

Semester wise Structure of U. G. Programme

(Based on Common Minimum Syllabus for all Uttarakhand State University / Colleges)

In

Defence & Strategic Studies (DSS)



**SRI DEV SUMAN UTTARAKHAND UNIVERSITY
BADSHAHI THAUL, TEHRI GARHWAL
UTTARAKHAND**

Dr. Narvadeshwar Shukla

Professor

Defence & Strategic Studies

S.D.M. Govt. P.G. College, Doiwala, Dehradun

SRI DEV SUMAN UTTARAKHAND UNIVERSITY
Badshahithaul, Tehri Garhwal (Uttarakhand)

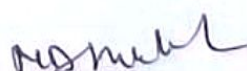
List of Members of Board of Studies

B.A. I, II, III, IV, V, VI Semester (Defence & Strategic Studies)

Sl. No.	Name of the Members	Designation	Nominated as
1	Prof. Dinesh Chandra Goswami	Dean of Arts	Chairman
2	Prof. Muktinath Yadav	Professor	Member
3	Prof. Hemant Kumar Shukla	Professor	Member
4	Prof. Sangeeta Mishra	Professor	Member
5	Prof. Preeti Kumari	Professor	Member
6	Prof. Anand Prakash Singh	Professor	Member
7	Prof. Pushpanjali Arya	Asso. Professor	Member
8	Prof. D K P. Choudhury	Professor	Member
9	Dr. Poonam Pathak	Professor	Member
10	Dr. Atal Bihari Tripathy	Asst. Professor	Member
11	Dr. Pushkar Gaur	Asst. Professor	Member
12	Dr. Shikha Mamgai	Asst. Professor	Member
13	Prof. M. S. Mawri	Professor	Member
14	Dr. Preeti Gupta	Asst. Professor	Member
15	Dr. Narmadeshwar Shukla	Professor	Member
16	Dr. Poonam Pandey	Asst. Professor	Member
17	Dr. Vandana Sharma	Principal	Member
1	Prof. Janki Panwar	Principal	GPGC Kotdwar
2	Prof. Lovely Rajvanshi LOVNEY	Principal	GPGC, Jaiharikhal
3	Prof. K. L. Talwar	Principal	GDC, Chakrata
4	Dr. Himanshu Das	Director	NIVH, Rajpur Road
5	Prof. M. S. M. Negi	Professor	SRT Campus, HNBSU, Srinagar
6	Prof. M. C. Sati	Professor	HNBSU, Srinagar
7	Prof. S. L. Bhatt	Ex. Principal	GPGC, Kotdwar
8	Dr. P.C. Painuli	Asst. Professor	GPGC, New Tehri
9	Dr. Asha Devi	Asso. Prof.	GPGC, Kotdwar

**Proposed Sample Course for
Defence & Strategic Studies (DSS)**

SEMESTER- WISE TITLES OF THE PAPERS IN UG DEFENCE & STRATEGIC STUDIES				
YEAR	COURSE CODE	PAPER TITLE	REMARK	CREDIT
	Semester-I			
B.A./B.Sc-I	DSS 101	Basics of Defence & Strategic Studies		4 (Th)
	DSS 102	Basics of Operational Exercise-I		2 (Pr)
	Semester-II			
	DSS 103	Military History of India		4 (Th)
	DSS 104	Basics of Operational Exercise-II		2 (Pr)
	Semester-III			
B.A./B.Sc- II	DSS 201	National Security- Conceptual Aspects		4 (Th)
	DSS 202	Basics of Operational Exercise-III		2 (Pr)
	Semester-IV			
	DSS 203	Strategic Thought		4 (Th)
	DSS 204	Basics of TEWTs/Sand Model Exercises, Sketching, Discussion		2(Pr)
	Semester-V			
B.A./B.Sc- III	DSS 301	Indian Defence Mechanism		4 (Th)
	DSS 302	National Security of India		4 (Th)
	DSS 303	Military use of Electromagnetic Spectrum, Press Clipping, Tour		2 (Pr)
	DSS 304	Research Project- I		Qualifying
	Semester-VI			
	DSS 305	Science and Technology in Relation to Warfare		4 (Th)
	DSS 306	Military Psychology		4 (Th)
	DSS 307	Spotting Strategic Locations, Military Models, Presentation		2 (Pr)
	DSS 308	Research Project- II		Qualifying

Program Outcomes (POs)

1. Upon completion of the programme of Bachelor's in Defence and Strategic Studies, a student should have acquired basic competency in strategic affairs covering a wide spectrum of interstate security to global security issues including non kinetic dimensions.
2. Shall develop capability in understanding the implications of use and threat of use of force in International relations.
3. Shall seek, identify and apply the acquired knowledge in defence and strategic studies on contemporary issues of strategic relevance.
4. Ability 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 arm the candidates to independently choose further course of action in his/her life whether pursuing higher education by taking specialized course in honours or identifying a career for himself or herself.
6. The course curriculum in Defence and Strategic Studies is designed to encourage the acquisition of disciplinary/subject understanding, gain academic knowledge and professional skills required for any career pursuit be it choosing for higher studies or a job. 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. Teaching, therefore, becomes more interesting and absorbing aiming at demonstrative learning.

B.A. /B.Sc.First Year

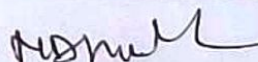
Certificate in Fundamentals of Defence and Strategic Studies

Program Specific Outcomes (PSOs)-

After undergoing this course a student will be in a position to –

1. Clearly understand the definition, meaning and distinguish basic concepts of war; Various types of war and its various typologies, techniques and characteristics; and Grasp the concept and theories of nuclear war in detail. (Semester-I)
2. Become familiar in evolution of art of warfare in India; Learn and understand the Strategy, tactics, application of principles of war and causes of defeat and victory of various Indian, Mughal, Maratha and Sikh Generals. Besides, in a position to appreciate and understand evolutionary changes in the art and science of war in India through ages (Semester-II)

Semester I	Name of Paper	Credits	No of Lectures
	Basics of Defence & Strategic Studies	4	60
	Basics of Operational Exercises-I (Practical)	2	30
	Total	6	90
Semester II	Name of Paper	Credits	Lectures



	Military History of India (Theory)	4	60
	Basics of Operational Exercises-II (Practical)	2	30
	Total	6	90

B.A. /B.Sc. Second Year

Diploma in Defence and Strategic Studies

Program Specific Outcomes (PSOs) -

After undergoing this course a student will be in a position to –

1. Develop core competencies in national security affairs by building his/her capacity on essentials of National Security through theory and practice. Understand the national security challenges both internal and external a country face; and Understand the Contemporary security environment in the world. (Semester-III)
2. Acquaint them with the concepts of strategic thinking as propounded by prominent classical and modern thinkers. Students will also develop analytical thinking regarding relevance of such thought to contemporary period. (Semester iv)

Semester III	Name of Paper	Credits	No of Lectures
	National Security- Conceptual Aspects (Theory)	4	60
	Basics of Operational Exercises- III (Practical)	2	30
	Total	6	90
Semester IV	Name of Paper	Credits	No of Lectures
	Strategic Thought (Theory)	4	60
	Basics of TEWTs/Sand Model Exercises, Sketching, Discussion (Practical)	2	30
	Total	6	90



NDM/L

B.A. /B.Sc., Third Year
Degree in Bachelor of Arts or Science

Program Specific Outcomes (PSOs)

After undergoing this course a student will be in a position to –

1. Equip the students with specific knowledge of India's threat perceptions; An assessment at both internal and external level besides fair idea of problems the country faces as a nation state; and The Structure, objectives, role and problems of Civil Defence Organization in India. (Semester V)
2. Acquire knowledge on how significant the role of science and technology is to Society and to National Security. The paper also provides realization in contemplating on the military-industrial complex (MIC) of a nation; besides Understanding the concepts and applications of Electronics Warfare, Space and Ballistic Missile Defence (BMD) in Warfare. (Semester VI)

Semester V	Name of Paper	Credits	No of Lectures
	Indian Defence Mechanism (Theory)	4	60
	National Security of India (Theory)	4	60
	Military use of Electromagnetic Spectrum, Press Clipping, Tour (Practical)	2	30
	Research Project-I	3	45
	Total	13	195
Semester VI	Name of Paper	Credits	No of Lectures
	Science And Technology in Relation to Warfare (Theory)	4	60
	Military Psychology (Theory)	4	60
	Spotting Strategic Locations, Military Models, Presentations (Practical)	2	30
	Research Project-II	3	45
	Total	13	195

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B.A. /B. Sc. I, Semester I, Defence and Strategic Studies, Paper 1
Basic of Defence & Strategic Studies (Theory)

Programme/Class: Certificate	Year: First	Semester: I
Subject: Defence and Strategic Studies		
Course Code: DSS 101	Course Title: Basic of Defence & Strategic Studies (Theory)	
Course outcomes: At the completion of the course the student will be able to clearly understand the basic of Defence and Strategic Studies e.g. its definition, meaning, scope, relevance, subject content, its features and relationship with other disciplines of study: concepts of war, conflict, campaign strategic, tactics, logistics and grasp the domestics and strategic issues of national security in detail. The student at the completion of the course will be able to: Clearly understand the definition, meaning and distinguish basic concepts of war; Various types of war and its various typologies, techniques and characteristics; and Grasp the concept and theories of nuclear war in detail.		
Credits: 4	Core Compulsory / Elective	
Max. Marks: 25+75	Min. Passing Marks:33	
Total No. of Lectures-60		
Units	Topic	No of Lectures
I	1. Meaning, definition and scope of Defence & Strategic Studies 2. Utility, Relevance and significance of and Defence & Strategic Studies	08
II	3. Correlation of Defence and Strategic Studies with other disciplines of the study. 4. Meaning and definition of security and defence studies in India	08
III	5. Basic Concepts of Defence and Strategic studies (Defence Security, Battle, Conflict, Campaign, war strategy, tactics and logistics etc.)	08
IV	6. Nature and character of war, features of modern war. 7. War as an instrument of policy : Past, Present and Future	07
V	8. Modern Warfare	07


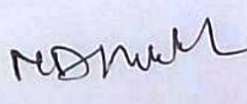
	a. Concept and definition	
	b. Features of Modern Warfare	
VI	9. Economic Warfare	06
	a. Concept and definition	
	b. Basic dimensions	
	c. Effects of war on National Economy	
VII	10. Nuclear warfare	08
	a. Beginning of nuclear era and effects of nuclear explosion.	
	b. Nuclear strategies of 'Deterrence' and 'Massive Retaliation'.	
VIII	11. Chemical and Biological Warfare	08
	a. Definition and concept	
	b. Agents, their effect and military use.	

Suggested Readings:

1. पाण्डेय, बाबूराम एवं पाण्डेय, रामसूरत (2005), युद्ध और शांति के मूल तत्व, प्रकाश बुक डिपो, वरेली।
2. Michael Howard (Ed) The Theory and Practice of war, 1965
3. J.F.C. Fuller, The Foundation of Science of War, London, 1925
4. A.L. Venkateswararan, Defence Organization in India, New Delhi, Govt of India, 1967
5. D.K. Palit, Essentials of Military Knowledge, New Delhi, 1989
6. Koushik Roy, From Hydespes to Kargil :A History of Warfare in India 326 BC to AD 1999, New Delhi Manohar 2004
7. Field Marshal Montgomery, Discount, A history of Warfare, London, 1960
8. Barringer R., (1972) War: Patterns of Conflict, MIT Press, Cambridge, Mass.
9. Blainey G., (1973) The Causes Of War, Macmillan, London,.
10. Montgomery Viscount, (1983) A History of Warfare, William Morrow & Co, New York City

B.A. /B.Sc.I ,Semester I , Defence and Strategic Studies

Paper 2 (Practical)

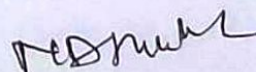
 

Programme/Class: Certificate	Year: First	Semester: First
Subject: Defence and Strategic Studies (Practical)		
Course Code: DSS 102	Course Title: Basics of Operational Exercises-I	
Credits: 2		Core Compulsory / Elective
Max. Marks: 25+75		Min. Passing Marks:40
Total No. of Lectures-Tutorials-Practical-30 (60 hours)		
Unit	Topic	No. of Lectures
I	1. Maps: Definition and Features; Classification and its utility for Military; Enlargement and reduction of Maps. 2. Conventional Signs: Military and Geographical	06
II	3 .GRID System: Four Figure and Six figure Map References.	08
III	4. North: Types of North and finding out True North; The Pole Star Method; The equal altitude method; Watch method & Compass method.	06
IV	5. Scale: Definition, Methods of representing Scale: Inter conversion of scale into Representative Fraction, construction of simple scale line and the comparative scale lines.	10
This course can be opted as an elective by the students of following subjects: Open for all		
Suggested Continuous Evaluation Methods:		
Research Orientation		
Test with multiple choice questions/short and long answer questions,or Record ,Viva Voce		

B.A. /B.Sc I ,Semester II, Defence and Strategic Studies,

Paper 01 Military History of India (Theory)

Programme/Class: Certificate	Year: First	Semester: II
Subject: Defence and Strategic Studies		
Course Code: DSS 201	Course Title: Military History of India (Theory)	

Course outcomes:

After undergoing this course a student will be in a position to –

Become familiar in evolution of art of warfare in India;

Learn and understand the Strategy, tactics, application of principles of war and causes of defeat and victory of various Indian, Mughal, Maratha and Sikh Generals.

Besides, in a position to appreciate and understand evolutionary changes in the art and science of war in India through ages.

Credits: 4

Core Compulsory / Elective

Max. Marks: 25+75

Min. Passing Marks:33


Total No. of Lectures-60

Units	Topic	No of Lectures
I	1.Military System in Vedic and Epic Age. 2. Macedonian and Indian art of war with particular reference to the battle of Hydaspes (326 B.C.)	08
II	3. Kautilya's Philosophy of War : State Craft, Military Organisation, Weapon, Intelligence System and the Art of War	07
III	4. Turk and Rajput Military System with particular reference to the Battle of Tarrian(1192 AD) 5. Military Organisation and Pattern of Warfare during the Sultanate period with particular reference to Ala-uddin Khilji	07
IV	6. The Mughal Military System with particular reference to the First Battle of Panipat (1526 AD) 8. The Rajput Military Organisation, Weapon system and art of fighting with particular reference to the battle of Kanwah (1527 AD)	08
	PART B	
V	9. The Maratha Military System with special reference to the third battle of Panipat (1761 AD)	8
VI	10. Sikh Military System with special reference to the battle of Sobraon (10 Feb. 1846AD)	6
VII	11. British Conquest of India. A. The first war of Independence, the Great Mutiny of 1857 A.D. B. The Military reforms under the Crown.	8

VIII	12. India's Wars post independence (In Brief)	8
	a. The First India-Pakistan War (1947- 1948)	
	b. India-China War of 1962	
	c. The India Pakistan War of 1965	
	d. Liberation of Bangladesh of 1971	-
	e. The Kargil Conflict of 1999	

Suggested Readings:

1. Alfred, David., (1953) Indian Art of War, Atma Ram , Delhi.
2. Bajwa F.S., (1964) Military System of the Sikhs, Moti Lal, Banarsi Dass, Delhi.
3. Bruce, George., (1969) Six Battles of India, Rupa & Company, Calcutta.
4. Das, S.T., (1969) Indian Military - Its History and Development, Sagar, New Delhi.
5. Dikshitar, Ramachandra V. R. (1999) War in Ancient India. Cosmo, New Delhi.
6. Fuller, J.F.C., (1958) Generalship of Alexander The Great, Natraj Publishes, Dehradun.
7. Gustav Oppert, (1967) Weapons, Army Organisation and Political Maxims of Ancient Hindus, R.F Patel Rajratan Press, Ahmedabad.
8. Kangle, R.P., (1963) Kautilya's Arth Shastra, University of Bombay, Mumbai.
9. Majumdar, B.K., (1960) Military System in Ancient India, Firma K.L. Mukhopadhyay, Calcutta.
10. Majumdar, B.N., (1963) Study of Indian Military History. Army Educational Store, Delhi.
11. Roy, Kaushik, (2004) From Hydaspes to Kargil: A History of Warfare in India from 326 BC to AD 1999. Manohar, New Delhi.
12. Roy, Kaushik (2011), War, Culture and Society in Early Modern South Asia, 1740– 1849, Routledge.
13. Roy, Kaushik Ed., (2011), The Indian Army in the Two World Wars Brill.
14. Singh, Sarva Daman. (1997) Ancient Indian Warfare: With Special Reference to the Vedic Period. Motilal Banarsidass, New Delhi.
15. डेविड ,मेजर अलफ्रेड, (1992), भारतीय युद्ध कला, अनुवाद एस.डी. चोपड़ा, मध्य प्रदेश हिंदी ग्रंथ अकादमी, भोपाल
16. शर्मा, डॉ. योगेंद्र कुमार एवं निगम, रामलाल (1998.99), सैन्य विज्ञान भाग 1 एवं 2, अलका प्रकाशन, कानपुर *
17. सिंह, टण्डन, अग्रवाल, (2012), भारतीय युद्ध कला, शारदा पुस्तक भवन, इलाहाबाद
18. सिंह, टण्डन, अग्रवाल, (2009), स्वतंत्र भारत की युद्ध कला, (कश्मीर से कारगिल तक) शारदा पुस्तक भवन, इलाहाबाद

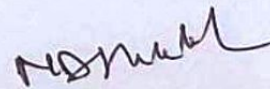
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This course can be opted as an elective by the students of following subjects: Open for all The eligibility for this paper is 10+2 with any subject
Suggested Continuous Evaluation Methods: Seminar/ Research Orientation/Presentation on any topic of the above syllabus Test with multiple choice questions/ short and long answer questions Attendance
Course prerequisites: To study this course, a student must have had the subject ALL .. in class 12 th . The eligibility for this paper is 10+2 with any subject
Suggested Equivalent online courses: <ul style="list-style-type: none"> • Coursera • Swayam

B.A. /B.Sc. I , Semester II, Defence and Strategic Studies

Paper 02 (Practical)

Programme/Class: Certificate	Year: First	Semester: II
Subject: Defence and Strategic Studies (Practical)		
Course Code: DSS 202	Course Title: Basics of Operational Exercises-II	
Credits: 2	Core Compulsory / Elective	
Max. Marks: 25+75	Min. Passing Marks:40	
Total No. of Lectures-Tutorials-Practical-30 (60 hours)		
Unit	Topic	No. of Lecture
I	1.Bearing: Definition, Inter conversion of Bearing in detail.	10
II	2. Liquid Prismatic Compass (LPC): Features and functions of its various parts: Attempt following exercise on the LPC: To determine magnetic north; Setting of the Map.	10
III	3.To find out the bearing of a point from other point situated on the ground.	10
This course can be opted as an elective by the students of following subjects: Open for all		

Suggested Continuous Evaluation Methods:

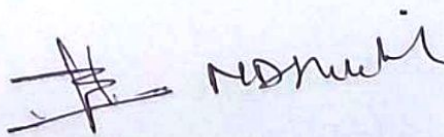
Test with multiple choice questions/ Research Orientation/ short and long answer questions, or Record, Viva Voce

Course prerequisites: To study this course, a student must have had the subject in class/12th/ certificate/diploma.

B.A. /B.Sc II, Semester III, Defence and Strategic Studies, Paper 01**National Security-Conceptual Aspect (Theory)**

Programme/Class: Certificate	Year: Second	Semester: III
Subject: Defence and Strategic Studies		
Course Code: DSS 301	Course Title: National Security-Conceptual Aspects(Theory)	
Course outcomes: This course helps students develop core competencies in national security affairs by building his/her capacity on essentials of National Security through theory and practice.		
Credits: 4	Core Compulsory / Elective	

Max. Marks: 25+75		Min. Passing Marks:33
Total No. of Lectures-60		
Units	Topic	No of Lectures
I	1. Introduction (a) Concepts of Nation, State and Nation – State, Security and Defence (b) Origin, Concept, and objectives of National Security.	08
II	2. National Security Analysis Concept, Components and formulation of Security and Defence Policies and their linkages	07

 N. D. M. K. I.

III	3. National and International Security related Concepts a. National Power and its elements , National Interest, Foreign Policy and Diplomacy. b. Balance of Power, Collective Security and Collective Defence, Non-. Alignment, Deterrence, Disarmament and arms control	07
IV	4.Challenges and Threats to National Security a. Military Threats/Challenges :Internal and External b. Non-Military Threats/Challenges: Internal and External	08
	PART B	
V	5. Concept of Defence: Threat Perception, Defence Planning and Reforms, Military ,Nuclear and Missile Capabilities of India, China and Pakistan	8
VI	6. Proliferation of weapons of Mass Destruction(WMD)and NPT, CTBT, MTCR, NMD and FMCT	6
VII	7. Armaments: Arms Race, Arms Aid, Arms Trade and Small Arms Proliferation	2
VIII	9. Measures to address the challenges of National Security : a. One-sided initiative , and b. Collaborative approach 10. Relevance of Science & Technology in National Security	8

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MSM

Suggested Readings:

1. Booth, K., (2007) Theory of World Security: Cambridge University Press, Cambridge,
2. Buzan, Barry., (1987) People Fear and State: New Delhi, Trans Asia Publications.
3. Das, S.T., (1987) National Security in Perspective: Delhi, Gian Publishing House.
4. Frankel, Joseph., (1970) National Interest: London, Macmillan.
5. Military Balance., Latest Edition (IISS)
6. Morgenthau, Hans J., (1969) Politics Among Nations, Calcutta, Scientific Book Agency.
7. Palmer, Norman D. and Perkins, Howard C., (1968) International Relations: Calcutta, Scientific Book Agency
8. Chowdhury, Subrata Roy., (1966) Military Alliances and Neutrality in War and Peace: New Delhi, Orient Longman.
9. Singh, Nagendra., (1974) The Defence Mechanism and the Modern State: New Delhi, Asia Publishing House.
10. SIPRI Year Book Latest Edition.

This course can be opted as an elective by the students of following subjects: Open for all The eligibility for this paper is 10+2 with any subject

Suggested Continuous Evaluation Methods:

Seminar/ Research Orientation/ Presentation on any topic of the above syllabus
Test with multiple choice questions/ short and long answer questions Attendance

Course prerequisites: To study this course, a student must have had the subject ALL .. in class 12th. The eligibility for this paper is 10+2 with any subject

Suggested Equivalent online courses:

- Coursera
- Swayam

B.A. /B.Sc. II., Semester II , Defence and Strategic Studies,

Paper 02 (Practical)


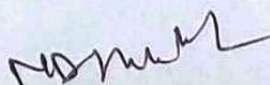


Programme/Class: Certificate	Year: Second	Semester: III
Subject: Defence and Strategic Studies (Practical)		
Course Code: DSS 302	Course Title: Basics of Operational Exercises-III	
Credits: 2	Core Compulsory / Elective	
Max. Marks: 25+75	Min. Passing Marks:40	
Total No. of Lectures-Tutorials-Practical-30 (60 hours)		
Unit	Topic	No. of Lectures
I	1. Relief Features and their representation on the map.	06
II	2. Types of slopes and their representation on the map	08
III	3. Gradient – Determination of gradients.	06
IV	4. Inter visibility – Determination of inter visibility in case of rise or fall of slope.	10
This course can be opted as an elective by the students of following subjects: Open for all		
Suggested Continuous Evaluation Methods:		
Test with multiple choice questions/ Research Orientation/short and long answer questions,or Record ,Viva Voce		
Course prerequisites: To study this course, a student must have had the subject in class/12 th / certificate/diploma.		

B.A. /B.Sc II ,Semester IV, Defence and Strategic Studies,

Paper 01 Strategic Thought (Theory)

Programme/Class: Certificate	Year: Second	Semester: IV
Subject: Defence and Strategic Studies		
Course Code : DSS 401	Course Title: Strategic Thought (Theory)	

Course outcomes:

The course will provide students an acquaintance with the concepts of strategic thinking as propounded by prominent classical and modern thinkers. Students will also develop analytical thinking regarding relevance of such thought to contemporary period.

Credits: 4	Core Compulsory / Elective
Max. Marks: 25+75	Min. Passing Marks:33
Total No. of Lectures-60	

Units	Topic	No of Lectures
I	1. Kautilaya's Philosophy of war.	10
II	2. Sun Tzu- The Art of war.	05
III	3. Clausewitz's theories on war and politics.	06
IV	4. Mao-Tse-Tung's views on Guerrilla warfare.	08
	PART B	
V	5. J.F.C. Fuller and Liddell Hart: Their views on Mechanized warfare	8
VI	6. Mahan's Views on Sea Power and Naval Warfare.	5
VII	7. Douhet and Mitchell: Their views on the Role of Air Power in Modern Warfare.	8

VIII	8. Y.Harkabi, John Foster Dulles and Andre Beaufre - Theories of Nuclear War and Deterrence. 9.Thoughts of Mahatama Gandhi and Nehru on Peace, Security and Development.	10
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Reshmi

Suggested Readings:

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, Routledge Kegan Paul. 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. Nasution, Abdul Haris., (1965) Fundamentals of Guerrilla Warfare, Fredrick A Prager.
12. Reid, Brain Holden., (1987) J.F.C.Fuller: Military Thinker, Palgrave McMillan.
13. Greene, T.N., (1962) The Guerrilla and How to Fight Him, Fredrick A Prager.

This course can be opted as an elective by the students of following subjects: Open for all The eligibility for this paper is 10+2 with any subject

Suggested Continuous Evaluation Methods:

Seminar/ Research Orientation/Presentation on any topic of the above syllabus Test with multiple choice questions/ short and long answer questions Attendance


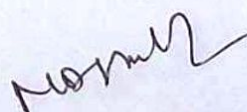
Course prerequisites: To study this course, a student must have had the subject ALL .. in class 12th. The eligibility for this paper is 10+2 with any subject

Suggested Equivalent online courses:

- Coursera
- Swayam

B.A. /B.Sc. II, Semester IV, Defence and Strategic Studies,
Paper 02 (Practical)

Programme/Class: Certificate		Year: Second	Semester: IV
Subject: Defence and Strategic Studies (Practical)			
Course Code: DSS 402		Course Title: Basics of TEWTs/Sand Model Exercises, Sketching, Discussion	
Credits: 2		Core Compulsory / Elective	
Max. Marks: 25+75		Min. Passing Marks:40	
Total No. of Lectures-Tutorials-Practical-30 (60 hours)			
Unit	Topic	No. of Lectures	
I	1.Elementary knowledge of- a. Rank structure of the three services b. Study and description of ground C .Judging distance d. Section formation e. Patrolling Or 1. Sand Model Exercises a. Battle of Panipat, 1526 A.D. b. Battle of Assaye, 1803 A.D.	08	
II	2. a. Massage Writing b. Fire Control Order c. Platoon Formation or 2. Sketching of the Charts of Indian Battles a. Battle of Thagla Ridge, 1962. b. Kargil Conflict, 1999	08	
III	3. Sketching of the Charts of Western Battles a. Battle of Trafalgar, 1805. b. Battle of Somme, 1919. or 3. Military Appreciation of the situation	05	
IV	4. Lecture and group discussion on current defence topics.	12	
This course can be opted as an elective by the students of following subjects: Open for all			

Suggested Continuous Evaluation Methods:

Test with multiple choice questions/ Research Orientation/ short and long answer questions, Record
Viva
Voce

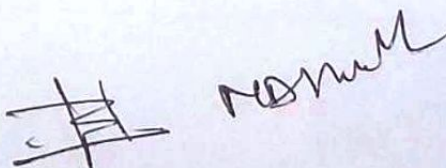
Course prerequisites: To study this course, a student must have had the subject in class/12th/
certificate/diploma.

B.A. /B.Sc III, Semester V, Defence and Strategic Studies,

Paper 01 Indian Defence Mechanism (Theory)

Programme/Class: Certificate	Year: Third	Semester: V
Subject: Defence and Strategic Studies		
Course Code: DSS 501	Course Title: Indian Defence Mechanism (Theory)	
Course outcomes: Students will learn about the defence mechanism of India and evaluate its strengths and weaknesses.		
Credits: 4	Core Compulsory / Elective	
Max. Marks: 25+75	Min. Passing Marks:33	
Total No. of Lectures-60		
Units	Topic	No of Lectures
I	1.Introduction and Differences between Army , Military and Defence Forces 2.Second line Defence [introduction to Paramilitary Forces inbrief)	08
II	2. The Indian Defence Forces a. Rank Structure of the Three Services. b. Recruitment methods for Defence Services. c. .Important training Institution of the Three Services.	07

III	<p>3.Higher Defence Organizations of India</p> <p>a. Power of the President of India in relation of Defence.</p> <p>b. Role and function of Ministry of Defence.</p> <p>c .Composition and function of Defence Committees/NSC.</p> <p>d .Chief of Staff and joint service Organization.</p>	08
IV	<p>4.Army Organization</p> <p>a. Organization of army Headquarters (Role of COAS and PSOs).</p> <p>b. Static and Field formation of Indian Army.</p> <p>c. Arms and Services.</p>	07
	PART B	
V	<p>5. Air Force Organization</p> <p>a. Organization of Air Force Headquarters (Role of CAS and PSOs).</p> <p>b. Static and Field formation of Indian Air Force.</p>	7
VI	<p>6.Navy Organization</p> <p>a. Organization of Naval Headquarters (Role of CNS & PSOs).</p> <p>Static and Field formation of Indian Navy.</p>	7
VII	<p>7.Cooperation Between Armed Forces and Civil Authorities</p> <p>a .Maintenance of Law and Order</p> <p>b. Flood Relief Operations c</p> <p>.Rescue and Relief Operation</p>	8
VIII	<p>8.Indian's Defence Cooperation with Foreign Countries</p> <p>a. Defence Diplomacy.</p> <p>b. Cooperation on Capacity Building and Training</p> <p>c. Defence Partnerships with Major Powers</p>	8



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. शर्मा, डॉ. योगेन्द्र कुमार एवं निगम, रामलाल, (1998-99), सैन्य विज्ञान भाग-2, अलका प्रकाशन, कानपुर
7. वार्षिक रिपोर्ट : रक्षा एवं विदेश मंत्रालय, भारत सरकार,
8. कारडोजो, मेजर जनरल इयान (2016), भारतीय सेना का गौरवशाली इतिहास, अनुवाद विनोद कुमार मिश्र, प्रभात प्रकाशन दिल्ली

This course can be opted as an elective by the students of following subjects: Open for all The eligibility for this paper is 10+2 with any subject

Suggested Continuous Evaluation Methods:

Seminar/ Research Orientation/ Presentation on any topic of the above syllabus
Test with multiple choice questions/ short and long answer questions Attendance

Course prerequisites: To study this course, a student must have had the subject ALL .. in class 12th. The eligibility for this paper is 10+2 with any subject

Suggested Equivalent online courses:

- Coursera
- Swayam

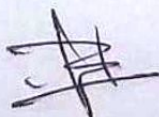
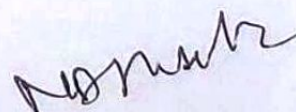
B.A. /B.Sc III , Semester V, Defence and Strategic Studies,

Paper 02 National Security of India (Theory)

Programme/Class: Certificate	Year: Third	Semester: V
Subject: Defence and Strategic Studies		
Course Code: DSS 502	Course Title: National Security of India (Theory)	
Course outcomes: Students will learn about the defence mechanism of India and evaluate its strengths and weaknesses.		-

Credits: 4		Core Compulsory / Elective
Max. Marks: 25+75		Min. Passing Marks:33
Total No. of Lectures-60		
Units	Topic	No of Lectures
I	1.India's Geo-Strategic Location and significance. a. India's Borders- Nature and characteristics of land borders. b. Indian ocean territory and its strategic significance	08
II	2.Indian Concept of National Security a. Meaning and Definition b. Threat Perceptions c. Types of threats to India	07
III	3.India's Security Problems since independence. a. Geo-political effects of partition. b. Effects on Armed Forces	08
IV	4. Determinants of Indian Foreign Policy - Basic Determinants: Objectives of Indian foreign policy; global and regional perspective.	07
	PART B	
V	5. External Dimensions of India's security a. Security problems related to Pakistan including Indo-Pak wars. b. Security problems related to China including 1962 Sino-Indian war. c. Regional Security challenges. d. India's Maritime Security Challenges	07
VI	6. Internal dimension of India's security a. Terrorism in Jammu & Kashmir b. Insurgency in North eastern states c. Naxalism	07
VII	7. Defence Organization in India: - Structure, Objectives, Role, and Problems.	08

VIII	8.National Security Council: Structure and Role 9.National Security Management and Future Challenges	
<p>Suggested Readings:</p> <ol style="list-style-type: none"> 1.Bajpai, U.S., (1986)India and its Neighbourhood: New Delhi, Lancer International. 2.Baranwal, S.P., (1984) Measures of Civil Defence in India: New Delhi, Guide Publications. 3.Bobbing, Ross and Gordon, Sandy, (1992) India's Strategic Future: Delhi, Oxford University Press. 4.Chatterjee, R.K. (1978) India's Land Borders- Problems and Challenges: New Delhi, Sterling Publishers. 5.Chaudhury, Rahul Roy, (1995) Sea Power and India's Security, London, Brassey's. 6.Dass, S.T., (1987) National Security in Perspective: Delhi, Gian Publishers. 7.Kavic, Lorne J., (1967) India's Quest For Security: Defence Policies 1947-1965, Los Angeles, University of California Press. 8.Menon, V.P., (1961) The Story of the Integration of Indian States: New Delhi, Orient Longmans. 9.Nayar, V.K., (1992)Threats From Within: New Delhi, Lancer Publications. 10.Rao, Ramakrishna and Sharma, R.C., (1991) India's Borders, New Delhi, Scholars' Publishing Forum. 11.Rao, P.V.R., (1970)Defence Without Drift: Bombay, Popular Prakashan. 12.Singh, Jaswant (1999) Defending India: Bangalore, Macmillan India Ltd. 		
<p>This course can be opted as an elective by the students of following subjects: Open for all The eligibility for this paper is 10+2 with any subject</p>		

Suggested Continuous Evaluation Methods:

Seminar/ Research

Orientation/Presentation on any topic of the above syllabus Test

with multiple choice questions/ short and long answer questions

Attendance

Suggested Equivalent online courses:

- Coursera
- Swayam

B.A. /B.Sc. III ,Semester V, Defence and Strategic Studies ,

Paper 03 (Practical)

Programme/Class: Certificate		Year: Third	Semester: V
Subject: Defence and Strategic Studies (Practical)			
Course Code : DSS 503		Course Title: Military use of Electromagnetic Spectrum, Press Clipping, Tour	
Credits: 2		Core Compulsory / Elective	
Max. Marks: 25+75		Min. Passing Marks:40	
Total No. of Lectures-Tutorials-Practical-30 (60 hours)			
Unit	Topic	No. of Lectures	
I	1. Sketching of strategic map of SAARC member states 2. Sketching of strategic map of NAM member states	10	
II	Techniques of Group-Discussion covering theme of following subject - 1. National Security 2. Geo-strategy 3. Terrorism	08	
III	4. Press Clippings on allotted current topics with a brief assignment	06	
IV	5. Educational Tour and its report.	06	
This course can be opted as an elective by the students of following subjects: Open for all			

Suggested Continuous Evaluation Methods:

Test with multiple choice questions/ Research Orientation/short and long answer questions, or Short Presentation/Lecturer, Record, Viva Voce

Course prerequisites: To study this course, a student must have had the subject in class/12th/ certificate/diploma.


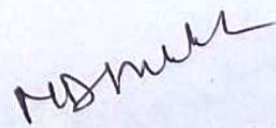
Marking Pattern- (1) Tour Report – 20
(2) Record- 10
(3) Viva - 15
(4) Question Paper-30
Total- 75

Internal Assessment
(1) MCQs- 15
(2) Presentation- 10
Total- 25

B.A. /B.Sc. III, Semester V, Defence and Strategic Studies,

Paper 4 Research Project

Programme/Class: Graduation		Year: 3	Semester: V
Subject:			
Course Code: DSS 504		Course Title: Research project- I	
Credits: 3		Core Compulsory / Elective	
Max. Marks: 25+75		Min. Passing Marks:40	
Total No. of Lectures- 45			
Unit	Topics		No. of Lectures
I	The Candidate has to select and give inputs in any one of the following. It may include 1. Indo-Nepal Border Security and Management 2. Study and assessment of potential cyber threats in your area.		10
II	Involving application of knowledge in solving/analyzing/exploring real life situation/difficult issues related to Defence and Strategic Studies		11
III	Develop a tool for conducting a survey of the selected area and collect data from the area/ seek permission to conduct short training in the area.		12
IV	A detailed Report to be prepared and submitted.		12

This course can be opted as an elective by the students of following subjects: Open for all

Suggested Continuous Evaluation Methods:

Prepare Survey or tool on any one of the above areas

Research Orientation-Collection of data related to the area.

A letter certifying the authenticity of work done from the mentor Report of the identified problems and survey conducted.

Course prerequisites: To study this course, a student must have had cleared the 4th semester

B.A. /B.Sc III ,Semester VI, Defence and Strategic Studies,

Paper 01 Science and Technology in Relation to Warfare (Theory)

Programme/Class: Certificate	Year: Third	Semester: VI
Subject: Defence and Strategic Studies		
Course Code: DSS 601	Course Title: Science and Technology in Relation to Warfare (Theory)	
Course outcomes: At the end of this course, students acquire knowledge on how significant the role of science and technology is to Society and to National Security. The paper also provides realization in contemplating on the military-industrial complex (MIC) of a nation.		
Credits: 4	Core Compulsory / Elective	
Max. Marks: 25+75	Min. Passing Marks:33	
Total No. of Lectures-60		
Units	Topic	No of Lectures
I	1. Science, Technology and National Security.	07
II	2. Impact of Science and Technology on Society and warfare.	07

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III	3. Transfer of Technology: a. International interdependence b. Role of Multinational Corporations.	08
IV	4. Armament technology (in brief): a. Armoured vehicles: Tanks and APC's b. Aircrafts, UAV's and Missile c. Submarine and Aircraft carrier	08
	PART B	
V	5. Electronics Warfare: Concept and applications	07
VI	6. Ballistic Missile Defence (BMD): Concept and applications.	07
VII	7. Revolution in Military Affairs (RMA)	08
VIII	8. Defence R&D and Defence Production in India	08

Suggested Readings:

1. Arcangelis, Mariode, (1990) Electronics Warfare, Ratna , New Delhi.
2. Rehman, A. (1972) Science Technology and Society: New Delhi, People's Publishers House.
3. Anand. A. (2003) Information Technology: The future warfare weapons: New Delhi, Ocean books,.
4. Baranson, Jack. (1978) Technology and the Multinationals: Lexington, Lexington Books.
5. Johan Erickson (Ed.) (1966) The Military Technical Revolution: Its Impact on strategic and Foreign Policy: New York, Frederick A Prager.
6. Macksey, Kenneth (1986) Technology in War: The impact of Science on weapon development and



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modern Battle: NY, Prentice Hall.

7. Mann T.S., (1982) Transfer and Technology: Bombay, Himalaya Publications House.

8. Jasbir R.K., (1987) Handbook of military science and Armament Technology: Dehradun, Natraj publications.

9. Singer, H.W., (1988) Technology Transfer by Multinational Vol. I & II: New Delhi, Ashis.

10. Tiwari V.M. and Rajnikant, (1996) The high tech war at twentieth Century: New Delhi, Vikas.

11. Rajan, Y.S. (2001) Empowering India (with Economic Business & Technological strengths for the twenty First Century) : New Delhi, Hari Anand.

12. Robert H. Latiff, (2017) Future war, Penguin Random House.

13. कलाम, डॉ. ए.पी.जे. अब्दुल एवं राजन, बाई. एस. (2015) भारत 2020 और उसके बाद, प्रभात प्रकाशन, नई दिल्ली

14. बाला, मनमोहन (2000) रक्षा विज्ञान आयुध तथा टेक्नोलॉजी, प्रभात प्रकाशन, नई दिल्ली

15. बाला, मनमोहन (2005) युद्ध और सूचना प्रौद्योगिकी, विकास दीप प्राइवेट लिमिटेड, नई दिल्ली

16. शंकर, काली, उपग्रह संचार प्रणाली के बढ़ते कदम, बी.पी.बी. पब्लिकेशन, नई दिल्ली

This course can be opted as an elective by the students of following subjects: Open for all The eligibility for this paper is 10+2 with any subject

Suggested Continuous Evaluation Methods:

Seminar/ Presentation on any topic of the above syllabus/ Research Orientation

Test with multiple choice questions/ short and long answer questions Attendance

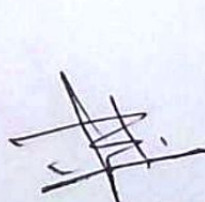
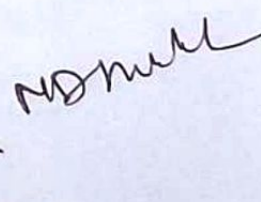
Suggested Equivalent online courses:

- Coursera
- Swayam

B.A. /B.Sc III ,Semester VI, Defence and Strategic Studies,

Paper 02 Military Psychology (Theory)

Programme/Class: Certificate	Year: Third	Semester: VI
Subject: Defence and Strategic Studies		
Course Code: DSS 602	Course Title: Military Psychology (Theory)	

Course outcomes:

After having done this course, student would be able to understand and appreciate psychological aspects of war making, military leadership and emotional issues that are faced by soldiers during war and peace.

Credits: 4

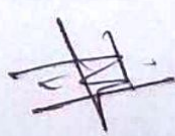
Max. Marks: 25+75

Total No. of Lectures-60

Core Compulsory / Elective

Min. Passing Marks:33

Units	Topic	No of Lectures
I	1. Military Psychology: Definition, Scope, Significance and its role during war and peace.	08
II	2. Psychological Weapons of War: Propaganda, rumour and indoctrination.	07
III	3. Fear and Panic in War: Causes, Consequences and Management.	08
IV	4. Military Leadership: Meaning, attributes, importance and rôle of training.	07
	PART B	
V	5. Discipline: Definition, purpose and tools of maintaining discipline	07
VI	6. Motivation and Morale factors and their utilization in the armed forces.	07
VII	7. Man Management:-Concept, importance and strategy vis-à-vis armed forces.	08
VIII	8. Emotional problems and adjustment during war and peace.	08



Suggested Readings:

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, Harraj 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.

This course can be opted as an elective by the students of following subjects: Open for all The eligibility for this paper is 10+2 with any subject

Suggested Continuous Evaluation Methods:

Seminar/ Presentation on any topic of the above syllabus /Research Orientation
Test with multiple choice questions/ short and long answer questions Attendance.

Course prerequisites: To study this course, a student must have had the subject in class/12th/ certificate/diploma

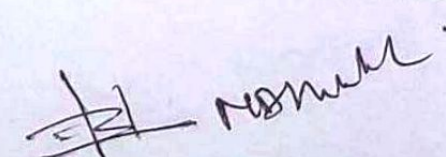
Suggested Equivalent online courses:

- Coursera
- Swayam

B.A. /B.Sc. III ,Semester VI, Defence and Strategic Studies,

Paper 03 (Practical)

Programme/Class: Certificate	Year: First	Semester: First
Subject: Defence and Strategic Studies (Practical)		



Course Code: DSS 603		Course Title: Spotting Strategic Locations, Military Models, Presentations	
Credits: 2		Core Compulsory / Elective	
Max. Marks: 25+75		Min. Passing Marks:40	
Total No. of Lectures-Tutorials-Practical-30 (60 hours)			
Unit	Topic	No. of Lectures	
I	1. Strategic Maps of India: India and her neighbours; Indian States and Union Territories with Capitals; Strategic Raw Materials and Defence Industries and Atomic Reactors.	08	
II	2. World: World Map in 1945, Countries of NATO, Non-Aligned Countries, Countries of South Asia, South East Asia, Far East and West Asia; Nuclear Nations, Indian Ocean Littoral States and World Sea Routes.	08	
III	3. Making of Models - a. Fighter Plane. b. Battle Ship. c. Rader d. Submarine e. Tank f. Missile g. Helicopter	08	
IV	4. Presentations on current defence topic	06	
This course can be opted as an elective by the students of following subjects: Open for all			
Suggested Continuous Evaluation Methods:			
Test with multiple choice questions/short and long answer questions ,or			
Short Presentation/Lecturer, Record ,Viva Voce/ Research Orientation			
Course prerequisites: To study this course, a student must have had the subject in class/12 th / certificate/diploma.			

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B.A. /B.Sc .III, Semester VI, Defense and Strategic Studies,
Paper 4 Research Project

Paper 4 Research Project

Programme/Class: Graduation	Year:3	Semester: VI
Subject: Defence and strategic Studies		
Course Code: DSS 604	Course Title : Research Project-II	
Course outcomes: Improves writing and presentation abilities of the candidate.		
Credits:3	Core Compulsory/Elective	
Max.Marks:25+75	Min.PassingMarks:40	
TotalNo.ofLectures-45		
Unit	Topics	No. ofLectures
I	The Candidate has to select and give in puts in anyone of the following. It may include..... 1..AnyNatural/Man Made disaster of your are and its management. 2.potentialthreatstotheconomysecurity and its management	10
II	An intervention plan would be developed based on problem identified in t he area/ a field visit is mandatory to develop an understanding of the whole process.	12
III	The planned intervention to be carried in the selected area Based on the intervention, the preintervention state and post intervention data has to be collected and compared /based on visit and interaction the detailed in depth data has to be collected.	11
VI	A detailed Report is to be submitted and evaluated.	12
This course can be opted as an elective by the students of following subjects: Open for all		

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Suggested Continuous Evaluation Methods:


Prepared intervention plan on any one of the above areas

Collection of data related to the area-Research Orientation

A letter certifying the authenticity of work done from the mentor

Report of the implemented plan and impact/experience of intervention.

Course prerequisites: To study this course, a student must have had cleared the 4th semester

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Minor Elective

Military History of Uttarakhand

Credit 4

No. of Lectures:60

Objective:

The Main objective of the paper is to acquaint the students about one of the most important Himalayan state of India i.e. Uttarakhand and its Military significance

Unit 1- Historic Importance of Uttarakhand:

- (a) History and popular Dynasties of Uttarakhand.
- (b) Geo-Strategic Importance: Geographical location and Extensions.
- (c) Invasion of Rohilaas.
- (d) Invasion of Gurkhas (with special reference to Battle of Khurbuda).
- (e) Introduction of British Rule.
- (f) Role of Freedom Fighters and Azad Hind Fauj in Independence.

Unit 2- Rise of Military Culture and Valour in Uttarakhand:

- (a) Lt Subedar Balbhadra Singh Negi: Order of merit.
- (b) Sepoy Jagtu Rawat: Indian Order of merit.
- (c) Nayak Darban Singh Negi: Victoria Cross
- (d) Sepoy Gabbar Singh Negi: Victoria Cross.
- (e) Hawaldar Chandra Singh Garhwali (Peshawar Kand).

Unit 3- History of Garhwal Rifles:

- (a) Establishment of Garhwal Rifles.
- (b) Role in War and Military operations.
- (c) Valour and Honours.

Unit 4- History of Kumaon Regiment:

- (a) Establishment of Kumaon Regiment.
- (b) Role in War and Military operations.
- (c) Valour and Honours.

Book Recommended :

1. Ajay Arora : Administrative History of Uttarakhand (Kumaon and Garhwal), During the rule of East India Company, 1815-1857.
2. Pandit Om Khanduri : Uttarakhand- Uttaranchal Itihaas adi, Madhya aur Vartman.
3. Ghanshyam Joshi : Uttarakhand ka Rajneetik, Samajik evam Sanskritik Itihaas, (in Hindi) IV Edition.
4. Brigadier Rajendra Singh: History of Indian Army.
5. JP Dalvi : Himalayan Blunder, The Curtain-Raiser to the Sino-Indian War, 1962.
6. DH Drake-Brockman : With the Royal Garhwal Rifles in the great war, from August 1914 to November 1917.
7. Jasbir Singh : Roar of the Tiger, Illustrated History of Operations in Kashmir by 4th Battalion Kumaon Regiment in 1965 War.

Signature

Minor Elective

No. of Lectures 60
Credit 4

Problem of War and Peace

OBJECTIVE: The main objective of the paper is to acquaint the students about the multidimensional problems of war and peace.

UNIT I. Introduction and Concept of War

- a) Definition of war and warfare
- b) Causes of war
- c) Types of war- Limited war, Total war, Guerilla war, Nuclear war, Chemical and Biological war.

UNIT II. Economic and Legal Welfare

- a) War as an economic problem and mobilization of resources for war.
- b) Post war economy and re-construction
- c) Defence and development
- d) Settlement of International disputes.

UNIT III. Concept of Peace and it's Structure

- a) Concept of peace, peace making, peace building.
- b) Role of U.N.O. to maintain peace
- c) Non-Alignment and it's relevance in modern era
- d) Concept of Non-Violence by M.K. Gandhi

UNIT IV. Psychological Warfare

- a) Definition, Aim of psychological warfare
- b) Brain Washing and Indoctrination
- c) Propaganda
- d) Rumour

BOOKS SUGGESTED

Politics among nation, H.J. Morgenthau

Post war economic problems, Saymour E Mirris

The economics of defence in the nuclear age, Charles J.Hitch

The study or war, Military Psychology and Problems of war & Peace, Singh L.J. Prakash
book Deot, Bareilly (Hindi)

Military Psychology and civil defence, capt. K.N.Srivastav, Chandra Prakash & Bros.
Hapur(Hindi)

Psychology for the armed services, Edwin G Boring, Natraj Publisher Dehradun

Military Psychology, N.P.Tiwari, Chandra Prakash & Bros. Hapur(Hindi)

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SKILL ENHANCEMENT COURSES

No. of Lectures 45

Credit 3

DISASTER MANAGEMENT

Objective:

The course will provide general insight to understanding disaster management and approaches including appraising on disaster, typology and management along with various approaches.

Unit-I Disaster Management

- A. Meaning and definition of disaster management.
- B. Concept and Significance.
- C. Approaches to Disaster Management-Elements, Rationale and Objectives.

Unit-II Typology of Disaster

- A. Natural Disaster.
- B. B. Manmade Disaster.

Unit-III Policy

- A. National.
- B. Options and significance.
- C. Disaster management support.

Unit-IV Elements of Disaster Management

- A. Rescue.
- B. Relief .
- C. Rehabilitation.
- D. Mitigation.

Unit-V Disaster and War

- A. Socio-economic effects,
- B. Health and environmental effects.
- C. Education for Disaster risk reduction.

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Suggested Readings:

1. Bourriau, Janine; Understanding Catastrophe; Cambridge University Press, Cambridge, 1992. Carter,
2. W. Nick; Disaster Management - A Disaster Manager's Handbook, A.D.B., Manila, Philippines, 1991.
3. Coppola, P. Damon, Introduction to International Disaster Management. Elsevier, Oxford, 2006.
4. Garlake, Teresa, Dealing with Disasters, Oxfam, Oxford, 2000.
5. Goel SL and Ram Kumar, Disaster Management, Deep & Deep Publications, New Delhi, 2001,
6. Goel, S.L. Encyclopedia of Disaster Management, Deep and Deep Publications, New Delhi, 2006.
7. Keller, A Edward, Environmental Geology, Prentice Hall, New Delhi, 2010.
8. Monappa, K.C., Disaster Preparedness Akshay Public Agencies, New Delhi, 2004.
- 9 FIRST YEAR (CERTIFICATE COURSE)

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SKILL ENHANCEMENT COURSES

JOURNALISM

CREDIT 03

NO. OF LECTURES 45

Objective:

This paper attempts at explaining the fundamental components of journalism.

Unit 1 Basics of Journalism

- A. Meaning , Definition and Concept of Journalism
- B. Qualities of Journalism
- C. Ethics of Journalism

Unit II Defining News

- A. The ingredients of News
- B. Sources of News
- C. Reporting

Unit III News Content

- A. Head lines
- B. Columns
- C. Features (Art, Entertainment, Sports etc.)

Unit IV News writing procedures

- A. The Paper and Heading
- B. Brief Paragraphing and Readability
- C. Unusual or incorrect material

Unit V: Newspaper

- A. Making up the newspaper and aids to clarity
- B. Editorials
- C. Editorial policy

Suggested Readings:

1. Menon, P.K., Practical Journalism, Avishkar publishers and Distributors, Jaipur, 2005
2. Dhara, R., Journalism, Industry Publishers, Calcutta, 1945
3. Basu, R.N., News reporting, Avishkar publishers and Distributors, Jaipur, 2005

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