory pedagogies where emphasis will be on field Study, educational tours, writing assignments, seminar presentation and Tutorials etc.
8. Therefore, the learning of the subject becomes more interesting and absorbing oneself in a valued works that may give an opportunity to serve nation which is developing towards more progress.

**SEMESTER & PAPER-WISE DETAILED SYLLABUS
IN UG (BA/B.Sc.) DEFENCE & STRATEGIC STUDIES (DSS)**

Semester	I (FIRST YEAR)		
Subject	Defence & Strategic Studies		
Title of the Paper	Basics of Defence & Strategic Studies		
Type of Course	Major	Course Code: DSS–MJ-T-001	
No. of Lectures	90		
Credits	Theory	Practical	Total
	6	-	6
Marks: 75 a) Internal b) Semester End	Theory	Practical	Total
	15	-	15
	60	-	60
Total	75	-	75

Contents of the Course

Unit	Topics
I	Meaning, definition and scope of Defence & Strategic Studies and its importance Aims and objectives of studying Defence and Strategic studies, Relevance and significance of Defence & Strategic Studies
II	Scope of studying Defence Studies, Correlation between Defence and Strategic Studies (DSS) with other disciplines like study of Geography, Economics, Political Science, History, Psychology and Sociology. Meaning and definition of National security and Relationship between National Security and studying defence studies in India – India’s National Security Management for Future Challenges
III	Concepts of National Defence, Defence Security, Battle operation, Conflict, War Campaign, War strategy, tactics and logistics etc.)
IV	Mechanism of India’s National Security framework and Defence Training Centers in India – Army, Navy & Air Force - Recruitment methods for Defence Services and Career prospects in Indian Defence Service

Suggested Instructions for Paper Setting

1. Total NINE Questions will be set and students will be required to attempt FIVE questions.
2. Question No. 1 will be compulsory and will consist of 10 short answer type questions of 2 marks each spread over the entire syllabus.
3. The remaining EIGHT questions will be set taking TWO questions from each of the four units. The candidate would be required to attempt ONE question from each unit in addition to the compulsory question.
4. Remaining question will carry 10 marks each.

Learning Resources

Suggested Readings	Learning Resources
	<ol style="list-style-type: none"> 1. Clausewitz, Carl Von (1972) Principles of War” Army Publication New Delhi. 2. Fuller,” J.F.C. (1992), The Conduct of War: 1789-1961: A Study of The Impact of The French, Industrial, And Revaluations On War And Its Conduct, Publisher: Da Capo Press. 3. Nanda, Col. Ravi, (1987) Evolution of National Strategy. South Asia Books; 1st edition. 4. Singh, Lallanji,(2003) Art of War in India, 1947 up to date (Hindi).Parkash Books Depot,Bareilly. 5. Singh, Major Jodh, War Its Principles Tactics and Strategies, (Defence Studies-II) Surjeet Publications. Michael Howard (Ed) The Theory and Practice of war, 1965 6. J.F.C. Fuller, The Foundation of Science of War, London, 1925 7. A.L. Venkateswararan, Defence Organization in India, New Delhi, Govt of India, 1967

8. D.K. Palit, Essentials of Military Knowledge, New Delhi, 1989
9. Field Marshal Montgomery, Discount, A history of Warfare, London, 1960
10. Singh, Dr. Ashoke Kumar, National Security, 8 th Edition, Prakash Book Depot, Bareilly, UP-243003
11. Major D K Basu, Defence and Strategic Studies, Volume I Semester I, (in Bengali Language) 2019, ET Publication, Berhampore, Murshidabad- 742101

Semester	I (FIRST YEAR)		
Subject	Defence & Strategic Studies		
Title of the Paper	India's National & Internal Security: Issues & Problems		
Type of Course	Minor	Course Code: DSS-MI-T-001	
No. of Lectures	60		
Credits	Theory	Practical	Total
	4	-	4
Marks: 75 a) Internal b) Semester End	Theory	Practical	Total
	10	-	10
	40	-	40

Contents of the Course	
Unit	Topics
I	National Security – meaning, concept, elements of national security – factors affecting National security of India – Regionalism and Communalism
II	Boundaries of India – Border problems of India, Cross border terrorism with special reference to J & K and North-East States of India
III	National Defence policy of India – Role of DRDO and ISRO in India's National security measures
IV	India's foreign policy – meaning - India's Relations with Neighbouring Countries: i) Pakistan & ii) Bangladesh, iii) Nepal and India's Relations with i) USA, ii) Russia & iii) China

Suggested Instructions for Paper Setting	
	<ol style="list-style-type: none"> Total NINE Questions will be set and students will be required to attempt FIVE questions. Question No. 1 will be compulsory and will consist of 5 short answer type questions of 2 marks each spread over the entire syllabus. The remaining EIGHT questions will be set taking TWO questions from each of the four units. The candidate would be required to attempt FOUR questions in addition to the compulsory question. Remaining question will carry 7.5 marks each.

Learning Resources	
Suggested Readings	<ol style="list-style-type: none"> Shrikant Paranjpe, India's Strategic Culture, The Making of National Security Policy, 2020, Routledge India Singha, Dr. Ashoke Kumar, National Security, 8th Edition, Prakash Book Depot, Barabazar, Bareilly, UP – 243 003 (2017) Khristof L. K. D., The Nature of Frontiers and Boundaries, 1959 K. M. Panikhar, Problems of Indian Defence, 1960 Bandopadhyaya, J., The making of India's Foreign Policy of India, (2003), Allied Publishers, Mumbai Rajan, M. S., Studies in Indian Foreign Policy Chopra, P., On India's Border Bose, Sumanta (2003), Kashmir Roots of Conflict Paths to Peace, Cambridge, Harvard University Press

	<p>9. Dwivedi, R. L. Fundamentals of Political Geography, (2004), Chaitanya Publishing House, Allahabad</p> <p>10. Chatterjee, R. K., India's Land Borders: Problems and Challenges</p> <p>11. Sadhukhan, S. K., Economic Geography, An Appraisal of Resources, (1994), S. Chand & Co. Ltd.</p> <p>12. Mandav, P., Communalism in India: A Paradigm Shift to Indian Politics, (2000), Authors Press, New Delhi</p> <p>13. Sinha, S. P., Lost Opportunities: 50 Years of Insurgency in the North-East and India's Response, (2007), Lancer Publishers & Distributors, New Delhi</p> <p>14. Murty, T. S., Paths of Peace: Studies on the Sino-Indian Boarder Dispute, 1983</p> <p>15. Venkateswaran, A. L., Defence Organisation in India</p> <p>16. Basu, Major D. K., Defence and Strategic Studies, Vol. I, Semester – I (in Bengali language) E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073</p> <p>17. Basu, Major D. K., Bishoy Drohomon O Santrashbad (in Bengali language) E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073</p>
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Semester		I (FIRST YEAR)		
Subject	Defence & Strategic Studies			
Title of the Paper	Introduction to National Cadet Course (NCC)			
Type of Course	MDC	Course Code: DSS–MDC-T-001		
No. of Lectures	45			
Credits	Theory	Practical	Total	
	3	-	3	
Marks: 45	Theory	Practical	Total	
	a) Internal	-	10	
	b) Semester End	-	35	
Total	45	-	45	
Contents of the Course				
Unit	Topics			
I	Brief history of establishment of National Cadet Corp, NCC Act and Rules, 1948, NCC organization as a cohesive force of nation for bringing youth from different parts of the country, NCC as united, secular and disciplined citizen of the Nation			
II	Aims of NCC, Motto of NCC, Organisational Structure of NCC – Director General Level, Directorate Level, Group Level, Battalion Level & Company Level, Division of NCC – Army, Navy & Air Force			
III	Training and Uniform of each Division of NCC, Camps & Courses – its utility to young generation, Commitment of participation of NCC Cadets during war			
IV	Role of NCC in Social Service, Rank Structure of three Services of Army & NCC – Top to Bottom			
Suggested Instructions for Teaching MDC				
	The Department of DSS should develop a question bank on the above topics for guidance of the Students. The Questions will be of MCQ type. Four options in each question is to be given.			
Suggested Instructions for Paper Setting				
	<p>1. Total FORTY MCQ type questions will be set spreading over the entire syllabus and students will be required to attempt THIRTY FIVE questions.</p> <p>2. Each question will carry 1 mark.</p>			

Learning Resources	
Suggested Readings	<ol style="list-style-type: none"> 1. Major RD Ahluwalia, Master Guide for NCC Army, Air Force and Navy Wing, Arihant Publication, First Edition, 2022 2. Gupta, RK, NCC : Hand Book of NCC Cadets, Ramesh Publishing House, 2023 3. Nikode, Nitin, NCC MCQ Book, Ujwala Prakashan, 2023 4. Gupta, RK, NCC: Practice Test Papers, , Ramesh Publishing House, 2024 5. Basu, D K, Defence Organisation and Management of India, (in Bengali language), 2020, E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073

Semester	I (FIRST YEAR)		
Subject	Defence & Strategic Studies		
Title of the Paper	Human Rights		
Type of Course	SEC	Course Code: DSS-SEC-001	
No. of Lectures	45		
Credits	Theory	Practical	Total
	3	-	3
Marks: 45	Theory	Practical	Total
	a) Internal	10	10
b) Semester End	35	-	35
Total	45	-	45

Contents of the Course	
Unit	Topics
I	Introduction to Human Rights and Human Duties– Aims and Objectives of Human Rights - Types of Human Rights
II	Role of Civil Society in Protecting Human Rights – Role of Government in Protecting Human Rights – Human Rights and the Indian Constitution – Human Rights of Child and Women in India
III	Human Rights Commission in India & its functions – Problems of implementation of Human rights
IV	Human Rights and Environmental Policy in India – Role of NGO in Protecting Human Rights in India

Suggested Instructions for Paper Setting	
	<ol style="list-style-type: none"> 1. Total NINE Questions will be set and students will be required to attempt FIVE questions. 2. Question No. 1 will be compulsory and will consist of 5 short answer type questions of 2 marks each spread over the entire syllabus. Additional 1 mark will be given for correct answer of all the five questions. 5. The remaining EIGHT questions will be set taking at least ONE question from each of the four units. The candidate would be required to attempt FOUR questions in addition to the compulsory question. 6. Remaining question will carry 6 marks each.

Learning Resources	
Suggested Readings	<ol style="list-style-type: none"> 1. Preamble to the Universal Declaration of Human Rights, 1948 2. Universal Declaration of Human Rights, 1948, Article 26.2 3. Singh, Nagendra, Endorsement of Human Rights, Eastern Law House Pvt., Kolkata, 1986 4. Subramanian, S., Human Rights: International Challenge, Vol. I, Manas Publication, New Delhi, 1997 5. Saksena, K. P., Human Rights and The Constitution – Vision and the Reality, 2003 6. Ray, Arun, national Human Rights Commission of India: Formation, Functioning and Future Prospect, Vol. I, 2004 7. Protection of Human Rights Act, 1993, amendment in 2006 8. Tinker, C., Human Rights for Women: The UN Convention on the Elimination of All Forms of

	Discrimination against Women, Human Rights Quarterly 9. Nair, P. Sukumar, Human Rights in a Changing World, Gyan Publishing House, New Delhi, 2011 10. Santra, S. C., Environmental Science, New Central Book Agency, Kolkata, 2000 11. Karan, P. P., Environmental Movement in India, Geographical Review, Vol. 84 12. Professor Major Basu, D. K., Human Rights (in Bengali Language), 2018, E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073
Certificate	Summer Internship for 4 credits required

Semester	II (FIRST YEAR)		
Subject	Defence & Strategic Studies		
Title of the Paper	A. Theory: Conceptual Aspects of war		
Type of Course	Major	Course Code: DSS–MJ-T-002	
No. of Lectures	60		
Credits	Theory	Practical	Total
	4	-	4
Marks: 60	15	-	15
a) Internal	40	-	40
b) Semester End			
Total	55	-	55

Contents of the Course	
Unit	Topics
I	Definition, meaning and basic concepts of war, objectives and causes of War, Implications of war
II	Evolution of war – Primitive war, modern warfare, Principles of war of Jomini and Clausewitz – War in the 20 th Century: World War I, World War II and Cold War
III	Conventional – Land war, Naval war and Air war and Definition, concept of Psychological warfare, Economic warfare and political warfare
IV	Unconventional war – Guerilla warfare, Low intensity warfare, Modern warfare – Nuclear warfare, Biological & Chemical warfare (ABC warfare)

Suggested Instructions for Paper Setting	
	1. Total NINE Questions will be set and students will be required to attempt FIVE questions. 2. Question No. 1 will be compulsory and will consist of 5 short answer type questions of 2 marks each spread over the entire syllabus. 3. The remaining EIGHT questions will be set taking TWO questions from each of the four units. The candidate would be required to attempt FOUR questions in addition to the compulsory question. 4. Remaining question will carry 7.5 marks each.

Learning Resources	
Suggested Readings	1. Andreski S., (1968) Military Organization and Society, Univ. California Press, Berkeley 2. Anthony James Joes, (1996) Guerrilla Conflict before the Cold War, Praeger Publishers 3. Aron R., (1966) Peace and War: A Theory of International Relations, Praeger, New York 4. Barringer R., (1972) War: Patterns of Conflict, MIT Press, Cambridge, Mass. 5. Blainey G., (1973) The Causes of War, Macmillan, London 6. Montgomery Viscount, (1983) A History of Warfare, William Morrow & Co, New York City

	<p>7. Mukherji and Shyamlal, (1952) A Textbook of Military Science, Vol. II., Navayuga, New Delhi</p> <p>8. Osanka, F.M., (1962) Modern Guerrilla Warfare, Free Press of Glencoe, New York.</p> <p>9. Sidhu, K.S., (1988) War and Its Principles, Atlantic, New Delhi.</p> <p>10. Tripathi, K.S., (1970) Evolution of Nuclear Strategies, Vikas, New Delhi.</p> <p>11. Van Evara, Stephen, (1999), Causes of War: Power and the Roots of Conflict, Cornell University Press, Ithaca</p> <p>12. Wright, Quincy, (1942) Study of War, University of Chicago Press.</p> <p>13. Dr. Singh, A. K., Modern Strategic Thought (Machivelli to the Nuclear Age) and national Security. Prakash Book Depot, Bareilly, UP-243003b</p> <p>14. Gwynne Dyer, The Shortest History of War, Atlantic Publishers and Distributors,</p> <p>13. Major Basu, D K, Art of War and Mechanism of Warfare, Volume II, (in Bengali Language) 2015, E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073</p>
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Semester		II (FIRST YEAR)	
Subject	Defence & Strategic Studies		
Title of the Paper	B. Practical: Military Geography - I		
Type of Course	Major	Course Code: DSS–MJ-P-001	
No. of Lectures	30		
Credits	Theory	Practical	Total
	-	2	2
Marks: 60			
a) Internal	-	-	-
b) Semester End	-	20	20
Total	-	20	20

Contents of the Course

Unit	Topics
I	Concept of Military Maps: Definition and Features, Classification, GRID System – Four Figure and Six figure Map References, Grid System vis-à-vis Present-day GPS (Global Positioning System) in Map Reading – Working of GPS method of Map Reading – Advantages and disadvantages of GPS in Military operations with special emphasis on Surgical Strike and sensing the location of enemy position and target of to-day’s Military operations
II	Scale: Definition, Methods of representing Scale: Inter conversion of scale into Representative Fraction, construction of simple scale line and the comparative scale lines, Conventional Signs: Military and Geographical
III	North: Types of North and finding out True North – The Pole Star Method, The equal altitude method, Watch method, Grid Method & Compass method
IV	Representation of the above in Laboratory Note Book and Sand Model, Viva Voce in Examination

Suggested Instructions for Paper Setting

	<p>1. Total THREE Questions will be set with an alternative to each question and students will be required to attempt TWO questions. Each question carries 5 marks spreading over the entire syllabus.</p> <p>2. Remaining 10 marks is allotted for Laboratory Note Book & Viva-voce.</p>
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Learning Resources

Suggested Readings	<p>1. Singh, Gopal, An Introduction to Map Reading,</p> <p>2. Mann, J. C., Map Reading and Field Sketching</p> <p>3. Sharma, M.P., Manual of Map Reading</p>
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	4. Singh, RL & Singh P B., Elements of Practical Geography, 1999, Kalyani Publishers 5. Sen Sarma, Priyadarshan, Defence Studies, Paper III, 1990, Rajya Pustak Parshad. WB 6. Basu, Major D. K., Defence and Strategic Studies, Vol. III, 2014, (in Bengali language) E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073
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Semester		II (FIRST YEAR)	
Subject	Defence & Strategic Studies		
Title of the Paper	Armed Forces & Society		
Type of Course	MDC	Course Code: DSS-MDC- 002	
No. of Lectures	45		
Credits	Theory	Practical	Total
	3	-	3
Marks: 45			
a) Internal	10	-	10
b) Semester End	35	-	35
Total	45		45

Contents of the Course	
Unit	Topics
I	Study of Society: (a) Definition, forms and types, (b) Difference between Society, Community, Association and state, (c) Special features of Military Organizations
II	Social Groups: (a) Definition, (b) Types, (c) Structure and Importance
III	Social Interface on Ethical and Legal perspectives; Just War, International Law and Political context of strategy – Social Interaction: (a) Motivation, Its types, Methods and Importance, (b) Morality, its role and necessity, (c) Personality - Definition and determinants
IV	Civil - Military Relations: (a) Relation in Political Set-up, (b) Military influence on National Policy, (c) Armed forces aid to civilians

Suggested Instructions for Teaching MDC	
	The Department of DSS should develop a question bank on the above topics for guidance of the Students. The Questions will be of MCQ type. In each question Four options is to be given.

Suggested Instructions for Paper Setting	
	1. Total FORTY MCQ type questions will be set spreading over the entire syllabus and students will be required to attempt THIRTY FIVE questions. 2. Each question will carry 1 mark each.

Learning Resources	
Suggested Readings	1. Janowitz, Morris (2012) Sociology and the military establishment. Literary Licensing, LLC 2. Khan, J.A. (2006) Indian Armed Forces & Society-Set of 2 Volumes, Anmol Publications Pvt Ltd. 3. Parmar, Leena (1999) Military Sociology: Global Perspectives, Rawat Publications 4. Rosen, Stephen Peter (2019) Societies and Military Power: India and Its Armies. United States, Cornell University Press 5. Sougajam, Asha. (2018) Military Sociology: Past, Present and Future. India: Mittal Publications 6. Soeters, Joseph (2018) Sociology and Military Studies: Classical and Current Foundations (Cass Military Studies), Routledge 7. P. Huntington, The Soldier and the State: The Theory and Politics of Civil-Military Relations, 1957, Havard University Press

Semester		II (FIRST YEAR)	
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Subject	Defence & Strategic Studies		
Title of the Paper	Disaster Management		
Type of Course	SEC	Course Code: DSS-SEC-002	
No. of Lectures	45		
Credits	Theory	Practical	Total
	3	-	3
Marks: 45	Theory	Practical	Total
	10	-	10
a) Internal	35	-	35
b) Semester End	45	-	45
Total	45	-	45

Contents of the Course

Unit	Topics
I	Basic Concept of Disaster Management – Organisational Structure of India’s National Disaster Management Authority – India’s National Policy on Disaster Management and its implementation
II	Types of Disasters – Classification of Disasters by: i) UNO and ii) Government of India – Elements of Natural Disasters
III	Classification of Hazards, Vulnerability as unique factor of Disaster Risk - Interaction of Hazards, Vulnerability and Disaster Risk, Management of Disaster Risk: Components of Disaster Management
IV	Policy of mitigation of Disaster Risk, Disaster Preparedness, Prevention measures of Disaster – Disaster Management Cycle - Essential features and efforts of Community Based Disaster Management – Role of Armed Forces in Disaster Management

Suggested Instructions for Paper Setting

	<ol style="list-style-type: none"> 1. Total NINE Questions will be set and students will be required to attempt FIVE questions. 2. Question No. 1 will be compulsory and will consist of 5 short answer type questions of 2 marks each spread over the entire syllabus. Additional 1 mark will be given for correct answer of all the five questions. 3. The remaining EIGHT questions will be set taking at least ONE question from each of the four units. The candidate would be required to attempt FOUR questions in addition to the compulsory question. 4. Remaining question will carry 6 marks each.
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Learning Resources

Suggested Readings	<ol style="list-style-type: none"> 1. Sinha, P. C., Introduction to Disaster Management, 1998 2. Sharma, Vinod K., Managing Disasters in the New Millennium, Prentice Hall (P) Ltd., 2001 3. Modh, Satis, Introduction to Disaster Management, Macmillan Publishers, India, First Edition, Jan. 2010 4. Prasad, S., Natural Disaster Management 5. Singh, R. B., Natural Hazards and Disaster Management, First Edition, 2006 6. Dasgupta, Rajdeep, Disaster Management and Rehabilitation, Mittal Publication, 2007 7. Shastri, M. N., Introduction to Environment, Himalaya Publishing House, Mumbai, 2005 8. Professor Major Basu, D. K., Disaster Management (in Bengali Language), 2020, E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073
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Semester	III (SECOND YEAR)		
Subject	Defence & Strategic Studies		
Title of the Paper	A. Theory: : Introduction to National Security of India		
Type of Course	Major	Course Code: DSS–MJ-T-003	
No. of Lectures	60		
Credits	Theory	Practical	Total
	4	-	4
Marks: 60			
a) Internal	15	-	15
b) Semester End	40	-	40
Total	55	-	55

Contents of the Course

Unit	Topics
I	Concepts of State and Nation, Meaning, Nature and Scope of National Security – objectives of National Security, National security and National Solidarity, National values, national interest, Difference between National Security and National Defence
II	Elements of Grand Strategy: National power, foreign and Defence Policies and National Security measures
III	Challenges and Threats to National Security: (a) Traditional and (b) Non-Traditional
IV	Military Alliances and their role for National security in 21st century – Small arms Proliferation, Weapons of Mass Destruction (WMD) and their proliferation (NPT, CTBT, MTCR, NMD and FMCT)– India’s approach to Balance of Power, Collective Security, Deterrence, and Arm Control

Suggested Instructions for Paper Setting

	<ol style="list-style-type: none"> Total NINE Questions will be set and students will be required to attempt FIVE questions. Question No. 1 will be compulsory and will consist of 5 short answer type questions of 2 marks each spread over the entire syllabus. The remaining EIGHT questions will be set taking TWO questions from each of the four units. The candidate would be required to attempt FOUR questions in addition to the compulsory question. Remaining question will carry 7.5 marks each.
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Learning Resources

Suggested Readings	<ol style="list-style-type: none"> Rajendra M. Abhyankar, Indian Diplomacy: Beyond Strategic Autonomy, 2018, Sage Publications Ltd. Booth, K., (2007) Theory of World Security: Cambridge University Press, Cambridge, Buzan, Barry, (1987) Strategy and Fear : New Delhi, Trans Asia Publications. Das, S.T., (1987) National Security in Perspective: Delhi, Gian Publishing House. Frankel, Joseph., (1970) National Interest: London, Macmillan Military Balance., Latest Edition (IISS) Morgenthau, Hans J.,(1969) Politics Among Nations, Calcutta, Scientific Book Agency Palmer, Norman D. and Perkins, Howard C., (1968) International Relations: Calcutta, Scientific Book Agency Chowdhury, Subrata Roy., (1966) Military Alliances and Neutrality in War and Peace: New Delhi, Orient Longman Singh, Nagendra., (1974) The Defence Mechanism and the Modern State: New Delhi, Asia Publishing House, New Delhi Pandey, Ramsurat (2020). RashtriyaSurakshaEvamAntarrashtriyaSambandh, Fifth Edition Paperback Hindi Srivastava, J. M., and Harsh Kumar Sinha, (2017), Rashtriya Suraksha (Hindi) Asr Publications. Adhikari, Sudepta, (1997), Political Geography, New Delhi: Rawat Publications Singh, Dr. Ashoke Kumar, National Security, 8th Edition, 2017, Prakash Book Depot, Barabazar, Bareilly, UP – 243 003 J. Bandyopadhyaya, The making Foreign Policy of India (2003), Allied Publishers, Mumbai Basu, Major D. K., Defence and Strategic Studies, Vol. I, Semester – I (in Bengali language) E. T.
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	Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073		
Semester	III (SECOND YEAR)		
Subject	Defence & Strategic Studies		
Title of the Paper	B. Practical: Military Geography-II		
Type of Course	Major	Course Code: DSS–MJ-P-002	
No. of Lectures	30		
Credits	Theory	Practical	Total
	-	2	2
Marks: 60			
a) Internal	-	-	-
b) Semester End	-	20	20
Total	-	20	20
Contents of the Course			
Unit	Topics		
I	Concept Military Geography : Representation of Relief features in map – Short description of different methods – Contour Lines: Vertical interval (VI), Horizontal Equivalent (HE), Types of slopes & Gradient and their representation on the map – Uniform slope, Convex Slope, Conclave Slope, Re-entrant, Spur, Cliff, Ridge, Knoll etc.		
II	Determination of Gradient: Representation of Slopes by Contour		
III	Determination of inter-visibility in case of rise or fall of slope – Methods of determining inter-visibility – Mathematical method and its application		
IV	Representation of the above topics in Laboratory Note Book and Sand Model, Viva Voce in Examination		
Suggested Instructions for Paper Setting			
	1. Total THREE Questions will be set with an alternative to each question and students will be required to attempt TWO questions. Each question carries 5 marks spreading over the entire syllabus. 2. Remaining 10 marks is allotted for Laboratory Note Book and Viva-voce.		
Learning Resources			
Suggested Readings	1. Singh, Gopal, An Introduction to Map Reading, 2. Mann, J. C., Map Reading and Field Sketching 3. Sharma, M.P., Manual of Map Reading 4. Singh, RL & Singh P B., Elements of Practical Geography, 1999, Kalyani Publishers 5. Sen Sarma, Priyadarshan, Defence Studies, Paper III, 1990, Rajya Pustak Parshad. WB 6. Basu, Major D. K., Defence and Strategic Studies, Vol. III, 2014, (in Bengali language) E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073		

Semester	III (SECOND YEAR)		
Subject	Defence & Strategic Studies		
Title of the Paper	Mechanism of Warfare & Strategic Thought		
Type of Course	Minor	Course Code: DSS–MI-T-002	
No. of Lectures	60		
Credits	Theory	Practical	Total
	4	-	4
Marks: 75			
a) Internal	10	-	10
b) Semester End	40	-	40
Total	50		50

Contents of the Course

Unit	Topics
I	Definition of war – objectives of war – Causes of War –Strategy, Tactics and Logistics of war
II	Guerrilla warfare - Low Intensity and Counter Insurgency warfare
III	Nuclear, Biological & Chemical warfare - Modern weapons of war, Air and Naval War
IV	Strategic Thought of – a) Niccolo Machiavelli (1469-1527 CE), & Napoleon (1769-1821 CE) b) Alfred Thayer Mahan (1840-1914), Giulio Douhet (1869-1930) & Mao-Tse-Tung (1893-1976)

Suggested Instructions for Paper Setting

1. Total NINE Questions will be set and students will be required to attempt FIVE questions.
2. Question No. 1 will be compulsory and will consist of 5 short answer type questions of 2 marks each spread over the entire syllabus.
7. The remaining EIGHT questions will be set taking TWO questions from each of the four units. The candidate would be required to attempt FOUR questions in addition to the compulsory question.
8. Remaining question will carry 7.5 marks each.

Learning Resources

Suggested Readings	
	1. Mathew O. Jackson and Massimo Morelli, The Reasons of wars – an updated Survey, Revised: Dec. 2009
	2. Singha, Dr. Ashoke Kumar, Modern Strategic Thought (Machiavelli to the Nuclear Age) and National Security, (2009) Prakash Book Depot, Bareilly, UP – 243 003
	3. (2017)
	4. Singh, Dr. G. C., Modern Art of War (2014), Sarada Pustak Bhavan, Allahabad
	5. Roy, Koushik (ed.) The Oxford Companion to Modern Warfare in India, Oxford University Press
	6. J. F. C. Fuller, The conduct of war
	7. Stephen Peter Rosen, India and its Arms, Oxford University Press
	8. Chadha, Lt. Col. Vivek, Low Intensity Conflicts in India: An Analysis, New Delhi, Sage Publications, 2005
	9. Martin, L. W., Sea Power in the Modern Strategy
	10. Singh, Prof. L. G., Fundamentals of Military Science (2008), Prakash Book Depot, Bareilly, UP – 243 003
	11. Singh, Prof. L. G., Defence Mechanism of the modern State (2013), Prakash Book Depot, Bareilly, UP – 243 003
	12. Teena Karsa Mayers, Understanding Nuclear Weapons and Arms Control (Third Edition), Washington)
	13. Victor Emmerich and Sharan Dev, Modern Warfare and Military Strategy, Dominant Publishers, New Delhi (2000)
	14. Basu, Major D. K., Defence and Strategic Studies, Vol. II, (in Bengali language) E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073
	15. Basu, Major D. K., Tattye O Tathaye Pracha O Pachattayer Youddhakala, (in Bengali language)

	E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073		
	16. Basu, Major D. K., Defence and Strategic Studies, Vol. III, (in Bengali language) E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073		
Semester III (SECOND YEAR)			
Subject	Defence & Strategic Studies		
Title of the Paper	Defence Journalism		
Type of Course	MDC	Course Code: DSS-MDC-T- 003	
No. of Lectures	45		
Credits	Theory	Practical	Total
	3	-	3
Marks: 45			
a) Internal	10	-	10
b) Semester End	35	-	35
Total	45	-	45
Contents of the Course			
Unit	Topics		
I	Defence Journalism – Concept, Meaning and Features, Differences between Civil Journalism & Defence journalism, Definition/Kinds/Sources of Defence News Writing Procedure		
II	Defence Reporting: Format languages and grammar, Forms – Eye witness, Computer assigned features, Concept of Graphics and Animation (Role of Modern Technology)		
III	Defence Terminology: Defence Terms & Abbreviations, Military terms – Weapons, Weapons system Defence Organization – Rank and Rank structure in the Defence services in India		
IV	War Front Reporting, Media Ethics and Laws, Problem in Defence News Writing – Political Pressure Official Secrecy – etc.		
Suggested Instructions for Teaching MDC			
	The Department of DSS should develop a question bank on the above topics for guidance of the Students. The Questions will be of MCQ type. In each question Four options is to be given.		
Suggested Instructions for Paper Setting			
	1. Total FORTY MCQ type questions will be set spreading over the entire syllabus and students will be required to attempt THIRTY FIVE questions. 2. Each question will carry 1 mark.		
Learning Resources			
Suggested Readings	<ol style="list-style-type: none"> Allan, Stuart & Barbie Zelizer (ed), (2004) Reporting War: Journalism in Wartime, Publisher Routledge; 1st edition. Paperback Bhatt, S.C., (2005) Practical Journalism, Aavishkar. Jaipur Chatterjee, R.K., (1973) Mass Communication, National Book Trust. New Delhi Dhara, R., (1945) Journalism, Industry Publishers, Calcutta Narayanan, VarunDev (2021) Defence Journalism, Publisher: Sumith Enterprises; 1st edition Saxena, Sangeeta (1997) Defence Journalism in India, Manas Publications Seib, Philip, Piers Robinson, RomyFröhlich (ed), (2020) Routledge Handbook of Media, Conflict and Security. Paperback Waren, K. Agrie, (ed), (1968) The Press and the Public Interest, Public Affairs Press. Washington, D.C. Saxena, Sangeeta, Defence Journalism in India, Manas Publications Journal of Defence Studies, Manohar Parikar Institute for Defence Studies and Analyses, (MP-IDSA), Development Enclave, Rao Tula Ram Marg, New Delhi – 110 010 		

Semester	III (SECOND YEAR)		
Subject	Defence & Strategic Studies		
Title of the Paper	Cyber Crime & Cyber Security		
Type of Course	SEC	Course Code: DSS-SEC-T-003	
No. of Lectures	45		
Credits	Theory	Practical	Total
	3	-	3
Marks: 45			
a) Internal	10	-	10
b) Semester End	35		35
Total	45	-	45

Contents of the Course

Unit	Topics
I	Introduction to Cyber Technologies - Information Systems - Networks/LAN/WAN -Military Sensors Types of Cyber Crime - Hacking - Password Cracking - Insecure Network Connection – Theft at Tele Communication Services
II	Impact of Cyber Crime on National Security - Impact on Armed Forces & Law enforcement Agencies' Information Systems - Impact on National Economy/Market - Impact on Citizen Security
III	Detection and Prevention methodologies - Risk Identification - Levels of Protection – Cyber Defensive Measures, Cyber Laws – Indian Cyberspace, National Cyber Security Policy 2013, Impact of Cyber Crime on National Security - Impact on Armed Forces & Law enforcement Agencies' Information Systems - Impact on National Economy/Market - Impact on Citizen Security
IV	Detection and Prevention methodologies - Risk Identification - Levels of Protection – Cyber Defensive Measures, Cyber Laws – Indian Cyberspace, National Cyber Security Policy 2013

Suggested Instructions for Paper Setting

	<ol style="list-style-type: none"> 1. Total NINE Questions will be set and students will be required to attempt FIVE questions. 2. Question No. 1 will be compulsory and will consist of 5 short answer type questions of 2 marks each spread over the entire syllabus. Additional 1 mark will be given for correct answer of all the five questions. 5. The remaining EIGHT questions will be set taking at least ONE question from each of the four units. The candidate would be required to attempt FOUR questions in addition to the compulsory question. 6. Remaining question will carry 6 marks each.
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Learning Resources

Suggested Readings	<ol style="list-style-type: none"> 1. Beidleman, Scott W. (2009) Defining and Detering Cyber War, Master's thesis, U.S. Army War College 2. Borum, Randy, and Ronald Sanders, (2015) Cyber Intelligence: Preparing Today: for Tomorrow's Threats, Intelligence and National Security Alliance 3. Godbole Nina, (2011) Cyber Security, Wiley India, New Delhi 4. UGC Document on LOCF Defence Studies 54 5. Godbole Nina, (2017) Information Systems Security: Security Management, Metrics, Frameworks and Best Practices, Wiley India, New Delhi 6. Shoemaker, Dan and Conklin, Arthur (2011) Cyber Security – The Essential body of Knowledge, Cengage Learning 7. Kim Andreasson, ed., (2012) Cyber Security – Public Sector threats and responses, CRC Press, Boca Raton, FL 8. Lin V Choi ed., (2005) Cyber Security and Homeland Security, Nova Publishers, New York
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Semester	IV (SECOND YEAR)		
Subject	Defence & Strategic Studies		
Title of the Paper	A. Theory: : History of Indian Military System: Evolution from Vedic to Modern		
Type of Course	Major	Course Code: DSS–MJ-T-004	
No. of Lectures	60		
Credits	Theory	Practical	Total
	4	-	4
Marks: 60			
a) Internal	15	-	15
b) Semester End	40	-	40
Total	55	-	55

Contents of the Course

Unit	Topics
I	Military System in Vedic and Epic Age, Macedonian and Indian art of war with particular reference to the battle of Hydaspes (326 B.C.) – Kautilya’s Philosophy of War : State as in Military Organisation, Weapon, Intelligence System and the Art of War
II	Turk and Rajput Military System with particular reference to the Battle of Tarrian (1192 AD) –Military Organisation and Pattern of Warfare during the Sultanate period – The Mughal Military System with particular reference to the First Battle of Panipat (1526 AD) – The Rajput Military Organisation, Weapon system and art of war
III	The Maratha Military System with special reference to the third battle of Panipat (1761 AD) – Hindu Military system during the age of Harsh – Sikh Military System – Military System of East India Company before Revolt of 1857, Evolution of Indian Armed forces from 1858 to 1947 A.D. – Growth of Indian Navy and Air Force
IV	India’s Wars in post independence period: (a) The First India-Pakistan War (1947- 1948) (b) India-China War of 1962 (c) The India Pakistan War of 1965 & Liberation of Bangladesh of 1971 (d) The Kargil Conflict of 1999

Suggested Instructions for Paper Setting

	<ol style="list-style-type: none"> Total NINE Questions will be set and students will be required to attempt FIVE questions. Question No. 1 will be compulsory and will consist of 5 short answer type questions of 2 marks each spread over the entire syllabus. The remaining EIGHT questions will be set taking TWO questions from each of the four units. The candidate would be required to attempt FOUR questions in addition to the compulsory question. Remaining question will carry 7.5 marks each.
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Learning Resources

Suggested Readings	<ol style="list-style-type: none"> Alfred, David., (1953) Indian Art of War, Atma Ram , Delhi Bajwa F.S., (1964) Military System of the Sikhs, Moti Lal, Banarsi Dass, Delhi Bruce, George., (1969) Six Battles of India, Rupa & Company, Calcutta Das, S.T., (1969) Indian Military - Its History and Development, Sagar, New Delhi Dikshitar, Ramachandra V. R. (1999) War in Ancient India. Cosmo, New Delhi Fuller, J.F.C., (1958) Generalship of Alexander The Great, Natraj Publishes, Dehradun Gustav Oppert, (1967) Weapons, Army Organisation and Political Maxims of Ancient Hindus, R.F Patel Rajratan Press, Ahmedabad Kangle, R.P., (1963) Kautilya’s Arth Shastra, University of Bombay, Mumbai Majumdar, B.K., (1960) Military System in Ancient India, Firma K.L. Mukhopadhyoy, Calcutta Majumdar, B.N., (1963) Study of Indian Military History, Army Educational Store, Delhi. Roy, Kaushik, (2004) From Hydaspes to Kargil: A History of Warfare in India from 326 BC to AD 1999. Manohar, New Delhi
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	<p>12. Roy, Kaushik (2011), War, Culture and Society in Early Modern South Asia, 1740– 1849, Routledge</p> <p>13. Roy, Kaushik Ed., (2011), The Indian Army in the Two World Wars Brill</p> <p>14. Singh, Sarva Daman. (1997) Ancient Indian Warfare: With Special Reference to the Vedic Period Motilal Banasidass, New Delhi</p> <p>15. Bhattacharjee, Arun, History of Ancient India, New Delhi, Sterling Publishers, 1979</p> <p>16. Singh, Dr. G. C., Tandon, Dr. R. K. & Agarwal, Dr. P. A., Indian Art of War, 2014, Sarada Pustak Bhavan, Allahabad, UP</p> <p>17. Gupta, P. S. & Despande, Anirudh, The British Raj and its Indian Armed Forces, 1857-1939, New Delhi, Oxford University Press, 2002</p> <p>18. Melleon, G. V., The Decisive Battle of India</p> <p>19. Sarkar, J. N., Military History of India, Kolkata, 1960, Orient Longmans</p> <p>20. Basu, Major D. K., Military History of India, (in Bengali language) E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073</p> <p>21. Basu, Major D. K., Tattye O Tathaye Pracha O Pachattayer Youddhakala, (in Bengali language) E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073</p> <p>22. Basu, Major D. K., Defence Organisation and Management of India, (in Bengali language) E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073</p>
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Semester		IV (SECOND YEAR)	
Subject	Defence & Strategic Studies		
Title of the Paper	B. Practical: Battle Sketch and narration of war with Consequences		
Type of Course	Major	Course Code: DSS–MJ-P-003	
No. of Lectures	30		
Credits	Theory	Practical	Total
	-	2	2
Marks: 60			
a) Internal	-	-	-
b) Semester End	-	20	20
Total	-	20	20

Contents of the Course	
Unit	Topics
I	Field Sketching and its purposes – Classification of field sketch – Principles of drawing field sketches
II	Methods of Making field sketch – use of conventional signs in field sketching – Eye and memory sketching
III	Sketching & Analysing the consequences of the Battles with a short description: a) Battle of Hydaspes, 326 BC, b) Battle of Tarain, 1191 & 1192, c) Battle of Panipath, 1526, 1556 & 1761, d) Battle of Haldighati, 1576, e), Battle of Palassey, 1757, f) Battle of Assaye (Second Anglo-Maratha War), 1803
IV	Represent the above mentioned Battle formations in Sand Model in Laboratory and Prepare sketches of battle formation of above battles in Laboratory Note Book – Lecture and group discussion on above topics with demonstration in Black or Digital Board

Suggested Instructions for Paper Setting

1. Total THREE Questions will be set with an alternative to each question and students will be required to attempt TWO questions. Each question carries 5 marks spreading over the entire syllabus.
2. Remaining 10 marks is allotted for Laboratory Note Book and Group Discussion.

Learning Resources

Suggested Readings	<ol style="list-style-type: none"> 1. Mann, J. C., Map Reading and Field Sketching 2. Sharma, M. P., Manual of Map Reading 3. Basu, Major D. K., Defence and Strategic Studies, Vol. III, 2014, (in Bengali language) E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073 4. Basu, D K, Military History of India, Semester II, 2020, (in Bengali language) E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073
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Semester		IV (SECOND YEAR)	
Subject	Defence & Strategic Studies		
Title of the Paper	A. Theory : India's Internal Security: Issues & Problems		
Type of Course	Major	Course Code: DSS–MJ-T-005	
No. of Lectures	60		
Credits	4		
Marks: 60	Theory	Practical	Total
a) Internal	15	-	15
b) Semester End	40	-	40
Total	55	-	55

Contents of the Course

Unit	Topics
I	Concept of Internal Security, Factors affecting internal security of India, Geo-political effects of partition
II	Challenges to Internal Security, Current Threats to internal Security of India, Types of threats to India: Internal & External – Problems of Regionalism and Communalism
III	Terrorism and Border related problems – India's Geo-Strategic Location and significance, Boundaries of India – Border problems of India, Cross border terrorism with special reference to J & K and North-East States of India
IV	Internal dimension of India's security: Insurgency – Naxalite and Maoist Movements, Organised Crime and State response

Suggested Instructions for Paper Setting

1. Total NINE Questions will be set and students will be required to attempt FIVE questions.
2. Question No. 1 will be compulsory and will consist of 5 short answer type questions of 2 marks each spread over the entire syllabus.
3. The remaining EIGHT questions will be set taking TWO questions from each of the four units. The candidate would be required to attempt FOUR questions in addition to the compulsory question.
4. Remaining question will carry 7.5 marks each.

Learning Resources

Suggested Readings	<ol style="list-style-type: none"> 1. K. M. Panikhar, Problems of Indian Defence, 1960 2. Dass, S.T., (1987), National Security in Perspective: Delhi, Gian Publishers 3. Kavic, Lorne J., (1967) India's Quest for Security: Defence Policies 1947-1965, Los Angeles,
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University of California Press

4. Nayar, V.K., (1992) Threats From Within: New Delhi, Lancer Publications
5. Rao, Ramakrishna and Sharma, R.C., (1991) India's Borders, New Delhi, Scholars' Publishing Forum
6. Ashok Kumar, Vipul Anekant, Challenges to Internal Security of India, 5th Edition, 2022, McGraw Hill India
7. Khristof L. K. D., The Nature of Frontiers and Boundaries, 1959
8. Chopra, P., On India's Boarder
9. Bose, Sumanta (2003), Kashmir Roots of Conflict Paths to Peace, Cambridge, Havard University Press
10. Dwivedi, R. L. Fundamentals of Political Geography, (2004), Chaitanya Publishing House, Allahabad
11. Chatterjee, R. K., India's Land Boarders: Problems and Challenges
12. Frankel, Joseph, (1970), National Interest, Macmillan London. Military Balance., Latest Edition (IISS)
13. Morgenthau, Hans J., (1969), Politics Among Nations, Scientific Book Agency, Calcutta
14. Mandav, P., Communalism in India: A Paradigm Shift to Indian Politics, (2000), Authors Press, New Delhi
15. Sinha, S. P., Lost Opportunities: 50 Years of Insurgency in the North-East and India's Response, (2007), Lancer Publishers & Distributors, New Delhi
16. Murty, T. S., Paths of Peace: Studies on the Sino-Indian Boarder Dispute, 1983
17. Bajpai, U.S., (1986)India and its Neighbourhood: New Delhi, Lancer International
18. Bobbing, Ross and Gordon, Sandy, (1992) India's Strategic Future: Delhi, Oxford University Press
19. Chatterjee, R.K. (1978) India's Land Borders- Problems and Challenges: New Delhi, Sterling Publishers
20. Chaudhury, Rahul Roy, (1995) Sea Power and India's Security, London, Brassey's
21. Menon, V.P., (1961) The Story of the Integration of Indian States: New Delhi, Orient Longmans
22. Singha, Dr. Ashoke Kumar, National Security, 8th Edition, Prakash Book Depot, Barabazar, Bareilly, UP – 243 003 (2017)
23. Basu, Major D. K., Defence and Strategic Studies, Vol. I, Semester – I, 2019 (in Bengali language) E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073
24. Basu, Major D. K., Bishoy Drohomon O Santrashbad (in Bengali language) E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073

Semester IV (SECOND YEAR)			
Subject	Defence & Strategic Studies		
Title of the Paper	B. Practical: Military Map Reading - I		
Type of Course	Major	Course Code: DSS–MJ-P-04	
No. of Lectures	30		
Credits	Theory	Practical	Total
	-	2	2
Marks: 60			
a) Internal	-	-	-
b) Semester End	-	20	20
Total	-	20	20

Contents of the Course	
Unit	Topics
I	Bearing: Definition – Classification of Bearing – Mathematical Problems on Inter conversion of Bearing in detail
II	Liquid Prismatic Compass (LPC): Types of Compass, Features and functions of its various parts, Magnetic error – Use of Compass to determine magnetic north, Setting of the Map, Night March Chart
III	Determination of bearing of a point from other point situated on the ground – Service Protractor and its uses, Methods of plotting Magnetic Bearing in Map & methods of measuring distance on Map
IV	Determination of one's and enemy's position on the map by resection and intersection methods with the help of compass, with the help of Tracing Paper & Inspection Method
Suggested Instructions for Paper Setting	
	1. Total THREE Questions will be set with an alternative to each question and students will be required to attempt TWO questions. Each question carries 5 marks spreading over the entire syllabus. 2. Remaining 10 marks is allotted for sketching the above in Laboratory Note Book and Viva-voce.
Learning Resources	
Suggested Readings	1. Mann, J. C., Map Reading and Field Sketching 2. Sharma, M. P., Manual of Map Reading 3. Basu, Major D. K., Defence and Strategic Studies, Vol. III, 2014, (in Bengali language) E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073
Diploma	Summer Internship for 4 credits required

Semester	V (THIRD YEAR)		
Subject	Defence & Strategic Studies		
Title of the Paper	A. Theory: : Mechanism of Warfare		
Type of Course	Major	Course Code: DSS–MJ-T-006	
No. of Lectures	60		
Credits	4		
Marks: 60	Theory	Practical	Total
a) Internal	15	-	15
b) Semester End	40	-	40
Total	55	-	55

Contents of the Course	
Unit	Topics
I	Introduction: Differences between Army, Military and Defence Forces – Distinguishing Second line Defence from Paramilitary Forces with examples
II	Basic Structure and Role of the Army: Armed Forces, Special Forces and Para Military Forces –Role of – TA, CG, NCC & RR & Assam Rifles, Border Security Force (BSF), Sashastra Seema Bal (SSB), Indo-Tibetan Border Police (ITBP), National Security Guard (NSG), Central Reserve Police (CRP), Central Industrial Security Force (CISF), Railway Protection Force (RPF)
III	Conventional war & Unconventional war: Strategies of Land Warfare, Naval Warfare & Air Warfare – Offensive and Defensive – Concept of Shadow war, Low Intensity war & Modern Warfare, Total war & Limited war
IV	Strategy, Tactics & Logistics : Types of strategy, Types of Tactics & Meaning and importance of Logistics in war

Suggested Instructions for Paper Setting

1. Total NINE Questions will be set and students will be required to attempt FIVE questions.
2. Question No. 1 will be compulsory and will consist of 5 short answer type questions of 2 marks each spread over the entire syllabus.
3. The remaining EIGHT questions will be set taking TWO questions from each of the four units. The candidate would be required to attempt FOUR questions in addition to the compulsory question.
4. Remaining question will carry 7.5 marks each.

Learning Resources

Suggested Readings

1. Venkateswaran, A.L., (1967) Defence Organisation in India, New Delhi: Government of India.
2. Government of India, (1924) The Army of India and its Evolution, Calcutta
3. Ministry of Defence, Government of India, Indian Armed Forces Year Book, (Annual)
4. Palit, D.K., (1989) Essentials of Military Knowledge, New Delhi
5. Singh, Nagendra., (1967) Defence Mechanism of Modern State, New Delhi
6. Mathew O. Jackson and Massimo Morelli, The Reasons of wars – an updated Survey, Revised: Dec. 2009
7. Singha, Dr. Ashoke Kumar, Modern Strategic Thought (Machiavelli to the Nuclear Age) and National Security, (2009) Prakash Book Depot, Bareilly, UP – 243 003
8. Singh, Dr. G. C., Modern Art of War (2014), Sarada Pustak Bhavan, Allahabad
9. Roy, Koushik (ed.) The Oxford Companion to Modern Warfare in India, Oxford University Press
10. J. F. C. Fuller, The conduct of war
11. Stephen Peter Rosen, India and its Arms, Oxford University Press
12. Chadha, Lt. Col. Vivek, Low Intensity Conflicts in India: An Analysis, New Delhi, Sage Publications, 2005
13. Martin, L. W., Sea Power in the Modern Strategy
14. Singh, Prof. L. G., Fundamentals of Military Science (2008), Prakash Book Depot, Bareilly, UP – 243 003
15. Singh, Prof. L. G., Defence Mechanism of the modern State (2013), Prakash Book Depot, Bareilly, UP – 243 003
16. Teena Karsa Mayers, Understanding Nuclear Weapons and Arms Control (Third Edition), Washington)
17. Victor Emmerich and Sharan Dev, Modern Warfare and Military Strategy, Dominant Publishers, New Delhi (2000)
18. Basu, Major D. K., Defence and Strategic Studies, Vol. II, (in Bengali language) E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073
19. Basu, Major D. K., Tattye O Tathaye Pracha O Pachattayer Youddhakala, (in Bengali language) E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073
20. Basu, Major D. K., Defence and Strategic Studies, Vol. III, (in Bengali language) E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073

Semester	V (THIRD YEAR)		
Subject	Defence & Strategic Studies		
Title of the Paper	B. Practical: Arms & Armaments		
Type of Course	Major	Course Code: DSS–MJ-P-05	
No. of Lectures	30		
Credits	Theory	Practical	Total
	-	2	2
Marks: 60			
a) Internal	-	-	-
b) Semester End	-	20	20
Total	-	20	20

Contents of the Course

Unit	Topics
I	Weapons and War Equipment of Indian Armed forces: Evolution of Arms and Armaments in Art of War – Theory of Small Arms
II	Small Arms: Characteristics and mechanism of Rifles (.303 Rifle, 7.62 SLR, 5.56 INSAS) – Characteristics and mechanism of LMG, Sten Machine Carbine, Pistol and Revolver, No 36 HE Grenade, 2 inch Mortar
III	Characteristics and mechanism of some Military Airplanes: Fighter Airplanes, Bomber Airplanes, Transport Airplanes – Types of Explosives used in Nuclear Weapons – Types of Guided Missiles
IV	Sketching and Charting of the above topics in Laboratory Note Book

Suggested Instructions for Paper Setting

	<ol style="list-style-type: none"> Total THREE Questions will be set with an alternative to each question and students will be required to attempt TWO questions. Each question carries 5 marks spreading over the entire syllabus. Remaining 10 marks is allotted for sketching and charting the above in Laboratory Note Book & Viva-voce .
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Learning Resources

Suggested Readings	<ol style="list-style-type: none"> Mann, J. C., Map Reading and Field Sketching Sharma, M. P., Manual of Map Reading Basu, Major D. K., Defence and Strategic Studies, Vol. II, 2015 (in Bengali language) E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073 Basu, Major D. K., Defence and Strategic Studies, Vol. III, 2014, (in Bengali language) E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073
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Semester	V (THIRD YEAR)		
Subject	Defence & Strategic Studies		
Title of the Paper	Strategic Thought		
Type of Course	Major	Course Code: DSS–MJ-T-007	
No. of Lectures	90		
Credits	Theory	Practical	Total
	6	-	6
	Theory	Practical	Total

Marks: 75			
a) Internal	15	-	15
b) Semester End	60	-	60
Total	75	-	75

Contents of the Course

Unit	Topics
I	Philosophy of war: Sun Tzu & Kautilaya
II	Strategic thinkers in strategic thoughts: Niccolo Machiavelli & Karl Philipp Gottfried Von Clausewitz
III	Makers of modern strategy: J. F. C. Fuller and Basil Henry Liddell Hart: their views on Mechanized warfare – Guerrilla warfare of Mao-Tse-Tung
IV	Alfred Thayer Mahan's Views on Sea Power and Naval Warfare – Giulio Douhet and William Billy Mitchell – their views on the Role of Air Power in Modern Warfare – Y. Harkabi, John Foster Dulles and Andre Beaufre - theories of Nuclear War and Deterrence

Suggested Instructions for Paper Setting

1. Total NINE Questions will be set and students will be required to attempt FIVE questions.
2. Question No. 1 will be compulsory and will consist of 10 short answer type questions of 2 marks each spread over the entire syllabus.
3. The remaining EIGHT questions will be set taking TWO questions from each of the four units. The candidate would be required to attempt ONE question from each unit in addition to the compulsory question.
4. Remaining question will carry 10 marks each.

Learning Resources

Suggested Readings	<ol style="list-style-type: none"> 1. Dass, S.T., (1987) An Introduction to the art of war 2. Earl, E.M., (1943) Makers of Modern Strategy, Princeton 3. Fuller, J.F.C., (1998) Armament and History, Da Capo Press 4. Fuller, J.F.C., (1992) The Conduct of war, Da Capo Press 5. Shama Shastri., (2012) Kautilya's Arthshastra, Low price Publications 6. Tzu, Sun., (2015) The Art of War, Grapevine, India 7. Duffy, Christopher., (1987) Siege Warfare, Routedledge Kegenpaul 8. Ropp, Theodore., (2000) War in the Modern World, John Hopkins 9. Beaufre Andre., (1965) Deterrence and Strategy, Faber & Faber 10. Mao-Te-Tung., (1967) On the protracted War: Selected works, Foreign Language Press, Peiking 11. Nasultion, Abdul Haris., (1965) Fundamentals of Guerrilla Warfare, Fredrick A Prager 12. Reid, Brain Holden., (1987) J.F.C.Fuller: Military Thinker, Palgrave Mc-Milan 13. Greene, T.N., (1962) The Guerrilla and How to Fight Him, Fredrick A Prager 14. Basu, Major D. K., Tattye O Tathaye Pracha O Pachattayer Youddhakala, (in Bengali language) E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073
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Semester	V (THIRD YEAR)		
Subject	Defence & Strategic Studies		
Title of the Paper	Military Geography of India		
Type of Course	Minor	Course Code: DSS–MI-T-003	
No. of Lectures	60		
Credits	Theory	Practical	Total
	4	-	4
Marks: 75			
a) Internal	10	-	10
b) Semester End	40		40
Total	50		50

Contents of the Course

Unit	Topics
I	Introduction to Military Map used earlier for military purposes – Ineffectiveness of old system of Military Map Reading - Grid System vis-à-vis Present-day GPS (Global Positioning System) in Map Reading – Working of GPS method of Map Reading – Advantages and disadvantages of GPS in Military operations with special emphasis on Surgical Strike and sensing the location of enemy position and target of to-day's Military operations
II	Strategic importance of : a) J & K, b) Punjab, c) Arunachal Pradesh, d) Manipur, e) Mizoram, f) Nagaland and g) Tripura relating to India's National Security
III	Importance of Strategic minerals of India and its uses in Defence Industry of India – Significance and importance of Transport and Communications with special emphasis on Border Roads Development Organisation (BRO) – Location of Atomic Research Centers of India
IV	Military Geography & Security of India: Importance of Geo-Strategic Location of India, K. M. Panikkar's views on India's Geo-location and security

Suggested Instructions for Paper Setting

<ol style="list-style-type: none"> Total NINE Questions will be set and students will be required to attempt FIVE questions. Question No. 1 will be compulsory and will consist of 5 short answer type questions of 2 marks each spread over the entire syllabus. The remaining EIGHT questions will be set taking TWO questions from each of the four units. The candidate would be required to attempt FOUR questions in addition to the compulsory question. Remaining question will carry 7.5 marks each.

Learning Resources

Suggested Readings	<ol style="list-style-type: none"> Roy, Animesh, The Land and the People: Mizoram Mahan, A. T., The Influence of Sea Power upon History, 1890 Sukhwai, B. L., Modern Political Geography, New Delhi, 1985 Prescott, J. R. V., Geography of Frontiers and Boundaries, 1959 Panikkar, K. M., India and the Indian Ocean: An Essay on the influence of Sea Power on Indian History, New York: Macmillan Company, 1945 Subrahmanyam, K., Strategic Importance of the Indian Ocean, 1982 Sharma, Lt. Colonel Goutam, India: The Land and the people: Our Armed Forces Wadia, Meher D. N., Minerals of India, 2000 Sali, M. L., Military Geography, Manas Publications, New Delhi, 2009 Singh, Prakash, India: The Land and the People: Nagaland Louis, Pettier & Pery, E. Etzel, Military Geography, 1981 Dikshit, R. D., Political Geography Dwivedi, R. L., Fundamentals of Political Geography Adhikari, Sudepta, Political Geography, 1947 Krishnaswamy, India's Mineral Resources, 1974 Basu, Major D. K., Defence and Strategic Studies, Vol. I, 2013 (in Bengali language) E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073
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	17. Basu, Major D. K., Defence and Strategic Studies, Vol. III, (in Bengali language) E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073
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Semester		VI (THIRD YEAR)	
Subject	Defence & Strategic Studies		
Title of the Paper	A. Theory: : Defence Organisation & Management in India		
Type of Course	Major	Course Code: DSS–MJ-T-008	
No. of Lectures	60		
Credits	4		
Marks: 60	Theory	Practical	Total
a) Internal	15	-	15
b) Semester End	40	-	40
Total	55	-	55

Contents of the Course

Unit	Topics
I	Introduction: Emergence of problems on newly constituted Indian Army after partition of India, 1947 – India’s Post-independence Defence Set-up and considerations of various aspects of Defence Management – Considerations on Re-organization of Indian Defence and Revolution in Military Organisation (RMO) – Post-independence organizational Commands and various components of Indian Army
II	Structural changes in Indian Army – Higher Defence Organizations of India, its management, Power of the President of India in relation to Defence – Role and function of Ministry of Defence, Relationship between Indian Parliament and Armed Forces
III	Composition and function of Indian Defence Committees and National Security Council (NSC) – Chief of Staff and joint service Organization – Intelligence Organizations: JIC, RAW, IB, MI
IV	Organization of Indian Defence Forces: Army, Navy and Air Force Organizations: (a) Organization of army, Navy and Air Force Headquarters (Role of COAS and PSOs) and CDS, (b) Static and Field formation of Indian Army and (c) Arms and Services, (d) Integrated Theatre Commands (ITC)

Suggested Instructions for Paper Setting

	<ol style="list-style-type: none"> Total NINE Questions will be set and students will be required to attempt FIVE questions. Question No. 1 will be compulsory and will consist of 5 short answer type questions of 2 marks each spread over the entire syllabus. The remaining EIGHT questions will be set taking TWO questions from each of the four units. The candidate would be required to attempt FOUR questions in addition to the compulsory question. Remaining question will carry 7.5 marks each.
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Learning Resources

Suggested Readings	<ol style="list-style-type: none"> Venkateswaran, A.L., (1967) Defence Organisation in India, New Delhi: Government of India Government of India, (1924) The Army of India and its Evolution, Calcutta Ministry of Defence, Government of India, Indian Armed Forces Year Book, (Annual) Palit, D.K., (1989) Essentials of Military Knowledge, New Delhi Singh, Nagendra., (1967) Defence Mechanism of Modern State, New Delhi Stephen Cohen, The Indian Army: It’s contribution to the Development of a Nation, 2001, Oxford
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7. Basu , D. K., Defence Organization and Management of India, Semester V, 2020, (in Bengali language) E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073

Semester		VI (THIRD YEAR)	
Subject	Defence & Strategic Studies		
Title of the Paper	B. Practical: Map Reading - II		
Type of Course	Major	Course Code: DSS–MJ-P-06	
No. of Lectures	30		
Credits	Theory	Practical	Total
	-	2	2
Marks: 60			
a) Internal	-	-	-
b) Semester End	-	20	20
Total	-	20	20

Contents of the Course

Unit	Topics
I	Service Protractor and its uses – Methods of measuring bearing on Map by using Service Protractor
II	Finding North on ground – Setting a Map with Compass
III	Use of Compass to arrive at a fixed point during Day and Night – Preparation of a Night March Chart
IV	Represent the above topics by drawing and sketching in Laboratory Note Book

Suggested Instructions for Paper Setting

- Total THREE Questions will be set with an alternative to each question and students will be required to attempt TWO questions. Each question carries 5 marks spreading over the entire syllabus.
- Remaining 10 marks is allotted for sketching and charting the above in Laboratory Note Book with Viva-voce.

Learning Resources

Suggested Readings	<ol style="list-style-type: none"> Mann, J. C., Map Reading and Field Sketching Sharma, M. P., Manual of Map Reading Basu, Major D. K., Defence and Strategic Studies, Vol. III, 2014, (in Bengali language) E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073
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Semester		VI (THIRD YEAR)	
Subject	Defence & Strategic Studies		
Title of the Paper	A. Theory: : Science & Technology in Relation to War		
Type of Course	Major	Course Code: DSS–MJ-T-009	
No. of Lectures	60		

Credits	4		
Marks: 60	Theory	Practical	Total
a) Internal	15	-	15
b) Semester End	40		40
Total	55	-	55

Contents of the Course

Unit	Topics
I	Historical background of Science and Technology development in India – Infrastructure of Science and Technology Development in India – Aims of Technology Policy of India – Post-independence Science and Technology in National Security comparing Present with the Past
II	Implementation of Make in India Policy in Defence Sector through DRDO and Defence import-export Reforms – Modernization of the Indian Armed Forces & Role of Defence Research and Development Organization (DRDO)
III	Transfer of Technology: International interdependence, Role of Multinational Corporations
IV	Science and Technology in India in comparison with China and Pakistan

Suggested Instructions for Paper Setting

1. Total NINE Questions will be set and students will be required to attempt FIVE questions.
2. Question No. 1 will be compulsory and will consist of 5 short answer type questions of 2 marks each spread over the entire syllabus.
3. The remaining EIGHT questions will be set taking TWO questions from each of the four units. The candidate would be required to attempt FOUR questions in addition to the compulsory question.
4. Remaining question will carry 7.5 marks each.

Learning Resources

Suggested Readings	
	<ol style="list-style-type: none"> 1. Ahmed, Asif, Science Technology and War, 21st Century Publications, Patiala. January, 2014 2. Anand. A. (2003) Information Technology: The future warfare weapons, Ocean Books, New Delhi 3. Arcangelis, Mariode, (1990) Electronics Warfare, Ratna, New Delhi 4. Baranson, Jack. (1978) Technology and the Multinationals, Lexington Books, Lexington 5. Chandrashekar, S., (2015) Space, War and Security – A Strategy for India. NIAS Report No. 36-2015. Bangalore: International Strategic and Security Studies Programme, National Institute of Advanced Studies 6. Jasbir R.K, (1987) Handbook of military science and Armament Technology, Natraj publications, Dehradun 7. Johan Erickson (Ed.) (1966) The Military Technical Revolution: Its Impact on strategic and Foreign Policy, Frederick A Praeger, New York 8. Macksey, Kenneth (1986) Technology in War: The impact of Science on weapon development and modern battle, Prentice Hall, New York 9. Mann T.S., (1982) Transfer and Technology, Himalaya Publications House, Bombay 10. Rajan, Y. S. (2001) Empowering India (with Economic Business & Technological strengths for the twenty First Century), HarAnand Publications, New Delhi 11. Rehman, A. (1972) Science Technology and Society, People's Publishing House, New Delhi 12. Robert H. Latiff, (2017) Future war: Preparing for the new global battlefield, PenguinRandom House, New York 13. Singer, H.W., (1988) Technology Transfer by Multinational Vol. I& II, Ashish PublishingHouse, New Delhi 14. Tiwari V.M. and Rajinikanth, (1996) The high-tech war at twentieth Century, VikasPublishing, New Delhi 15. Major D K Basu, Defence and Strategic Studies, Volume I, (in Bengali Language) 2013, ET Publication, Berhampore, Murshidabad- 742101

Semester			
VI (THIRD YEAR)			
Subject	Defence & Strategic Studies		
Title of the Paper	B. Practical: Sketching of Modern Weapons		
Type of Course	Major	Course Code: DSS–MJ-P-07	
No. of Lectures	30		
Credits	Theory	Practical	Total
	-	2	2
Marks: 60			
a) Internal	-	-	-
b) Semester End	-	20	20
Total	-	20	20

Contents of the Course

Unit	Topics
I	Modern Weapon Carrier and its characteristics: Tank – Battle Tanks of India
II	Naval War weapon Carrier – Submarine, Torpedo – Modern Naval Arms: Battleship, Cruiser, Destroyer, Frigate, Corvette, Mine Sweeper, Torpedo, Depth Charge
III	Air war weapon carrier – Fighter Airplanes, Bombing Airplanes, Transport Airplanes – Rocket and Guided Missile (SSM, SAM, AAM)
IV	Drawing & Sketching the above topics in Laboratory Note Book with a short description

Suggested Instructions for Paper Setting

	<ol style="list-style-type: none"> Total THREE Questions will be set with an alternative to each question and students will be required to attempt TWO questions. Each question carries 5 marks spreading over the entire syllabus. Remaining 10 marks is allotted for sketching and charting the above in Laboratory Note Book and Viva-voce.
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Learning Resources

Suggested Readings	<ol style="list-style-type: none"> Mann, J. C., Map Reading and Field Sketching Sharma, M. P., Manual of Map Reading Basu, Major D. K., Defence and Strategic Studies, Vol. II, (in Bengali language) E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073 Basu, Major D. K., Defence and Strategic Studies, Vol. III, 2014, (in Bengali language) E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073
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Semester			
VI (THIRD YEAR)			
Subject	Defence & Strategic Studies		
Title of the Paper	India's National Security Policy & International Relations		
Type of Course	Major	Course Code: DSS–MJ-T-010	
No. of Lectures	90		
Credits	Theory	Practical	Total
	6	-	6
	Theory	Practical	Total
Marks: 75			

a) Internal	15	-	15
b) Semester End	60	-	60
Total	75	-	75

Contents of the Course

Unit	Topics
I	India's Geo-Strategic location and Geo-Political importance in South Asia in relation to National Security – Land, Air and Maritime Security – China's String of Pearls Strategy and India's Response
II	Dimension of National Power in support of India's National Security Policy with Military Preparedness, Diplomacy & Leadership
III	Determinants of Indian Foreign Policy – Basic Determinants: Objectives of Indian foreign – Security problems related to Pakistan and China and Regional Security challenges
IV	India's relations with – a) Neighbouring countries – Pakistan and Bangladesh, b) Big powers – USA, Russia and China

Suggested Instructions for Paper Setting

1. Total NINE Questions will be set and students will be required to attempt FIVE questions.
2. Question No. 1 will be compulsory and will consist of 10 short answer type questions of 2 marks each spread over the entire syllabus.
3. The remaining EIGHT questions will be set taking TWO questions from each of the four units. The candidate would be required to attempt ONE question from each unit in addition to the compulsory question.
4. Remaining question will carry 10 marks each.

Learning Resources

Suggested Readings	<ol style="list-style-type: none"> 1. Chandra Satish, Law of The Sea: Text On U.N. Conventions, Mittal Publications, New Delhi, 1985 2. Green L. C. International Law through the cases, Oceana Publications, New York, 1970 3. Malhotra VinayKumar, International Relations, Amol Publications, New Delhi, 2001 4. Anand R. P., New States and International Law, Vikas Publications, New Delhi, (Viyas) 1972 5. Anand R. P., Studies in International Adjudication, Vikas Publications, New Delhi, 1963 6. Agrawal S. K., (Ed). , Essay on the Law of Treaties, Bombay – Orient Longmans, 1973 7. Agrawal S. K., (Ed)., New Horizons of International Law and the Development Countries, Bombay, N. N. Fropolc, 1983 8. Sorenson Max, Manual of Public International Law, St. Martin's press, New York, USA, 1968 9. Deshpande Shrikant, Aantarrashtriyakayda, Shri MangeshPrakashan, Nagpur, (IIIrdEd.)1990 10. Gupta U. N., The Law of the Sea, Vol. I, New Delhi, Atlantic Publishers & Distributers, 2005 11. National Council for Teacher Education, Human Rights and National Values: Self-Learning Module, Volumes I-III, New Delhi, 1996 12. UN Centre for Human Rights, Elimination of all Forms of Intolerance and Discrimination Based on Religion or Belief, New York, UN Publication Division, 1989 13. Bhagwati, P.N., Legal Aid as Human Rights, Jagrut Bharut, Dharwad, 1985 14. Jayapalan, N., Human Rights, Atlantic Publishers, New Delhi, 2000 15. India, Ministry of Welfare, India Marches Ahead towards Greater Attainment of Human Rights, Govt. of India, New Delhi, 1988 16. Morgenthau Hans, Politics among Nation 17. Peter Calvocoress, World Politics since 1945 18. Gillian Youngs, International Relations in Global Age 19. Joshi Sudhakar, International Relations 20. Calvocoressi peter, World Politics since 1945, London, Longman, 2000 21. Halperin Morton, Contemporary Military Strategy, Faber & Faber; Revised edition (December, 1970) 22. Clark Maurice, Reading in the economics of War, University of California Libraries, 1918 23. Palmer & Parkins, International Relation, Calcutta, Scientific Book Agency – 1970 24. Brodie B., Strategy in the missile Age, RAND Corporation, 2007 25. Basu, Major D K, Defence and Strategic Studies, Vol. I, 2013 (Indian National Security), E. T.
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	Publication, Berhampore, Murshidabad 26. Basu, Major D K, Defence and Strategic Studies, Vol. I, Semester I, 2019, E. T. Publication, Berhampore, Murshidabad
UG Degree	Summer Internship for 2 credits required

Semester	VII (FOURTH YEAR)		
Subject	Defence & Strategic Studies		
Title of the Paper	Non-Traditional Security Threats		
Type of Course	Major	Course Code: DSS–MJ-T-011	
No. of Lectures	90		
Credits	Theory	Practical	Total
	6	-	6
Marks: 75 a) Internal b) Semester End	Theory	Practical	Total
	15 60	- -	15 60
Total	75	-	75

Contents of the Course

Unit	Topics
I	Definition and concept of Non-Traditional Security – Distinction between Traditional Security and Non-Traditional Security
II	Concept and meaning of : (a) Human Security, (b) Environmental Security (c) Energy Security
III	Narco-Terrorism, Small Arms Proliferation
IV	Organized Crimes, Issue of Money Laundering

Suggested Instructions for Paper Setting

	<ol style="list-style-type: none"> Total NINE Questions will be set and students will be required to attempt FIVE questions. Question No. 1 will be compulsory and will consist of 10 short answer type questions of 2 marks each spread over the entire syllabus. The remaining EIGHT questions will be set taking TWO questions from each of the four units. The candidate would be required to attempt ONE question from each unit in addition to the compulsory question. Remaining question will carry 10 marks each.
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Learning Resources

Suggested Readings	<ol style="list-style-type: none"> Happymon Jacob, (2005), HIV/AIDS as a Security Threat to India Joakim Palme, Kristof Tamas (2006), Globalizing migration regimes: new challenges to transnational cooperation Kimberley L. Thachuk, (2007), Transnational threats: smuggling and trafficking in arms, drugs, and human life Lal, Marie, (2008), The geopolitics of Energy in South Asia, Institute of Southeast Asian Studies, Singapore Leena, (2009), Energy Infrastructure: Priorities, Constraints and Strategies for India, Oxford, India Margaret E. Beare, (2003), Critical reflections on transnational organized crime, money laundering and corruption Mely Caballero Anthony, Ralf Emmers, AmitavAcharya (Eds), (2006), Non-Traditional
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	<p>Security in Asia: Dilemmas in Securitization, Athenaeum Press Ltd.</p> <p>8. MoufidaGoucha, John Crowley (2008), Rethinking human security</p> <p>9. Richard A. Matthew and John Barnett, Bryan Macdonald and Karen L. O'Brien (2010) Global environment Change and Human Security</p> <p>10. Robert Powis, (1992), The Money Launderer, Probus Publishing</p> <p>11. Shahrbanou Tadjbakhsh, Anuradha M. Chenoy (2007) Human security: Concepts and Implications</p> <p>12. Routledge Advances in International Relations and Global Politics</p> <p>13. Sovacool K. Benjamin (2011), TheRoutledge Handbook of Energy Security. Singapore</p> <p>14. Basu, Major D. K., Defence and Strategic Studies, Vol. I, Semester – I, 2019 (in Bengali language) E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073</p> <p>15. Professor Major Basu, D. K., Human Rights (in Bengali Language), (in Bengali Language) 2018, E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073</p>
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Semester		VII (FOURTH YEAR)	
Subject	Defence & Strategic Studies		
Title of the Paper	Economic & Industrial Bases of India's National Security		
Type of Course	Major	Course Code: DSS–MJ-T-012	
No. of Lectures	90		
Credits	Theory	Practical	Total
	6	-	6
Marks: 75	Theory	Practical	Total
	a) Internal 15	-	15
b) Semester End	60	-	60
Total	75	-	75

Contents of the Course	
Unit	Topics
I	Resources and its importance in National Security – India's Strategic Minerals: Metallic, Non-metallic and other minerals of strategic importance, Radio Active minerals in India and its importance in Defence
II	Industrialization of India and impact on Defence since independence
III	Defence industries of India – BEL, GRSE, HAL, BEML, MIDHANI
IV	India's key and heavy civil industries convertible to Defence Industry – Iron & Steel, Aluminum, Aircraft, Shipbuilding, Automobile, Chemical & Electronics

Suggested Instructions for Paper Setting	
	<ol style="list-style-type: none"> Total NINE Questions will be set and students will be required to attempt FIVE questions. Question No. 1 will be compulsory and will consist of 10 short answer type questions of 2 marks each spread over the entire syllabus. The remaining EIGHT questions will be set taking TWO questions from each of the four units. The candidate would be required to attempt ONE question from each unit in addition to the compulsory question. Remaining question will carry 10 marks each.

Learning Resources	
Suggested Readings	<ol style="list-style-type: none"> A. N. Agrawal, Indian Economy, New Age International (P) Ltd. 2001 Meher D. N. Wadia, Minerals of India, 2000

	<ol style="list-style-type: none"> 3. Pettier Louis & E. Etzel Pery, Military Geography, 1981 4. S. Krishnaswamy, India's Mineral Resources, 1974 5. S. K. Sathukhan, Economic Geography, An Appraisal of Resources, 1994, S. Chand & Co. Ltd. 6. Agrawal, P. (ed), Sustaining High Growth in India, Cambridge University Press, 2018 7. Behera, Laxman Kumar, India's Defence Economy, South Asia Edition, Routledge 8. Behera, Laxman Kumar, India's Defence Industry: An Agenda for Making in India, 2016 9. Kapila. U., Economic Development and Policy in India, Academic Foundation, 2009 10. Kapila, U., Indian Economy Since Independence, Academic Foundation, 2015 11. Pater Alis & P. G. Estel, Military Geography 12. Basu, Major D K, Defence and Strategic Studies, Vol. I, 2013 (Indian National Security), E. T. Publication, Berhampore, Murshidabad
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Semester		VII (FOURTH YEAR)	
Subject	Defence & Strategic Studies		
Title of the Paper	A. Theory: : Operations of War & its Procedures		
Type of Course	Major	Course Code: DSS–MJ-T-013	
No. of Lectures	60		
Credits	4		
Marks: 60	Theory	Practical	Total
a) Internal	15	-	15
b) Semester End	40		40
Total	55	-	55

Contents of the Course	
Unit	Topics
I	Role of Army, Navy and Air Force in operations – Stages of Operations – Decentralization of Control, Grouping and Deployment of soldiers in war operation
II	Concept of Tactical Terms – Concentration Area, Assembly Area, Forming Up Place (FUP), Start Line (SL), Axis, H-Hour, D-Day, Defended Post, Defended Locality & Defended Area, Break-in, Dog fight, Break-out
III	Battle Procedure – Advance to contact, Attack: a) Quick Attack, b) Deliberate Attack – Principles of Attack – Time of Deliberate Attack – Air Attack – Defence: Principles of Defence, Size of Defended Area – Withdrawal: Method of Withdrawal – Final stages of Withdrawal & Fixation of time of Withdrawal
IV	Brief account of Operations in (a) Kashmir Conflict, 1947, (b) Kargil War, 1999

Suggested Instructions for Paper Setting	
	<ol style="list-style-type: none"> 1. Total NINE Questions will be set and students will be required to attempt FIVE questions. 2. Question No. 1 will be compulsory and will consist of 5 short answer type questions of 2 marks each spread over the entire syllabus. 3. The remaining EIGHT questions will be set taking TWO questions from each of the four units. The candidate would be required to attempt FOUR questions in addition to the compulsory question. 4. Remaining question will carry 7.5 marks each.

Learning Resources	
Suggested Readings	<ol style="list-style-type: none"> 1. Singh, Dr. G. C., Tandon, Dr. R. K. & Agrwal, Dr. P., Indian Art of War, 2014, Sarada Pustak Bhavan, Allahabad 2. Singh, Dr. G. C., Modern Art of War, 2014, , Sarada Pustak Bhavan, Allahabad

	<p>3. Fuller, J. F. C., The Conduct of War</p> <p>4. Martin Van Creveld, 1991, Technology and War, First U. K. Edition</p> <p>5. Singh, L. G. The Defence Mechanism of the modern State, 2013</p> <p>6. Quiancy Wright, A Study of War</p> <p>7. Sarkar, S. N., Military History of India</p> <p>8. Viktor Emmerich and Sharan Dev, Modern Warfare and Military Strategy, Dominant Publishers, New Delhi, 2000</p> <p>9. Basu, Major D. K., Defence and Strategic Studies, Vol. II, 2015 (in Bengali language) E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073</p>
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Semester		VII (FOURTH YEAR)	
Subject	Defence & Strategic Studies		
Title of the Paper	B. Practical: Sketching charts of Attack & Defence		
Type of Course	Major	Course Code: DSS–MJ-P-08	
No. of Lectures	30		
Credits	Theory	Practical	Total
	-	2	2
Marks: 60			
a) Internal	-	-	-
b) Semester End	-	20	20
Total	-	20	20

Contents of the Course

Unit	Topics
I	Necessity of sketching charts of Attack & Defence before Operation of War – Rank and Rank structure in the Defence services in India to recognize the Army Personnel
II	Concept of Army, Corps, Division, Brigade, Battalion, Company, Platoon, Section, AMC, EME, ASC, APO, MP, Battery, Pillbox, Mortor, Grenade, Mines, Trench, Ambush, Booby trap, Quarter Guard, Flagship, Bale out, Paratroopers, Cockpit, Sortie, Rader Uses of some Defence Terminology & their Abbreviations during war: Recce, Zero Hour, RV, FUP, SL
III	Charts: a) Axis of Advance, b) Fist Stage of quick attack, c) First stage of attacking Pillbox, d) Second stage of attacking Pillbox, e) Third stage of attacking Pillbox, f) Fourth stage of attacking Pillbox & g) Platoon Defended locality
IV	Short description of the above topics is to be recorded with charts and sketches where necessary in Laboratory Note Book , Group discussion among learners projecting the above charts in Digital Board

Suggested Instructions for Paper Setting

	<p>1. Total THREE Questions will be set with an alternative to each question and students will be required to attempt TWO questions. Each question carries 5 marks spreading over the entire syllabus.</p> <p>2. Remaining 10 marks is allotted for sketching and charting the above in Laboratory Note Book and Group Discussion.</p>
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Learning Resources

Suggested Readings	<p>1. Basu, Major D. K., Defence and Strategic Studies, Vol. II, 2015 (in Bengali language) E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073</p>
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2. Basu, Major D. K., Defence and Strategic Studies, Vol. III, 2014, (in Bengali language) E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073

Semester		VII (FOURTH YEAR)	
Subject	Defence & Strategic Studies		
Title of the Paper	Defence Organisation & Military History of India		
Type of Course	Minor	Course Code: DSS–MI-T-004	
No. of Lectures	60		
Credits	Theory	Practical	Total
	4	-	4
Marks: 75			
a) Internal	10	-	10
b) Semester End	40		40
Total	50		50

Contents of the Course

Unit	Topics
I	Post-Independence India's Defence Set-up: Higher defence organization and its management -Ministry of Defence, Powers of President of India in relation to Armed Forces, India's Defence Committee/Political Affair Committee, Parliamentary Standing Committee on Defence of India, Formation of India's National Security Council
II	Armed Forces of Indian Defence (Military): Organisation of Indian Army – i) Infantry Regiment, ii) Organisation of: Armoured Regiment & Artillery Regiment – iii) Logistics Services provided by Army Service Corps: AOC & AMC – iv) India's Intelligence Organisations: RAW & IB– v) India's Internal Security Organisations : a) Para-military Forces – BSF, NSG, CRPF, RPF, b) India's Second Line of Defence: NCC and its role & d) Civil Defence
III	a) Causes of war, Strength and battle formation, description of actual pre-modern Battles: i) Battle of Hydaspes (Jhelum) & ii) First Battle of Panipath b) Military History of early modern Period: Art of war and Military system of Mughal Rulers: i) Battle of Haldighati, 1576 – Background and Causes, Battle formation & operations and its consequences ii) Battle of Plassey, 1757 – Background and causes, Battle formation and operations with consequences
IV	Military History of colonial Period & modern India: i) Battle of Assaye, 1803 - Background and causes, Battle formation and operations with consequences, ii) Indo-China war, 1962 ii) Indo-Pak war, 1965 & Bangladesh War, 1971, ii) Kargil war, 1999

Suggested Instructions for Paper Setting

1. Total NINE Questions will be set and students will be required to attempt FIVE questions.
2. Question No. 1 will be compulsory and will consist of 5 short answer type questions of 2 marks each spread over the entire syllabus.
3. The remaining EIGHT questions will be set taking TWO questions from each of the four units. The candidate would be required to attempt FOUR questions in addition to the compulsory question.
4. Remaining question will carry 7.5 marks each.

Learning Resources

Suggested Readings	
	<ol style="list-style-type: none"> 1. Venkateswaran, A. L., Defence Organisation of India 2. Oberoi, Lt. General Vijay, Need for structural Changes in India's Higher Defence Management 3. Singh, Nagendra, Defence Mechanism of Modern State 4. Bhattacharjee, Arun, History of Ancient India, New Delhi, Sterling Publishers, 1979 5. Singh, Dr. G. C., Tandon, Dr. R. K. & Agarwal, Dr. P. A., Indian Art of War, 2014, Sarada Pustak

	<p>Bhavan, Allahabad, UP</p> <p>6. Gupta, P. S. & Despande, Anirudh, The British Raj and its Indian Armed Forces, 1857-1939, New Delhi, Oxford University Press, 2002</p> <p>7. Melleeson, G. V., The Decisive Battle of India</p> <p>8. Sarkar, J. N., Military History of India, Kolkata, 1960, Orient Longmans</p> <p>9. Roy, Koushik, India's Historic Battles, Warfare in British India, Routledge</p> <p>10. Bandopadhyaya, Sekhar, From Plassey to Partition, Oriental Longmans, New Delhi-04</p> <p>11. Basu, Major D. K., Defence Organisation and Management of India, (in Bengali language) E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073</p> <p>12. Basu, Major D. K., Tattye O Tathaye Pracha O Pachattayer Youddhakala, (in Bengali language) E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073</p> <p>13. Basu, Major D. K., Military History of India, 2020, (in Bengali language) E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073</p>
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Semester		VIII (FOURTH YEAR)	
Subject	Defence & Strategic Studies		
Title of the Paper	Military Psychology & Collective Security in World Peace		
Type of Course	Major	Course Code: DSS–MJ-T-014	
No. of Lectures	60		
Credits	Theory	Practical	
	4	-	
Marks: 60			10
a) Internal	10	-	40
b) Semester End	40	-	
Total	50	-	50

Contents of the Course

Unit	Topics
I	Military Psychology: Definition, Scope, Significance and its role during war and peace – Psychological Weapons of War: Propaganda, Rumour and indoctrination
II	Military Leadership: Meaning, attributes and Management, Role of Training – Inter-Group Behaviour – Inter-Group Collaboration and Conflict Management – Fear, Panic, Espirit-de-corps
III	Discipline: Definition, purpose and tools of maintaining Discipline – Motivation and Morale factors and their utilization in the armed forces – Man Management: Concept, importance and strategy vis-à-vis armed forces. Emotional problems and adjustment during war and peace
IV	Emergence of the Concept of Collective Security – Definition, Characteristics – Relation between Collective Security and Balance of Power – Collective Security distinguished from Collective Defence – Security Problems of Third World Countries

Suggested Instructions for Paper Setting

	<ol style="list-style-type: none"> Total NINE Questions will be set and students will be required to attempt FIVE questions. Question No. 1 will be compulsory and will consist of 5 short answer type questions of 2 marks each spread over the entire syllabus. The remaining EIGHT questions will be set taking TWO questions from each of the four units. The candidate would be required to attempt FOUR questions in addition to the compulsory question.
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	4. Remaining question will carry 7.5 marks each.		
Learning Resources			
Suggested Readings	<ol style="list-style-type: none"> 1. Bartlett, F.C., (1927) Psychology and the Soldier, Cambridge, Cambridge University Press 2. Baynes, John., (1967) Morale, : A study of Men and courage London, Cassell 3. Boring, E.G., (ed.), (1945) Psychology for the Armed Services, Dehradun, Natraj Publishers 4. Chibber, M.L. (1986) Military Leadership to Prevent Military Coup, New Delhi, Lancer International 5. Copeland, Norman., (1967) Psychology and the soldier, Dehradun, English Book Depot 6. Hasnain Qamar., (1967) Psychology for the fighting man, Dehradun, English Book Depot, Publishing Company 7. Lienbarger, P.M.A., (1954) Psychological Warfare, Washington, D.C. Combat Press 8. Raj Narain, (1979) Military Psychology, Agra: National Psychological Co-operation, 1st edition 9. Nidhi Maheshwar, (2016) Military Psychology: Concepts, Trends & Interventions, Sage Publication India Pvt Ltd. 10. Basu, Major D. K., Defence and Strategic Studies, Vol. I, Semester – I, 2019 (in Bengali language) E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073 		
Semester VIII (FOURTH YEAR)			
Subject	Defence & Strategic Studies		
Title of the Paper	Conflict Resolution & Peace Management		
Type of Course	Major	Course Code: DSS–MJ-T-015	
No. of Lectures	60		
Credits	Theory	Practical	
	4	-	
Marks: 60			10
a) Internal	10	-	40
b) Semester End	40	-	
Total	50	-	50
Contents of the Course			
Unit	Topics		
I	Meaning and Concept of Conflict – Sources, types and Levels of Conflicts – Theories of Conflict		
II	Meaning of Peace, Importance of Peace for Human Survival and Development – Theories of Peace keeping and making and Peace Building – Challenges to Peace Building		
III	Methods of Conflict Resolution – Role of Government – Role of Civil Society and Media – Role of International Organizations		
IV	Peace Management: Developmental measures, Inter-Religious Dialogue, Confidence building measures		
Suggested Instructions for Paper Setting			
	<ol style="list-style-type: none"> 1. Total NINE Questions will be set and students will be required to attempt FIVE questions. 2. Question No. 1 will be compulsory and will consist of 5 short answer type questions of 2 marks each spread over the entire syllabus. 3. The remaining EIGHT questions will be set taking TWO questions from each of the four units. The candidate would be required to attempt FOUR questions in addition to the compulsory question. 		

4. Remaining question will carry 7.5 marks each.

Learning Resources

Suggested Readings	<ol style="list-style-type: none"> 1. Galtung Johan, (1996) Peace by Peaceful Means, Peace, Conflict, Development and Civilizations, London, Sage 2. Galtung Johan, (1984) Struggle for Peace, Ahmadabad, Peace Research Centre 3. Kaplan, Morton, (1957) System and Process in International Politics, New York, Wiley 4. Kant, Immanuel, (1957) Perpetual Peace, New York, Wiley 5. Prasad, Devi, (1984) Peace Education or Education for Peace, New Delhi, Gandhi Peace Foundation 6. Bright, Brock Utne, (1985) Educating for Peace, New York, Peragamon Press 7. Burton, John W., (1965) International Relations: A General Theory, Cambridge, Cambridge University Press 8. Galtung Johan, (1996) Peace by Peaceful Means, Peace, Conflict, Development and Civilizations, London, Sage 9. Galtung Johan, (1984) Struggle for Peace, Ahmedabad, Peace Research Centre 10. Kaplan, Morton, (1957) System and Process in International Politics, New York, Wiley 11. Prasad, Devi, (1984) Peace Education or Education for Peace, New Delhi, Gandhi Peace Foundation 12. Barash, D. (2000), Approaches to Peace. A Reader in Peace Studies. Oxford: Oxford University Press 13. Chetail, V. (ed.) (2009), Post-Conflict Peace Building: A Lexicon, Oxford: Oxford University Press 14. Diamond, L., J. McDonald (1996), Multi-Track Diplomacy, A Systems Approach to Peace, West, Hartford, CT: Kumarian Press 15. Bright, Brock Utne, (1985) Educating for Peace. New York, Peragamon Press 16. Burton, John W., (1965) International Relations: A General Theory, Cambridge, Cambridge University Press 17. Majumder, Anindya Jyoti, Chatterjee, Shibashis, Peace and Conflict Studies, Perspective from South Asia, 2020, London, Seller: Books in my Basket, New Delhi, India
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Semester	VIII (FOURTH YEAR)		
Subject	Defence & Strategic Studies		
Title of the Paper	Research Methodology		
Type of Course	Major	Course Code: DSS-MJ-T-016	
No. of Lectures	60		
Credits	Theory	Practical	
	4		
Marks: 60			
a) Internal	10	-	10
b) Semester End	40	-	40
Total	50	-	50

Contents of the Course

Unit	Topics
I	Social Research: Definition, features and purposes – Types of Research – Need for Research Methodology and its importance
II	Steps in Social Research: Methods of Social Research – Basic elements of Social Research – Selection of Research Problem – Hypothesis
III	Research Design – Objectives, features and importance – Review of literature – Subject matter of

	Research Design – Data Collection: Primary and Secondary: Observation, Case Study, Sampling, Document Study, Group discussion
IV	Research Report: Types of Research Report and its features – Findings – Conclusion – Reference Style: Bibliography – Appendix – Index
Suggested Instructions for Paper Setting	
	<ol style="list-style-type: none"> Total NINE Questions will be set and students will be required to attempt FIVE questions. Question No. 1 will be compulsory and will consist of 5 short answer type questions of 2 marks each spread over the entire syllabus. The remaining EIGHT questions will be set taking TWO questions from each of the four units. The candidate would be required to attempt FOUR questions in addition to the compulsory question. Remaining question will carry 7.5 marks each.
Learning Resources	
Suggested Readings	<ol style="list-style-type: none"> Adms, Gerld, R. & Joy, D. Schvaneveldt, Understanding Research Methods, Longman, New York, 1985 Ahmed, A. A. A., Research Methodology in Education (in Bengali), Pravati Library, Dhaka, 2005 Ahuja, Ram (2002), Research Methods, Rawat Publication, Jaip[ur & New Delhi Alam, K., Methods in Social Research (in Bengali), Minerva Publications, Dhaka, 2005 Bhattacharya, D. K., (2006), Research Methodology, Excel Books, New Delhi, India Khaleque, A., Sorcar, N. R. and Rahman, A., Research Methodology in Social Science (Ed-in Bengali), Hassan Book House, Dhaka, 2005 Lal Das, D. K., Designs of Social Research, Rawat Publications, New Delhi, 2005 Singh, S., Research Methodology in Social Sciences, Himalaya Publishing House, 2007 Yin, R. K., Case Study Research: Design and Methods, Sage Publications, Newburg Park, C.A. 1989 Basu, Major D. K., Defence and Strategic Studies, Vol. III, 2014, (in Bengali language) E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073
Honours without Research	At the end of Semester VIII 2 Courses of 6 credits each, i.e, 2 x 6 = 12 credits required
Honours with Research	At the end of Semester VIII Research Project / Dissertation of 12 credits required
Suggestions for Selection of Research Projects / Dissertation	
	<p>Research Projects are to be selected on topics involving application of knowledge / and exploration of real life situation, Such as 1) Indo-Nepal Border Security & Management, 2) Study and Assessment of Potential Cyber Threats in your area, 3) inputs on any Natural and Manmade Disaster of your area and its Management, 4) Potential Threats to the City Security and its Management, 5) Problems involving illegal Border Migration and Women Trafficking particularly in the border area of your locality and its Management, 6) Non-Traditional Security Problems involving Environmental Pollution in your area, etc.</p> <p>Arrangement of visiting any Defemce Units in the students' locality including Paramilitary Units and any such sorts of Educational Tour may be arranged to give an exposure to Practical Real Life to students.</p>