



॥ मा विद्या या विमुक्तये ॥

# स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड

'ज्ञानतीर्थ', विष्णुपुरी, नांदेड - ४३१ ६०६ (महाराष्ट्र राज्य) भारत

SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED

'Dnyanteerth', Vishnupuri, Nanded - 431 606 (Maharashtra State) INDIA

Established on 17th September, 1994. Recognized By the UGC U/s 2(f) and 12(B), NAAC Re-accredited with 'B++' grade

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मानवविज्ञान विद्याशाखे अंतर्गत राष्ट्रीय  
शैक्षणिक धोरण २०२० नुसार पदवी प्रथम  
वर्षाचे अभ्यासक्रम (Syllabus) शैक्षणिक  
वर्ष २०२४-२५ पासून लागू करण्याबाबत.

## प रि प त्र क

या परिपत्रकान्वये सर्व संबंधितांना कळविण्यात येते की, या विद्यापीठा अंतर्गत येणा-या सर्व संलग्नित महाविद्यालयामध्ये शैक्षणिक वर्ष २०२४-२५ पासून पदवीस्तरावर राष्ट्रीय शैक्षणिक धोरण -२०२० लागू करण्याच्या दृष्टीकोनातून मानवविज्ञान विद्याशाखे अंतर्गत येणा-या अभ्यासमंडळांनी तयार केलेल्या पदवी प्रथम वर्षाचे अभ्यासक्रमांना मा. विद्यापरिषदेने दिनांक १५ मे २०२४ रोजी संपन्न झालेल्या बैठकीतील विषय क्रमांक १६/५९-२०२४ च्या ठरावाअन्वये मान्यता प्रदान केली आहे. त्यानुसार मानवविज्ञान विद्याशाखेतील खालील बी. ए. प्रथम वर्षाचे अभ्यासक्रम (Syllabus) लागू करण्यात येत आहेत.

- 1) B. A. I year English
- 2) B. A. I year - History
- 3) B. A. I year - Economics
- 4) B. A. I year - Sociology
- 5) B. A. I year - Public Administration
- 6) B. A. I year - Geography and Applied Geography
- 7) B. A. I year - Pali
- 8) B. A. I year - Sanskrit
- 9) B. A. I year - Philosophy
- 10) B. A. I year - Military Science
- 11) B. A. I year - NCC
- 12) B. A. I year - Political Science
- 13) B. A. I year - History (NMD College Hingoli)
- 14) B. Sc. I year - Political Science (NMD College Hingoli)
- 15) B. Sc. I year - Economics (NMD College Hingoli)

सदरील परिपत्रक व अभ्यासक्रम प्रस्तुत विद्यापीठाच्या [www.srtmun.ac.in](http://www.srtmun.ac.in) या संकेतस्थळावर उपलब्ध आहेत. तरी सदरील बाब ही सर्व संबंधितांच्या निदर्शनास आणून द्यावी, ही विनंती.

'ज्ञानतीर्थ' परिसर,

विष्णुपुरी, नांदेड - ४३१ ६०६.

जा.क्र.:शै-१/एनइपी/विषयविषयपदवी/२०२४-२५/१०६

दिनांक १०.०६.२०२४

प्रत : १) मा. आधिष्ठाता, मानवविज्ञान विद्याशाखा, प्रस्तुत विद्यापीठ.

२) मा. संचालक, परीक्षा व मुल्यमापन मंडळ, प्रस्तुत विद्यापीठ.

३) मा. प्राचार्य, सर्व संबंधित संलग्नित महाविद्यालये, प्रस्तुत विद्यापीठ.

४) मा. संचालक, सर्व संकुले परिसर व उपपरिसर, प्रस्तुत विद्यापीठ

५) मा. प्राचार्य, न्यू मॉडल डिग्री कॉलेज हिंगोली.

६) सिस्टीम एक्सपर्ट, शैक्षणिक विभाग, प्रस्तुत विद्यापीठ. याना देवून कळविण्यात येते की, सदर परिपत्रक संकेतस्थळावर

प्रसिध्द करण्यात यावे.

*Cham*

डॉ. सरिता लोसरवार

सहा.कुलसचिव

शैक्षणिक (१-अभ्यासमंडळ) विभाग

**SWAMI RAMANAND TEERTH  
MARATHWADA UNIVERSITY, NANDED - 431 606**



**(Structure and Syllabus of Four Years Multidisciplinary Degree  
Program with Multiple Entry and Exit Option)**

**UNDERGRADUATE PROGRAMME OF HUMANITIES**

Major in DSC **Military Science**

**Under the Faculty of Humanities**

**Effective from Academic year 2024 – 2025**  
(As per NEP-2020)

***Forward by the Dean,  
Faculty of Humanities.....***

National Education Policy 2020 has been announced on 29.07.2020. NEP 2020 proposes a new and forward-looking vision for India's Higher Education System through quality universities and colleges. Its key is in the curriculum and its practical implementation.

The curriculum must be exciting, relevant, and regularly updated to align with the latest knowledge requirements and meet specified learning outcomes. High-quality pedagogy is necessary to impart the curricular material to students successfully; pedagogical practices determine the learning experiences provided to students, thus directly influencing learning outcomes. The assessment methods must be scientific, designed to improve learning continuously test the knowledge application.

The university's proper framing and development of syllabi will result in the upbringing and nourishment of multidisciplinary and holistic citizens. Emphasis is on outcome-based learning. Every course has well-defined objectives and outcomes. The assessment guidelines also provide clarity and precision to the vision behind prescribing the particular course content.

NEP foresees more vibrant, socially engaged, cooperative communities and a happier, cohesive, cultured, productive, innovative, progressive, and prosperous nation. The introduction of Research Methodology and ethics will widen the vision and broaden the perspectives of the learners.

Introducing Case Studies and Field Projects has created a unique opportunity for the higher education institute to bridge the gap between the academia, industry and the community NEP believes effective learning requires a comprehensive approach that involves an appropriate curriculum, engaging pedagogy, continuous formative assessment, and adequate student support.

We are sure that the Graduate centres of this university and its affiliated colleges will implement the course effectively and successfully, resulting in a healthy and more creative academic ambience.

**Prof. Dr. Parag A. Khadke**  
Dean, Faculty of Humanities,

**Prof. Dr. Shailaja Wadikar**  
Asso. Dean, Faculty of Humanities,

**Swami Ramanand Teerth Marathwada University, Nanded.**

## **From Desk of Chairman, Board of Studies in Military Science & NCC**

### **Preamble:**

The Military science education includes defence and strategic studies in India in general are expanding in manifolds. Now, the challenge is to ensure its quality to the stakeholders along with the expansion. To meet this challenge, the issue of quality needs to be addressed, debated and taken forward in a systematic manner. Accreditation is the principal means of quality assurance in higher education and reflects the fact that in achieving recognition, the institution or program of study is committed and open to external review to meet certain minimum specified standards. The major emphasis of this accreditation process is to measure the outcomes of the program that is being accredited. Program outcomes are essentially a range of skills and knowledge that a student will have at the time of graduation from the program. Military science is the study of military processes, institutions, and behavior, along with the study of warfare, and the theory and application of organized coercive force. It is mainly focused on theory, method, and practice of producing military capability in a manner consistent with national defense policy. Military science serves to identify the strategic, political, economic, psychological, social, operational, technological, and tactical elements necessary to sustain relative advantage of military force; and to increase the likelihood and favorable outcomes of victory in peace or during a war. Military scientists include theorists, researchers, experimental scientists, applied scientists, designers, engineers, test technicians, and other military personnel.

Military personnel obtain weapons, equipment, and training to achieve specific strategic goals. Military science is also used to establish enemy capability as part of technical intelligence.

In military history, military science had been used during the period of Industrial Revolution as a general term to refer to all matters of military theory and technology application as a single academic discipline, including that of the deployment and employment of troops in peacetime or in battle. In military education, military science is often the name of the department in the education institution that administers officer candidate education. However, this education usually focuses on the officer leadership training and basic information about employment of military theories, concepts, methods and systems, and graduates are not military scientists on completion of studies, but rather junior military officers.

An Military science program must therefore have a mission statement which is in conformity with program objectives and program outcomes that are expected of the educational process. The outcomes of a program must be measurable and must be assessed regularly through proper feedback for improvement of the programmer. There must be a quality assurance process in place within the Institute to make use of the feedback for improvement of the programme. The curriculum must be constantly refined and updated to ensure that the defined objectives and outcomes are achieved. Students must be encouraged to comment on the objectives and outcomes and the role played by the individual courses in achieving them. In line with this Faculty of Humanities of Swami Ramanand Teerth Marathwada University Nanded has taken a lead in implementing the system through its affiliated institutes. incorporating philosophy of outcome-based education in the process of curriculum development.

I, as Chairman, Board of Studies in Military science and NCC Swami Ramanand Teerth Marathwada University Nanded, happy to state here that, Program Educational Objectives were finalized in a meeting. The Program Educational Objectives finalized for undergraduate programme below;

- to create a human resource of organized , trained and motivational youth to provide leadership in all walks of life and be always available for the service of the nation.
- to provide a suitable environment to motivate the youth to take up a career in the Armed forces.
- to develop character, comradeship, discipline, leadership, secular outlook spirit of adventure and ideals of selfless service amongst the youth of the country.
- To introduce the internal and external security problems in India among the students and study the efforts made to solve those problems.

- To introduce the students about the situation at the international level and to create awareness among the students regarding international issues.

In addition to Program Educational Objectives, for each course of undergraduate program, objectives and expected outcomes from learner's point of view are also included in the curriculum to support the philosophy of outcome based education. I believe strongly that small step taken in right direction will definitely help in providing quality education to the stake holders.

**Dr. Anand Ghan**  
Chairman,  
Board of Studies of the subject  
Military Science & NCC  
Swami Ramanand Teerth Marathwada  
University, Nanded

# Swami Ramanand Teerth Marathwada University, Nanded



## Members of the Board of Studies in Military Science & NCC

### Under the faculty of Humanities

Sr No	Name of the Member	Designation	Address with mail id	Contact No.
1	<i>Dr. Ghan Anand Laxmikant</i>	<i>Chairman</i>	<i>Punyashlok Ahilyadevi Holkar college, Ranisawargaon <a href="mailto:anandghan63@gmail.com">anandghan63@gmail.com</a></i>	<i>9421176832, 8484991295</i>
2	<i>Dr. Bhange Chandrakant Bansidhar</i>	<i>Member</i>	<i>Shri Shivaji College, Parbhani <a href="mailto:bhangecb@gmail.com">bhangecb@gmail.com</a></i>	<i>9421082775</i>
3	<i>Mr. Balbudhe Bharatbhushan W.</i>	<i>Member</i>	<i>Swami Vivekanand College, Mukramabad <a href="mailto:bharatbal20@gmail.com">bharatbal20@gmail.com</a></i>	<i>7588549223</i>
4	<i>Dr. Sonwane G. N.</i>	<i>Member</i>	<i>Panditguru Pardikar Mahavidhyalaya, Sirsala <a href="mailto:gnsowane7@gmail.com">gnsowane7@gmail.com</a></i>	<i>9921480876</i>
5	<i>Dr. Patil S. R.</i>	<i>Member</i>	<i>G E ACS College Nagaon <a href="mailto:sakharampatil196@gmail.com">sakharampatil196@gmail.com</a></i>	<i>9421530659</i>



# Swami Ramanand Teerth Marathwada University, Nanded

## *Faculty of Humanities (Example – 1 Three optional)*

Structure for Four Year Multidisciplinary Degree Program with Multiple Entry and Exit

Subject: **MILITARY SCIENCE DSC (Major) /DSM (Minor)**

Year & Level	Sem ester	Optional - 1	Optional - 2	Optional - 3	Generic Elective (GE) (Basket 3) <i>Select from Basket 3 of (Faculties other than Humanities)</i>	Vocational & Skill Enhancement Course	Ability Enhancement Course (AEC) (Basket 4) Value Education Courses (VEC) / Indian Knowledge System (IKS) (Basket 5) <i>(Common across faculty)</i>	Field Work / Project/ Internship/ OJT/ Apprenticeship / Case Study <b>Or</b> Co-curricular Courses (CC) (Basket 6 for CC) <i>(Common across faculty)</i>	Credits	Total Credits
1	2	3	4	5	6	7	8	9	10	11
1 (4.5)	I	HMILCT1101 (2Cr) (Military History of India) and HMILCP1102 (2Cr) (Practical) 4 Credits	HXXXCT1101 (2Cr) HXXXCT1102 (2Cr) 4 Credits	HXXXCT1101 (2Cr) HXXXCT1102 (2Cr) 4 Credits	HMILGE1101(2Cr) (War after Independence in India) 2 Credits	HMILSC1101 (2Cr) (Defence Journalism) 2 Credits	AECENG1101 (2Cr) AECXXX1101 (2Cr) (Hin, Mar, Kan, Pal, Urd, San, etc) IKSXXX1101 (2Cr) 6 Credits	-----	22	44
	II	HMILCT1151 (2Cr) (Military History of India) and HMILCP1152 (2Cr) (Practical) 4 Credits	HXXXCT1151 (2Cr) HXXXCT1152 (2Cr) 4 Credits	HXXXCT1151 (2Cr) HXXXCT1152 (2Cr) 4 Credits	HMILGE1151(2Cr) (Fundamental Elements of Military Science) 2 Credits	HMILSC1151 (2Cr) (Warfare and Technology) 2 Credits	AECENG1151 (2Cr) AECXXX1151 (2Cr) (Hin, Mar, Kan, Pal, Urd, San, etc) VECCOI1151 (2Cr) Constitution of India 6 Credits	-----	22	
	<b>Cum .Cr.</b>	<b>08</b>	<b>08</b>	<b>08</b>	<b>04</b>	<b>04</b>	<b>12</b>	<b>--</b>		
<p><b><i>Exit option: UG Certificate in Major <u>DSC</u> on completion of 44 credits and additional 4 credits from NSQF / Internship</i></b></p>										

## **Abbreviations:**

- 1. DSC:** Department/Discipline Specific Core (Major)
- 2. DSE:** Department/Discipline Specific Elective (Major)
- 3. DSM:** Discipline Specific Minor
- 4. GE/OE:** Generic/Open Elective
- 5. VSEC:** Vocational Skill and Skill Enhancement Course
- 6. VSC:** Vocational Skill Courses
- 7. SEC:** Skill Enhancement Courses
- 8. AEC:** Ability Enhancement courses
- 9. MIL:** Modern Indian languages
- 10. IKS:** Indian Knowledge System
- 11. VEC:** Value Education Courses
- 12. OJT:** On Job Training: (Internship/Apprenticeship)
- 13. FP:** Field Projects
- 14. CEP:** Community Engagement and Service
- 15. CC:** Co-Curricular Courses
- 16. RM:** Research Methodology
- 17. RP:** Research Project/Dissertation
- 18. CT:** Core Theory
- 19. CP:** Core Practical

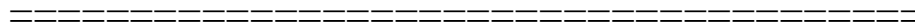




**Swami Ramanand Teerth Marathwada University, Nanded**  
*Faculty of Humanities*

**General Guidelines for course structure:**

- 1) The Major subject is the discipline or subject of the main focus and the degree will be awarded in that discipline/subject.
- 2) Credits and curriculum for optional subjects are same in the first year
- 3) In the first year Students should choose three different subjects as optional subject in same faculty).
- 4) From the Second year curriculum of Major and Minor subject is the different and student have to select major and minor from three optional subjects.
- 5) Generic /Open Elective is to be chosen compulsorily from faculty other than that of the Major. (Select from Basket)
- 6) Vocational and Skill Enhancement Courses (VSEC or VSC and SEC) are related to Major Course (DSC)
- 7) Ability Enhancement Courses (AEC) :
  - a) English language may be offered Sem. I for 2 Credits and sem. III for 2 Cr. in AEC
  - b) Second languages may be offered Sem. II for 2 Credits and sem. IV for 2 Cr. in MIL
- 8) Column No. 8 and 9 is common for all faculties.
- 9) Curriculum of VEC, COI, IKS and CCC will provide by university.





**Swami Ramanand Teerth Marathwada University, Nanded**  
*Faculty of Humanities. Major in MILITARY SCIENCE*  
**Basket 1: Major/ Minor (Optional) course for Semester I and II (C): Each of 02 Credits**

Semester	BOS proposing Minor (e g.)	Details of Major/Minor Course (M)	
		CODE	Title of the Course
<b>Semester I</b>	<b>1. BOS in MIL</b>	<b>HMILCT1101</b>	<b>Military History of India</b>
		<b>HMILCP1102</b>	<b>Practical</b>
<b>Semester II</b>	<b>2. BOS in MIL</b>	<b>HMILCT1151</b>	<b>Military History of India</b>
		<b>HMILCP1152</b>	<b>Practical</b>



**Swami Ramanand Teerth Marathwada University, Nanded**  
*Faculty of Humanities Major in MILITARY SCIENCE*

**Basket 3: Generic/Open Elective course (GE)**

Each BOS will suggest Generic Elective Courses (minimum one and maximum four) for semester I and II

		CODE	Title of the Course
Sem I	BOS in MIL	HMILGE1101	War after Independence in India
Sem II	BOS in MIL	HMILGE1151	Fundamental Elements of Military Science

**Note:** GE is to be chosen compulsory from faculty other than that of the Major.



**Swami Ramanand Teerth Marathwada University, Nanded**  
**Faculty of Humanities. Major in MILITARY SCIENCE**  
**Under Graduate First Year Programme ,Semester I (Level 4.5 )**  
**Teaching Scheme**

	Course Code	Course Name	Credits Assigned			Teaching Scheme (Hrs./ week 1 Hrs.=60 M.)	
			Theory	Practical	Total	Theory	Practical
<b>Optional 1,2,3,</b>	HMILCT1101	Military History of India	02+02+02		<b>06</b>	02+02+02	
	HMILCP1102	Practical		02+02+02	<b>06</b>		02+02+02
<b>Generic Electives</b>	HMILGE1101	War after Independence in India	02		<b>02</b>	02	
<b>Vocational &amp; Skill Enhancement Course</b>	HMILSC1101	Defence Journalism	02		<b>02</b>	02	
<b>Ability Enhancement Course /Languages</b>	HXXXA1101/ XXXXL1101	Compulsory English / Languages -----	02+02		<b>04</b>	02+02	
<b>Indian Knowledge System (IKS)</b>	IKSXXX1101	Select from <b>Basket 5</b>	02		<b>02</b>	02	
<b>Co-curricular Courses/Community Engagement Services (CC) (Basket 6)</b>	HXXXXC101	Any one of NCC/ NSS /Sports/ Culture /Health Wellness /Yoga Education / Fitness	-	--	--	--	--
<b>Total Credits</b>			<b>16</b>	<b>06</b>	<b>22</b>	<b>16</b>	<b>06</b>



**Swami Ramanand Teerth Marathwada University, Nanded**  
**Faculty of Humanities. Major in MILITARY SCIENCE (DSC)**  
**Under Graduate First Year Programme, Semester II (Level 4.5 )**

**Teaching Scheme**

	Course Code	Course Name	Credits Assigned			Teaching Scheme (Hrs./ week 1 Hrs.=60 M.)	
			Theory	Practical	Total	Theory	Practical
<b>Optional 1,2,3,</b>	HMILCT1151	Military History of India	02+02+02		<b>06</b>	02+02+02	
	HMILCP1152	Practical		02+02+02	<b>06</b>		02+02+02
<b>Generic Electives</b>	HMILGE1151	Fundamental Elements of Military Science	02		<b>02</b>	02	
<b>Vocational &amp; Skill Enhancement Course</b>	HMILSC1151	Warfare and Technology	02		<b>02</b>	02	
<b>Ability Enhancement Course/ Languages</b>	HXXXA1151 HXXXL1151	Compulsory English/ Languages	02+02		<b>02</b>	02+02	
<b>Value Education Course (VEC)</b>	VECCO1151	<b>Constitution of India</b>	02		<b>02</b>	02	
<b>Co-curricular Courses/Community Engagement Services (CC) (Basket 6)</b>	HXXXC151	Any one of NCC/ NSS /Sports/ Culture /Health Wellness /Yoga Education / Fitness	--	--	--	--	--
<b>Total Credits</b>			<b>16</b>	<b>06</b>	<b>22</b>	<b>16</b>	<b>06</b>



**Swami Ramanand Teerth Marathwada University, Nanded**  
**Faculty of Humanities Major in MILITARY SCIENCE**  
**Under Graduate First Year Programme, Semester I (Level 4.5)**

**Examination Scheme**

[20% Continuous Assessment (CA) and 80% End Semester Examination (ESE)]

Subject (1)	Course Code (2)	Course Name (3)	Theory					Total Col. (7+8) / (09)
			Continuous Assessment (CA)			ESE		
			Test I (4)	Test II (5)	Assignment (6)	Avg of T1+T2+Assi. /3 (7)	Total (8)	
<b>Optional 1,2,3,</b>	HMILCT1101	Military History of India	10	10	10	10	40	50
	HMILCP1102	Practical	10	10	10	10	40	50
<b>Generic Electives</b>	HMILGE1101	War after Independence in India	10	10	10	10	40	50
<b>Vocational &amp; Skill Enhancement Course</b>	HMILSC1101	Defence Journalism	10	10	10	10	40	50
<b>Ability Enhancement Course /Languages</b>	HXXXXA1101/ XXXXL1101	Compulsory English / Languages -----	10	10	10	10	40	50
<b>Indian Knowledge System (IKS)</b>	HIKSX1101	Select from <b>Basket 5</b>	10	10	10	10	40	50
<b>Co-curricular Courses/Community Engagement Services (CC) (Basket 6)</b>	HXXXXC101	Any one of NCC/ NSS /Sports/ Culture /Health Wellness /Yoga Education / Fitness	--	--	--	--	--	--



**Swami Ramanand Teerth Marathwada University, Nanded**  
**Faculty of Humanities. Major in MILITARY SCIENCE**  
**Under Graduate First Year Programme, Semester II (Level 4.5 )**

**Examination Scheme**

[20% Continuous Assessment (CA) and 80% End Semester Examination (ESE)]

Subject (1)	Course Code (2)	Course Name (3)	Theory					Total Col (7+8)] (9)
			Continuous Assessment (CA)			ESE		
			Test I (4)	Test II (5)	Assignment (6)	Avg of T1+T2+Assi. /3 (7)	Total (8)	
<b>Optional 1,2,3,</b>	HMILCT1151	Military History of India	10	10	10	10	40	50
	HMILCP1152	Practical	10	10	10	10	40	50
<b>Generic Electives</b>	HMILGE1151	Fundamental Elements of Military Science	10	10	10	10	40	50
<b>Vocational &amp; Skill Enhancement Course</b>	HMILSC1151	Warfare and Technology	10	10	10	10	40	50
<b>Ability Enhancement Course/ Languages</b>	HXXXXA1151 HXXXXL1151	Compulsory English/ Languages	10	10	10	10	40	50
<b>Value Education Course (VEC)</b>	VECCOI1151	Constitution of India	10	10	10	10	40	50
<b>Co-curricular Courses/Community Engagement Services (CC) (Basket 6)</b>	HXXXXC151	Any one of NCC/ NSS /Sports/ Culture /Health Wellness /Yoga Education / Fitness	--	--	--	--	--	--



**Swami Ramanand Teerth Marathwada University, Nanded**  
**Faculty of Humanities. Major in MILITARY SCIENCE (DSC)**  
**Under Graduate First Year Programme, Semester I**  
**Course Structure: Optional 1, 2, 3, - Teaching Scheme**  
**( for 2 credits)**

Course Code	Course Name (Paper Title)	Teaching Scheme (Hrs.)		Credits Assigned		
		Theory	CA	Theory	CA	Total
HMILCT1101	Military History of India	30	---	2	---	02
HMILCP1102	Practical	30	---	2	--	02
<b>(for 2 credits)</b>						
Course Code	Course Name (Paper Title)	Teaching Scheme (Hrs.)		Credits Assigned		
		Theory	CA	Theory	CA	Theory
HMILGE1101	War after Independence in India	30	---	02	--	02
HMILSC1101	Defence Journalism	30	---	02	--	02

**Major and Minor 1 - Assessment Scheme**

Course Code (2)	Course Name (3)	Theory					ESE (8)	Total [Col (7+8)]
		CA				Avg of T1+T2+Assi./3 (7)		
		Test I (4)	Test II (5)	Assignment (6)				
HMILCT1101	Military History of India	10	10	10	10	40	50	
HMILCP1102	Practical	10	10	10	10	40	50	
<b>(for 2 credits)</b>								
HMILGE1101	War after Independence in India	10	10	10	10	40	50	
HMILSC1101	Defence Journalism	10	10	10	10	40	50	





**Swami Ramanand Teerth Marathwada University, Nanded**  
***Faculty of Humanities. Major in MILITARY SCIENCE***  
**Under Graduate First Year Programme, Semester I**  
**Paper Code: HMILCT1101, Title: Military History of India (*Optional*)**  
***Curriculum Details***

**Course pre-requisite:**

- Open for All

**Course objectives:**

- Students Introduce art of warfare in India.
- Students introduce war strategy, tactics, Principles of war, and Indian Maratha, Shikh, Rajput empire and Generals.
- Various Attacks on turk, mughal , British Generals and they were Ruler in India.

**Course outcomes:**

- 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.



**Swami Ramanand Teerth Marathwada University, Nanded**  
**Faculty of Humanities. Major in MILITARY SCIENCE**  
**Under Graduate First Year Programme, Semester I**  
**Paper Code: HMILCT1101, Title: Military History of India (Optional)**  
**Curriculum Details (for 02 Credits)**

Module No.	Unit No.	Name of the Topic	Hrs. Required to cover the contents 1 Hrs.= 60 M.
<b>1.0</b>		<b>Comparative study of the Greek and Indian Military System</b>	<b>08</b>
	<b>1.1</b>	Battle of Hydaspes,326 B.C.	
	<b>1.2</b>	Introduction- Opposing forces and their development	
	<b>1.3</b>	Description of the battle, Analysis (Strategy, tactics, application of principles of war and causes of defeat and victory)	
<b>2.0</b>		<b>Kautilya's Philosophy of War</b>	<b>08</b>
	<b>2.1</b>	Strategy,	
	<b>2.2</b>	Espionage, Military Organisation, war office, Mode of warfare	
	<b>2.3</b>	Forts- Types & Role, Inter State Relation Theory	
<b>3.0</b>		<b>Comparative Study of the Rajputs and Turks Military System:</b>	<b>07</b>
	<b>3.1</b>	Battle of Terrain, 1191, 1192 A.D.	
	<b>3.2</b>	Introduction- Opposing forces and their deployment	
	<b>3.3</b>	Description of the battle, Analysis (Strategy, tactics, application of principles of war and causes of defeat and victory)	
<b>4.0</b>		<b>Military System of Mughal</b>	<b>07</b>
	<b>4.1</b>	First Battle of Panipat, 1526 A.D.	
	<b>4.2</b>	Introduction- Opposing forces and their deployment	
	<b>4.3</b>	Description of the battle, Analysis (Strategy, tactics, application of principles of war and causes of defeat and victory)	

		<b>Total</b>	<b>30</b>
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## Suggested Reading :

### English:

1. Alfred, David., (1953) Indian Art of War, Delhi, Atman Ram.
2. Bajwa F.S., (1964) Military System of the Sikhs, Delhi, Moti Lal, Banarsi Dass.
3. Bruce, George., (1969) Six Battles of India, Calcatta, Rupa & Company.
4. Das, S.T., (1969) Indian Military - Its History and Development, New Delhi, Sagar publication.
5. Dikshitar, Ramachandra V. R, (1999) War in Ancient India. New Delhi, Cosmo.
6. Fuller, J.F.C., (1958) Generalship of Alexander The Great, Dehradun, Natraj Publishes.
7. Gustav, Oppert,(1967) Weapons, Army Organisation and Political Maxims of Ancient Hindus, Ahmedabad, R.F Patel Rajratan Press.
8. Kangle, R.P., (1963) Kautilya's Arth Shastra, Mumbai, University of Bombay.
9. Majumdar, B.K.,(1960) Military System in Ancient India, Calcatta, Firma K.L. Mukhopadhyoy.
10. Roy, Kaushik,(2004) India's Historic Battles From Hydaspes to Kargil, Delhi, Primus Books.
11. Roy, Kaushik,(2011) War, Culture and Society in Early Modern South Asia, 1740-1849, Delhi, Routledge.
12. Roy, Kaushik Ed.,(2011) The Indian Army in the Two World Wars, Bosten, Brill.
13. Singh, Sarva Daman,(1997) Ancient Indian Warfare: With Special Reference to the Vedic Period, New Delhi, Motilal Banarsidass.
14. Ajay and Singh, Monika, (2012) The Battles That Shaped Indian History, Delhi, Pentagon Press.
15. Nanda, S. P,(2004) Landmarks in Indian History, New Delhi, Dominant Publishers and Distributers.
16. Majumdar, B.N.,(1963) Study of Indian Military History, Delhi, Army Educational Store.
17. मिश्र, सुरेंद्रा.,(2002) संसार के प्रसिद्ध युद्ध,नई दिल्ली, ग्रंथ अकादमी,
18. मालीवाल, बी.एन., (2002) सैन्य विज्ञान भाग 1 व 2,हापुड, चंद्र प्रकाश एण्ड ब्रदर्स.
19. सिंह, लल्लनजी,(2001) भारतीय सैन्य इतिहास एवं युद्ध के सिद्धांत, बरेली, प्रकाश बुक डिपो.
20. सिंह, लल्लनजी,(2001)युद्धकला, बरेली, प्रकाश बुक डिपो.
21. सिंह, अशोक कुमार,(2004) भारतीय युद्धकला का इतिहास, बरेली, प्रकाश बुक डिपो.
22. पाण्डे, बाबूराम,(2004) सैन्य अध्ययन की पाठ्य पुस्तक,बरेली, प्रकाश बुक डिपो,
23. सिंह, लल्लनजी,(1984) कौटिल्य का युद्ध दर्शन,बरेली, प्रकाश बुक डिपो.
24. जैन, पुष्पा,(2000) सम्पूर्ण सैन्य विज्ञान भाग - 1,ग्वालियर, विश्वविद्यालय प्रकाशन.

### मराठी

1. सोनवणे, जाधव, सेंदाणे, चौधरी, पाटील, सुतार, (1995) भारतीय युद्धकला,पुणे.निराली प्राकाशन

2. तोडकर, बी.डी.,(2018) मराठ्यांचा इतिहास, जळगाव, प्राशांत पब्लिकेशन,
3. जाधव, साळुंखे, पाटील, चौधरी, पाटील, सुतार, (1995) भारतीय युध्दतंत्राची उत्क्रांती, जळगाव, प्राशांत पब्लिकेशन,
4. भांगे सी. बी.,(2021) युध्दतंत्र, गाझीयाबाद, उत्तरप्रदेश, स्वरांजली पब्लिकेशन,
5. **Digital Platforms, Web links-**
  1. <https://www.idsa.in/>
  2. <http://www.centrepeaceconflictstudies.org/>
  3. <https://www.claws.in/>
  4. <https://mrc.foundationforuda.in/>
  5. <https://capsindia.org/>
  6. <https://www.vifindia.org/>
  7. <https://bharatshakti.in/>
  8. <https://www.dsalert.org/>

## Distribution and Evaluation of Course Assessment

### A. Continuous Assessment (CA) (20% of Maximum Marks):

Test I	Test II	Assignment	Total (1+2+3)	Average of Marks (Colum 4/3=)
1	2	3	4	5
10	10	10	30	10

This will form 20% of the Maximum Marks and will be carried out throughout the semester. It may be done by conducting **Two Tests and One Assignment**. Average of marks scored in these two tests and one assignment of a theory paper will make CA.

### B. End Semester Assessment (80% of the Maximum Marks):

1. ESA Question paper will consists of 6 questions.  
(Each of 10 Marks for 02credit pattern)
2. Question No. 1 will be compulsory and shall be based on entire syllabus.
3. There will be 4-5 sub questions in Question No. 1
4. Students are required to solve a total of 4 Questions.
5. Students need to solve ANY THREE of the remaining Five Question (Q.2 to Q.6) and shall be based on entire Syllabus.



**Swami Ramanand Teerth Marathwada University, Nanded**  
***Faculty of Humanities. Major in MILITARY SCIENCE***  
**Under Graduate First Year Programme, Semester I**  
**Paper Code: HMILCP1102, Title: Practical (*Optional*)**

***Curriculum Details***

**Course pre-requisite:**

- Open for All

**Course objectives:**

- Practicing the students and informing them about the legendary drills
- Students Motivate a good citizen of India.
- Students awareness of National Unity and Integration ,
- Students Introduce Map reading, difference of Maps, conventional signs of maps

**Course outcomes:**

- Students achieve National unity and Integration.
- Students understand Problems of India with neighbors country.
- Clearly understand the Practical use of Map Reading.
- Definitely Students Motivate to join Indian Armed Forces.



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Under Graduate First Year Programme, Semester I  
**Paper Code: HMILCP1102, Title: Practical (Optional)**  
**Curriculum Details (for 02 Credits)**

<b>Module No.</b>	<b>Unit No.</b>	<b>Name of the Topic</b>	<b>Hrs. Required to cover the contents 1 Hrs.= 60 M.</b>
<b>1.0</b>		<b>Drill without Arms</b>	<b>08</b>
	<b>1.1</b>	Aims and Objectives	
	<b>1.2</b>	Words of Command	
	<b>1.3</b>	Drill and Foot Drill, Drill Movement's OR Women Safety - Practices (only for girls)	
<b>2.0</b>		<b>Map Reading</b>	<b>08</b>
	<b>2.1</b>	Definition and Features	
	<b>2.2</b>	Types of Map	
	<b>2.3</b>	Classification and its utility for Military, Enlargement and Reduction of Maps	
<b>3.0</b>		<b>Conventional Signs</b>	<b>06</b>
	<b>3.1</b>	Military	
	<b>3.2</b>	Geographical	
	<b>3.3</b>	Topographical Forms, Types of Topographical forms	
<b>4.0</b>		<b>Disaster Management.</b>	<b>08</b>
	<b>4.1</b>	Meaning and Scope	
	<b>4.2</b>	Disaster Management & National Security	
	<b>4.3</b>	Importance, Types of Disaster, I) Natural Disaster- A) Earth Quake B) Flood C) Fire D) Cyclone E) Tsunami F) Heavy Rain G) Famine II)Man Made Disaster	
		<b>Total</b>	<b>30</b>

## Suggested Readings-

### English-

1. Maliwal, B. N., (1994) Practical Military Science, Bareilly, Prakash Book Depo.
2. Sharma, Dr. Vishnu Kant and Sharma, Dr, Meena, (1994) N.C.C. Cadet 's Military Training, Bareilly, Prakash Book Depo.,
3. Hand Book of N.C.C.

### हिंदी-

1. चौधरी, नरेंद्र सिंह, (2001) मानचित्र अध्ययन, बरेली, प्रकाश बुक डिपो.
2. शर्मा, वाई., के., (2001) मानचित्र का अध्ययन, बरेली, प्रकाश बुक डिपो.
3. शर्मा, विष्णु कांत, (1991) एन.सी.सी. परिचय एवं प्रशिक्षण, बरेली, प्रकाश बुक डिपो.
4. श्रीवास्तव, जे. एम., (1998) प्रायोगिक सैन्य विज्ञान, बरेली, प्रकाश बुक डिपो.
5. चौधरी, नरेंद्र सिंह, (2000) प्रायोगिक सैन्य विज्ञान, बरेली, प्रकाश बुक डिपो.
6. सिंह, बलवंत एवं सिंह, अशोक कुमार, (2004) मानचित्र अध्ययन की सरल विधि, बरेली, चौधरी प्रकाश बुक डिपो.

### मराठी

1. मराठे, प्र.प्र., (2006) आपत्ती व्यवस्थापन, पुणे, डायमंड पब्लिकेशन.
2. सरपाते, मोहनकुमार, (2010) स्वास्था आणि योग, पुणे, डायमंड पब्लिकेशन.

## Distribution and Evaluation of Course Assessment

### A. Continuous Assessment (CA) (20% of Maximum Marks):

Test I	Test II	Assignment	Total (1+2+3)	Average of Marks (Colum 4/3=)
1	2	3	4	5
10	10	10	30	10

This will form 20% of the Maximum Marks and will be carried out throughout the semester. It may be done by conducting **Two Tests and One Assignment**. Average of marks scored in these two tests and one assignment of a theory paper will make CA.

### B. End Semester Assessment (80% of the Maximum Marks):

1. Practical - 20 Marks
  2. Record Books- 10 Marks
  3. Project Work/ Case Study- 10 Marks
- Total 40 Marks**

**(Project work, case study report will be related to local area any current Issue)**

**Note: The Duration of One Practical Period will be 02.00 clock Hours.**



**Swami Ramanand Teerth Marathwada University, Nanded**  
***Faculty of Humanities. Major in MILITARY SCIENCE (DSC)***  
**Under Graduate First Year Programme, Semester I**

**Paper Code: HMILGE1101, Title: War after Independence in India (GE)**

***Curriculum Details***

**Course pre-requisite:**

- Open for All

**Course objectives:**

- Students Introduce situation in India after Independence
- Introduce after independence Princely State of India and Problem and Merged of Union of India
- Awareness of after Independence India defeat and victory of war.
- After Independent Neighbors attack on India

**Course outcomes:**

- Students awareness after Independence of India fight neighbors country.
- Learn and understand Princely state of India and merged history.
- India defeat and victory against war china , Pakistan, Kargil war
- Learn and understand India's strategy, tactics of war and capability of Indian Armed forces





**Swami Ramanand Teerth Marathwada University, Nanded**  
**Faculty of Humanities. Major in MILITARY SCIENCE (DSC)**  
**Under Graduate First Year Programme, Semester I**  
**Paper Code: HMILGE1101, Title: War after Independence in India (GE)**  
**Curriculum Details (for 02 Credits)**

Module No.	Unit No.	Name of the Topic	Hrs. Required to cover the contents 1 Hrs.= 60 M.
<b>1.0</b>		<b>Situation of India after Independence</b>	<b>08</b>
	<b>1.1</b>	India and Princely State, Princely State merge in union of India	
	<b>1.2</b>	Hyderabad Princely State – Police Action	
	<b>1.3</b>	Kashmir Princely State Merge in India. Indo-Pak war 1947-48	
<b>2.0</b>		<b>India- China War-1962</b>	<b>07</b>
	<b>2.1</b>	Panchsheel Principles, India-China Maître Treaty	
	<b>2.2</b>	Tibet Crises, McMahan line Dispute	
	<b>2.3</b>	Analysis	
<b>3.0</b>		<b>India-Pakistan war</b>	<b>08</b>
	<b>3.1</b>	India-Pakistan war-1965, Tashkand Treaty	
	<b>3.2</b>	India-Pakistan war-1971, Simla Treaty,	
	<b>3.3</b>	Analysis	
<b>4.0</b>		<b>Kargil war-1999</b>	<b>07</b>
	<b>4.1</b>	India Became a Nuclear Power -1974, 1998	
	<b>4.2</b>	Kargil war-1999 (Operation Vijay)	
	<b>4.3</b>	Analysis	
		<b>Total</b>	<b>30</b>

**Suggested Readings-**

- 1) K. Subrahmanium, (1952) Our National Security, Economic & Scientific Perspectives, Delhi, Director ESRF Federation House.
- 2) Bandopadhyaya, (1991) Making of India's Foreign Policy, Delhi, Allied Publishers.
- 4) Bajpai U.S., (1983) India's Security, Delhi, Lancer Publishers.
- 5) K. Subrahmanium Ed. Aruna Asaf Ali., (1974) India's Unity and Security Challenges, safeguarding the republic, Delhi, Patriot Publishers Pvt.
- 7) K.V. Krishnarao, Delhi, (1994) Prepare or Perish, Lancer Publication.
- 8) Jadhav, V.Y., (2012) Bharatachy Rashriya Surksha, Pune, Snehvardhan Prakashan.

- 9) Shrikant Paranjpe (ed.) (2009) *India's Internal Security : Issues and Perspectives*, Delhi, Kalinga publication.
- 10) Samaddar, Sujeet, (2005) *Defence Development and National Security : Linkages in the Indian Context*, Delhi, Gyan Publishing House.
- 11) Roy, Kaushik, (2004) *India's Historic Battles From Hydaspes to Kargil*, Delhi, Primus Books. 12) Roy, Kaushik, (2011) *War, Culture and Society in Early Modern South Asia, 1740-1849*, Delhi, Routledge.
- 13) Roy, Kaushik, Ed., (2012) *The Indian Army in the Two World Wars*, Leiden, Boston, Brill.
- 14) Ajay and Singh, Monika, (2012) *The Battles That Shaped Indian History*, Delhi, Pentagon Press.
- 15) Nanda, S. P., (2004) *Landmarks in Indian History*, Delhi, Dominant Publishers and Distributors.
- 16) Majumdar, B.N., (1963) *Study of Indian Military History*. Army Educational Store.
- 17) Bhonsle, Rahul, K., (2006) *India- Security Scope 2006: The New Great Game*, Delhi, Kalpak Publication.
- 18) Singh, Anand, K., (2006) *Ethnicity and Security of India*, Allahabad, Anubhav Pub.
- 19) मिश्र, सुरेंद्रा, (2002) संसार के प्रसिद्ध युद्ध, नई दिल्ली, ग्रंथ अकादमी.
- 20) मालीवाल, बी.एन., (2002) सैन्य विज्ञान भाग 1 व 2, हापुड, चंद्र प्रकाश एण्ड ब्रदर्स.
- 21) सिंह, लल्लनजी, (2001) भारतीय सैन्य इतिहास एवं युद्ध के सिद्धांत, बरेली, प्रकाश बुक डिपो.
- 22) सिंह, अशोक कुमार, (2004) भारतीय युद्धकला का इतिहास, बरेली, प्रकाश बुक डिपो.
- 23) पाण्डे, बाबूराम, (2004) सैन्य अध्ययन की पाठ्य पुस्तक, बरेली, प्रकाश बुक डिपो.
- 24) जैन, पुष्पा, (2000) सम्पूर्ण सैन्य विज्ञान भाग - 1, ग्वालियर, विश्वविद्यालय प्रकाशन.

## Distribution and Evaluation of Course Assessment

### A. Continuous Assessment (CA) (20% of Maximum Marks):

Test I	Test II	Assignment	Total (1+2+3)	Average of Marks (Colum 4/3=)
1	2	3	4	5
10	10	10	30	10

This will form 20% of the Maximum Marks and will be carried out throughout the semester. It may be done by conducting **Two Tests and One Assignment**. Average of marks scored in these two tests and one assignment of a theory paper will make CA.

### B. End Semester Assessment (80% of the Maximum Marks):

1. ESE Question paper will consists of 6 questions  
(Each of 10 Marks for 02 credit pattern )
2. Question No. 1 will be compulsory and shall be based on entire syllabus.
3. There will be 4-5 sub questions in Question No. 1
4. Students are required to solve a total of 4 Questions.
5. Students need to solve ANY THREE of the remaining Five Question  
(Q.2 to Q.6) and shall be based on entire Syllabus.



**Swami Ramanand Teerth Marathwada University, Nanded**  
***Faculty of Humanities. Major in MILITARY SCIENCE (DSC)***  
**Under Graduate First Year Programme, Semester I**  
**Paper Code: HMILSC1101, Title: Defence Journalism (SEC)**  
***Curriculum Details***

**Course pre-requisite:**

- Open for All.

**Course objectives:**

- To make aware of the students about the role of media in the management of National and International Security. Also, provide knowledge how to be a responsible Defence Journalist.
- Disseminating knowledge of Defence affairs and understanding of national security in the field of journalism.

**Course outcomes:**

- Students will be able to understand new path of career as Defence Journalist.
- Journalists and reporters who want to specialize on national security and related issues.



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**Under Graduate First Year Programme, Semester I**  
**Paper Code: HMILSC1101, Title: Defence Journalism (SEC)**  
**Curriculum Details (for 02 Credits)**

Module No.	Unit No.	Name of the Topic	Hrs. Required to cover the contents 1 Hrs.= 60 M.
<b>1.0</b>		<b>Introduction</b>	<b>07</b>
	<b>1.1</b>	Defence Journalism-concept, meaning and features	
	<b>1.2</b>	Difference between Civil Journalism & Defence Journalism Defence Journalism- As a Profession	
	<b>1.3</b>	Defence Journalism- As a Profession	
<b>2.0</b>		<b>Defence News</b>	<b>07</b>
	<b>2.1</b>	Meaning and Defining Defence News	
	<b>2.2</b>	Kinds of Sources of Defence News	
	<b>2.3</b>	Defence Writing Procedure	
<b>3.0</b>		<b>Defence Reporting and Defence Terminology</b>	<b>10</b>
	<b>3.1</b>	Format Languages and Grammer, Forms- Eye witness, computer assigned features.	
	<b>3.2</b>	Concept of Graphics and Animation(Role of Modern Technology)	
	<b>3.3</b>	Defence Terminology- Defence terms & Abbreviations, Military Terms-Weapons, Weapons system, Defence Organisation- Rank and Rank Structure in services	
<b>4.0</b>		<b>Problems of Defence Writing</b>	<b>06</b>
	<b>4.1</b>	Media Ethics	
	<b>4.2</b>	Media Laws	
	<b>4.3</b>	Problem in Defence Writing- Political Pressure, Official Secrecy- etc.	
		<b>Total</b>	<b>30</b>

## Suggested Reading

1. Bhatt, S.C., (2005) Practical Journalism, Jaipur , Avishkar,
2. Chatterjee, R.K., (1973) Mass Communication, New Delhi, National Book Trust
3. Dhara, R., (1945) Journalism, Calcutta, Industry Publishers,
4. Waren, K. Agrie., (ed)., (1968) The Press and the Public Interest, Washington, D.C, Public Affairs Press,
5. Marathe, P.P., Godbole, V.J., (2011) Aaptti Vyavsthapan, Pune, Dimanand Publication,
6. Vispute, D.,(2020) Sanrakshan Patrakarita, Jalgaon, Prashant Publication,

## Distribution and Evaluation of Course Assessment

### A. Continuous Assessment (CA) (20% of Maximum Marks):

Test I	Test II	Assignment	Total (1+2+3)	Average of Marks (Colum 4/3=)
1	2	3	4	5
10	10	10	30	10

This will form 20% of the Maximum Marks and will be carried out throughout the semester. It may be done by conducting **Two Tests and One Assignment**. Average of marks scored in these two tests and one assignment of a theory paper will make CA.

### B. End Semester Assessment (80% of the Maximum Marks):

1. ESE Question paper will consists of 6 questions  
(Each of 10 Marks for 02 credit pattern)
2. Question No. 1 will be compulsory and shall be based on entire syllabus.
3. There will be 4-5 sub questions in Question No. 1
4. Students are required to solve a total of 4 Questions.
5. Students need to solve ANY THREE of the remaining Five Question (Q.2 to Q.6) and shall be based on entire Syllabus.

**Swami Ramanand Teerth Marathwada University, Nanded**

*Faculty of Humanities. Major in MILITARY SCIENCE (DSC)*

Under Graduate First Year Programme, Semester II

**Course Structure: Optional 1, 2, 3, - Teaching Scheme**  
*(for 02 credits)*

Course Code	Course Name (Paper Title)	Teaching Scheme (Hrs.)		Credits Assigned		
		Theory	CA	Theory	CA	Total
HMILCT1151	Military History of India	30	---	02	---	02
HMILCP1152	Practical	30	---	02	--	02
<i>(for 2 credits)</i>						
Course Code	Course Name (Paper Title)	Teaching Scheme (Hrs.)		Credits Assigned		
		Theory	CA	Theory	CA	Theory
HMILGE1151	Fundamental Elements of Military Science	30	---	02	--	02
HMILSC1151	Warfare and Technology	30	---	02	--	02

***Major and Minor 1 - Assessment Scheme***

Course Code (2)	Course Name (3)	Theory					ESE (8)	Total [Col (7+8)]
		CA						
		Test I (4)	Test II (5)	Assignment (6)	Avg of $\frac{T1+T2+Assi.}{3}$ (7)			
HMILCT1151	Military History of India	10	10	10	10	40	50	
HMILCP1152	Practical	10	10	10	10	40	50	
<i>(for 2 credits)</i>								
HMILGE1151	Fundamental Elements of Military Science	10	10	10	10	40	50	
HMILSC1151	Warfare and Technology	10	10	10	10	40	50	



**Swami Ramanand Teerth Marathwada University, Nanded**  
***Faculty of Humanities.* Major in MILITARY SCIENCE**  
**Under Graduate First Year Programme, Semester II**  
**Paper Code: HMILCT1151, Title: Military History of India (*Optional*)**

***Curriculum Details***

**Course pre-requisite:**

- Open for All

**Course objectives:**

- Students Introduce art of warfare in India.
- Students introduce war strategy, tactics, Principles of war, and Indian Maratha, Shikh, Rajput empire and Generals.
- Various Attacks on turk, mughal , British Generals and they were Ruler in India.

**Course outcomes:**

- 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.



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**Paper Code: HMILCT1151, Title: Military History of India (Optional)**  
**Curriculum Details (for 02Credits)**

Module No.	Unit No.	Name of the Topic	Hrs. Required to cover the contents 1 Hrs.= 60 M.
<b>1.0</b>		<b>Military System of Maratha under Shivaji.</b>	<b>08</b>
	<b>1.1</b>	Maratha Military System	
	<b>1.2</b>	Shivaji and Adilshahi Conflict- Jawali Incident, Battle of Pratapgadh	
	<b>1.3</b>	Shivaji and Mughal conflict, Red on Shahistekhan, Campaign of Mirza Raje Jaysing, Purandar Treaty	
<b>2.0</b>		<b>Third Battle of Panipat 1761 A.D.:</b>	<b>08</b>
	<b>2.1</b>	Introduction- Opposing forces and their deployment	
	<b>2.2</b>	Description of the battle	
	<b>2.3</b>	Strategy and Tactics , Analysis (Application of principles of war and causes of defeat and victory)	
<b>3.0</b>		<b>Military System of Sikh Under Maharaja Ranjit Singh</b>	<b>07</b>
	<b>3.1</b>	Battle of Sob roan 1846 A.D.	
	<b>3.2</b>	Introduction- Opposing forces and their deployment	
	<b>3.3</b>	Description of the battle, Analysis (Application of principles of war and causes of defeat and victory)	
<b>4.0</b>		<b>Development of the Indian Army during British Period</b>	<b>07</b>
	<b>4.1</b>	Military Organization of East India Company in India- Presidency armies	
	<b>4.2</b>	Reorganization of Indian Armies under British Crown- Command system	
	<b>4.3</b>	Indian National Army, World war II and Independence Movement	
		<b>Total</b>	<b>30</b>



## Suggested Reading:

### English

1. Alfred, David., (1953) Indian Art of War, Delhi, Atman Ram.
2. Bajwa F.S., (1964) Military System of the Sikhs, Delhi, Moti Lal, Banarsi Dass.
3. Bruce, George., (1969) Six Battles of India, Calcutta, Rupa & Company.
4. Das, S.T., (1969) Indian Military - Its History and Development, New Delhi, Sagar publication.
5. Dikshitar, Ramachandra V. R., (1999) War in Ancient India. New Delhi, Cosmo.
6. Fuller, J.F.C., (1958) Generalship of Alexander The Great, Dehradun, Natraj Publishes.
7. Gustav, Oppert,(1967) Weapons, Army Organisation and Political Maxims of Ancient Hindus, Ahmedabad, R.F Patel Rajratan Press.
8. Kangle, R.P., (1963) Kautilya's Arth Shastra, Mumbai, University of Bombay.
9. Majumdar, B.K.,(1960) Military System in Ancient India, Calcutta, Firma K.L. Mukhopadhyoy.
10. Roy, Kaushik,(2004) India's Historic Battles From Hydaspes to Kargil, Delhi, Primus Books.
11. Roy, Kaushik,(2011) War, Culture and Society in Early Modern South Asia, 1740-1849, Delhi, Routledge.
12. Roy, Kaushik Ed.,(2011) The Indian Army in the Two World Wars, Bosten, Brill.
13. Singh, Sarva Daman,(1997) Ancient Indian Warfare: With Special Reference to the Vedic Period, New Delhi, Motilal Banarsidass.
14. Ajay and Singh, Monika, (2012) The Battles That Shaped Indian History, Delhi, Pentagon Press.
15. Nanda, S. P,(2004) Landmarks in Indian History, New Delhi, Dominant Publishers and Distributers.
16. Majumdar, B.N.,(1963) Study of Indian Military History, Delhi, Army Educational Store.
17. मिश्र, सुरेंद्रा.,(2002) संसार के प्रसिद्ध युद्ध,नई दिल्ली, ग्रंथ अकादमी,
18. मालीवाल, बी.एन., (2002) सैन्य विज्ञान भाग 1 व 2,हापुड, चंद्र प्रकाश एण्ड ब्रदर्स.
19. सिंह, लल्लनजी,(2001) भारतीय सैन्य इतिहास एवं युद्ध के सिद्धांत, बरेली, प्रकाश बुक डिपो.
20. सिंह, लल्लनजी,(2001)युद्धकला, बरेली, प्रकाश बुक डिपो.
21. सिंह, अशोक कुमार,(2004) भारतीय युद्धकला का इतिहास, बरेली, प्रकाश बुक डिपो.
22. पाण्डे, बाबूराम,(2004) सैन्य अध्ययन की पाठ्य पुस्तक,बरेली, प्रकाश बुक डिपो,
23. सिंह, लल्लनजी,(1984) कौटिल्य का युद्ध दर्शन,बरेली, प्रकाश बुक डिपो.
24. जैन, पुष्पा,(2000) सम्पूर्ण सैन्य विज्ञान भाग - 1,ग्वालियर, विश्वविद्यालय प्रकाशन.

### मराठी

1. सोनवणे, जाधव, सेंदाणे, चौधरी, पाटील, सुतार, (1995) भारतीय युद्धकला,पुणे.निराली प्राकाशन
2. तोडकर, बी.डी.,(2018) मराठ्यांचा इतिहास, जळगाव, प्राशांत पब्लिकेशन,
3. जाधव, साळुंखे, पाटील, चौधरी, पाटील, सुतार, (1995) भारतीय युद्धतंत्राची उत्क्रांती, जळगाव, प्राशांत पब्लिकेशन,

4. भांगे सी.बी.,(2021) युध्दतंत्र, गाङ्गीयाबाद, उत्तरप्रदेश् स्वरांजली पब्लिकेशन,
5. **Digital Platforms, Web links-**
9. <https://www.idsa.in/>
10. <http://www.centrepeaceconflictstudies.org/>
11. <https://www.claws.in/>
12. <https://mrc.foundationforuda.in/>
13. <https://capsindia.org/>
14. <https://www.vifindia.org/>
15. <https://bharatshakti.in/>
16. <https://www.dsalert.org/>

## **Distribution and Evaluation of Course Assessment**

### **B. Continuous Assessment (CA) (20% of Maximum Marks):**

<b>Test I</b>	<b>Test II</b>	<b>Assignment</b>	<b>Total (1+2+3)</b>	<b>Average of Marks (Colum 4/3=)</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>10</b>	<b>10</b>	<b>10</b>	<b>30</b>	<b>10</b>

This will form 20% of the Maximum Marks and will be carried out throughout the semester. It may be done by conducting **Two Tests and One Assignment**. Average of marks scored in these two tests and one assignment of a theory paper will make CA.

### **B. End Semester Assessment (80% of the Maximum Marks):**

1. ESE Question paper will consists of 6 questions  
(Each of 10 Marks for 02 credit pattern)
2. Question No. 1 will be compulsory and shall be based on entire syllabus.
3. There will be 4-5 sub questions in Question No. 1
4. Students are required to solve a total of 4 Questions.
5. Students need to solve ANY THREE of the remaining Five Question (Q.2 to Q.6) and shall be based on entire Syllabus.



**Swami Ramanand Teerth Marathwada University, Nanded**  
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**Under Graduate First Year Programme, Semester II**  
**Paper Code: HMILCP1152, Title: Practical (*Optional*)**  
***Curriculum Details***

**Course pre-requisite:**

- Open for All

**Course objectives:**

- Practicing the students and informing them about the legendary drills
- Students Motivate a good citizen of India.
- Students awareness of National Unity and Integration ,
- Students Introduce Map reading, difference of Maps, conventional signs of maps

**Course outcomes:**

- Students achieve National unity and Integration.
- Students understand Problems of India with neighbors country.
- Clearly understand the Practical use of Map Reading.
- Definitely Students motivate to join Indian Armed Forces.



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Under Graduate First Year Programme, Semester II  
**Paper Code: HMILCP1152, Title: Practical (Optional)**  
**(For 02 Credits)**

Module No.	Unit No.	Name of the Topic	Hrs. Required to cover the contents 1 Hrs.= 60 M.
<b>1.0</b>		<b>Drill without Arms</b>	<b>08</b>
	<b>1.1</b>	Words of Commands.	
	<b>1.2</b>	Marching in quick time and Halt	
	<b>1.3</b>	Drill Movements, Home Nursing (only for girls)	
<b>2.0</b>		<b>GRID system</b>	<b>08</b>
	<b>2.1</b>	Four Figure and Six figure Map References	
	<b>2.2</b>	North- Types of North and finding out True North. The Pole Star Method;	
	<b>2.3</b>	The equal altitude method; Watch method & compass method, Scale- Definition, Methods of representing Scale: Inter-conversion of scale into Representative Fraction, construction of simple scale line and the comparative scale lines.	
<b>3.0</b>		<b>Yogasan</b>	<b>07</b>
	<b>3.1</b>	Historical Development	
	<b>3.2</b>	Importance of Yoga	
	<b>3.3</b>	Types of Yoga- , Life Style and Yoga	
<b>4.0</b>		<b>Obstacles</b>	<b>07</b>
	<b>4.1</b>	Running, Rope pole, Pull ups	
	<b>4.2</b>	Long Jump, High Jump	
	<b>4.3</b>	Throw Ball, Throw Disk, General Knowledge/ Current Affairs	
		<b>Total</b>	<b>30</b>

## Suggested Readings- English-

1. Maliwal, B. N., (1994) Practical Military Science, Bareilly, Prakash Book Depo.
2. Sharma, Dr. Vishnu Kant and Sharma, Dr, Meena, (1994) N.C.C. Cadet 's Military Training, Bareilly, Prakash Book Depo.,
3. Hand Book of N.C.C.

## हिंदी-

1. चौधरी, नरेंद्र सिंह (2001) मानचित्र अध्ययन, बरेली, प्रकाश बुक डिपो.
2. शर्मा, वाई., के., (2001) मानचित्र का अध्ययन, बरेली, प्रकाश बुक डिपो.
3. शर्मा, विष्णु कांत, (1991) एन.सी.सी. परिचय एवं प्रशिक्षण, बरेली, प्रकाश बुक डिपो.
4. श्रीवास्तव, जे. एम., (1998) प्रायोगिक सैन्य विज्ञान, बरेली, प्रकाश बुक डिपो.
5. चौधरी, नरेंद्र सिंह, (2000) प्रायोगिक सैन्य विज्ञान, बरेली, प्रकाश बुक डिपो.
6. सिंह, बलवंत एवं सिंह, अशोक कुमार, (2004) मानचित्र अध्ययन की सरल विधि, बरेली, चौधरी प्रकाश बुक डिपो.

## मराठी

1. मराठे, प्र.प्र., (2006) आपत्ती व्यवस्थापन, पुणे, डायमंड पब्लिकेशन.
2. सरपाते, मोहनकुमार, (2010) स्वास्था आणि योग, पुणे, डायमंड पब्लिकेशन.

## Distribution and Evaluation of Course Assessment

### A. Continuous Assessment (CA) (20% of Maximum Marks):

Test I	Test II	Assignment	Total (1+2+3)	Average of Marks (Colum 4/3=)
1	2	3	4	5
10	10	10	30	10

This will form 20% of the Maximum Marks and will be carried out throughout the semester. It may be done by conducting **Two Tests and One Assignment**. Average of marks scored in these two tests and one assignment of a theory paper will make CA.

### B. End Semester Assessment (80% of the Maximum Marks):

1. Practical - 20 Marks
2. Record Books 10 Marks
3. Project Work/Case Study 10 Marks
- Total 40 Marks**

**(Project work, case study report will be related to local area any current Issue)**

**Note: The Duration of One Practical Period will be 02.00 clock Hours.**



**Swami Ramanand Teerth Marathwada University, Nanded**  
***Faculty of Humanities. Major in MILITARY SCIENCE (DSC)***  
**Under Graduate First Year Programme, Semester II**  
**Paper Code: HMILGE1151, Title: Fundamental Elements of Military**  
**Science (GE)**  
***Curriculum Details***

**Course pre-requisite:**

- Open for All

**Course objectives:**

- Students Introduce importance and scope of Military Science subject
- Introduce the basic concept of war, types, elements of war
- Awareness of warfare techniques, characteristics of unconventional warfare

**Course outcomes:**

- Understand the introduction, scope & importance of Military science subject
- Understand the basic concepts of war, its various types, Art of war and its elements
- Understand the strand of war and principles of war and its importance in war
- Understand the basic concept, tools, techniques, and characteristics of unconventional warfare



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**Under Graduate First Year Programme, Semester II**  
**Paper Code: HMILGE1151, Title: Fundamental Elements of Military**  
**Science (GE)**  
**Curriculum Details (for 02 Credits)**

Module No.	Unit No.	Name of the Topic	Hrs. Required to cover the contents 1 Hrs.= 60 M.
<b>1.0</b>		<b>Conceptual Formulation of Military Science</b>	<b>08</b>
	<b>1.1</b>	Historical background in India's perspective	
	<b>1.2</b>	Its scope and importance	
	<b>1.3</b>	Relation with other subjects	
<b>2.0</b>		<b>War</b>	<b>07</b>
	<b>2.1</b>	Concept of war	
	<b>2.2</b>	Strands of war	
	<b>2.3</b>	Principles of war	
<b>3.0</b>		<b>War Strategy and Tactics</b>	<b>08</b>
	<b>3.1</b>	Strategy- concept and its elements- Base, Line of Communications, Strategic Maneuver	
	<b>3.2</b>	Tactics – Its concept,	
	<b>3.3</b>	Tactical maneuver i) Blitzkrieg Tactics, ii) Web Defence Tactics, Logistics	
<b>4.0</b>		<b>World War</b>	<b>07</b>
	<b>4.1</b>	First World war- Brief introduction, Causes, Results, Advent of Gases, Tanks and Submarines in war	
	<b>4.2</b>	Second World war- Brief introduction, Causes, Results, Advent of Tank warfare, Air and Naval warfare in war	
	<b>4.3</b>	Use of Nuclear weapon	
		<b>Total</b>	<b>30</b>

## Suggested Readings-

### English

1. Andreski S., (1968) Military Organization and Society, Berkeley, Univ. California Press..
2. Anthony James Joes, (1996) Guerrilla Conflict before the Cold War, New York, Praeger Publishers.
3. Aron R., (1966) Peace and War: A Theory of International Relations, New York, Praeger,, 1966
4. Barringer R., (1972) War: Patterns of Conflict, Delhi MIT Press, Cambridge, Mass.
5. Blainey G., (1973) The Causes Of War, London, Macmillan,
6. Montgomery Viscount, (1983) A History of Warfare, New York City, William Morrow & Co.
7. Mukherji and Shyam Lal, (1952) A Textbook of Military Science, Vol. II., Delhi, Navayuga,
8. Osanka, F.M., (1968), Modern Guerrilla Warfare New York,, Free Press of Glencoe,
9. Sidhu, K.S., (1968) War and Its Principles, New Delhi Atlantic,
10. Tripathi, K.S. (1970), Evolution of Nuclear Strategies, Vikas, New Delhi, 1970
11. Van Evara, Stephen, (1999) Causes of War: Power and the Roots of Conflict, a. Cornell Ithaca,, University Press.
12. Wright, Quincy, (1942), Study of War, University of Chicago Press.
13. Jodh Singh, (1980) War- Its Principles, Tactics and Strategies, Delhi, Surjeet Publications,
14. Jain, U.C. and Nair, Jeevan, (2000) Indian Defence and Security, Pointer Publishers, Jaipur,
15. Richard A. Clarke and Robert Knake, (2012), Cyber War: The Next Threat to National Security and What to Do About It, Ecco; New York
16. Oakley, Jacob G, Waging, (2019) Cyber War- Technical Challenges and Operational Constraints, Apress, DOI: 10.1007/978-1-4842-4950-5,
17. Lori Ann Larocco, (2019), Trade War : Containers Don't Lie, Marine Money,.
18. Basu, Shubhankar, (2020) Changing Character of Hybrid Warfare: The Threat to India, Jaypee Brothers Medical Publishers,
19. Deshpande, Vikrant, (2018) Hybrid Warfare: The Changing Character of Conflict, IDSA, New Delhi ,Pentagon Press
20. Murray, Williamson and Mansoor, Peter R, (2012) Hybrid Warfare: Fighting Complex Opponents from the Ancient World to the Present, Cambridge University Press,
21. Gupta, Arvind, (2018) How India Manages its National Security, Delhi, Penguin Random House, India,
22. Khan, J,A., (2005) Probing war and warfare, New Delhi, A.P.H. Publishing Corporation, New Delhi, 2005
23. Prasad, Rajendra, (1988) India's Civil Defence in the Nuclear Age, Bareilly, Prakash Book Depo, ,

### हिंदी

1. मालीवाल, बी. एन.,(1984) स्थल युद्धकला, हापुड़, चंद्रप्रकाश एण्ड ब्रदर्स.
2. सिंह, लल्लनजी, (2000) युद्ध की प्रकृति एवं उत्तरी अफ्रीका का संग्राम, बरेली, प्रकाश बुक डिपो
3. सिंह, अशोक कुमार, (1998) भारतीय युद्ध कला का इतिहास, प्रकाश बुक डिपो.
4. पाण्डे, बाबूराम, (2004) सैन्य अध्ययन की पाठ्यपुस्तक, बरेली प्रकाश बुक डिपो.
5. शर्मा, विष्णु कांत, (1994) रासायनिक युद्ध की तकनीक, भोपाल, म.प्र. हिंदी ग्रंथ अकादमी, जैन, पुष्पा,



(2000)सम्पूर्ण सैन्य विज्ञान भाग -1 व 2, ग्वालियर विश्वविद्यालय प्रकाशन,

6. इंदु प्रकाश, (1998) पर्यावरण एवं रासायनिक, कीटाणु युद्ध, गाजियाबाद, राष्ट्र प्रहरी प्रकाशन
7. बाला, विंगकमाण्डर मनमोहन, (2011) नई दिल्ली, रक्षा विज्ञान, प्रभात प्रकाशन.
8. शर्मा, ओमप्रकाश, (1981) युद्ध का अध्ययन, म.प्र. हिंदी ग्रंथ अकादमी, भोपाल,
9. शर्मा, कर्नल गौतम, (1973) भारतीय सेना और युद्धकला, दिल्ली, राजपाल एण्ड संस, दिल्ली.

## Distribution and Evaluation of Course Assessment

### B. Continuous Assessment (CA) (20% of Maximum Marks):

Test I	Test II	Assignment	Total (1+2+3)	Average of Marks (Colum 4/3=)
1	2	3	4	5
10	10	10	30	10

This will form 20% of the Maximum Marks and will be carried out throughout the semester. It may be done by conducting **Two Tests and One Assignment**. Average of marks scored in these two tests and one assignment of a theory paper will make CA.

### B. End Semester Assessment (80% of the Maximum Marks):

1. ESE Question paper will consists of 6 questions  
(Each of 10 Marks for 02 credit pattern)
2. Question No. 1 will be compulsory and shall be based on entire syllabus.
3. There will be 4-5 sub questions in Question No. 1
4. Students are required to solve a total of 4 Questions.
5. Students need to solve ANY THREE of the remaining Five Question (Q.2 to Q.6) and shall be based on entire Syllabus.



**Swami Ramanand Teerth Marathwada University, Nanded**  
***Faculty of Humanities. Major in MILITARY SCIENCE (DSC)***  
**Under Graduate First Year Programme, Semester II**  
**Paper Code: HMILSC1151, Title: Warfare and Technology (SEC)**  
***Curriculum Details***

**Course pre-requisite:**

- Open to all

**Course objectives:**

- This paper covers a wide range of development, nature and types of weapons and their systems through ages for the easy understanding and benefit of students of Defence and strategic studies
- Aim of this paper is to evaluate the contemporary changes in warfare is especially after W.W.II and this paper focuses on changing nature of science and technology and its impact over war strategy.

**Course outcomes:**

- Student will be able to understand the new modern warfare and changing warfare technology.
- Student will be able to understand the changing dimension of war and technology.



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**Under Graduate First Year Programme, Semester II**  
**Paper Code: HMILSC1151, Title: Warfare and Technology (SEC)**  
**Curriculum Details ( for 02 Credits)**

Module No.	Unit No.	Name of the Topic	Hrs. Required to cover the contents 1 Hrs.= 60 M.
<b>1.0</b>		<b>Weapons of land Warfare</b>	<b>08</b>
	<b>1.1</b>	Small arms & Machine guns	
	<b>1.2</b>	Tanks and Armored vehicles	
	<b>1.3</b>	Kinds of Artillery guns	
<b>2.0</b>		<b>Navel weapons</b>	<b>08</b>
	<b>2.1</b>	Types of warship	
	<b>2.2</b>	Aircraft carrier	
	<b>2.3</b>	Sub marines and Torpedoes	
<b>3.0</b>		<b>Aerial weapons</b>	<b>07</b>
	<b>3.1</b>	Types of Military Aircraft	
	<b>3.2</b>	Aerial weapons & Radar	
	<b>3.3</b>	Air defense Systems	
<b>4.0</b>		<b>Nuclear and Electronic weapons systems</b>	<b>07</b>
	<b>4.1</b>	Types of Nuclear Bombs	
	<b>4.2</b>	Kinds of Missiles	
	<b>4.3</b>	Electronic weapons	
		<b>Total</b>	<b>30</b>

**Suggested Readings-**

1. Raju, S., (2002) India's National Security, Delhi, Pacific Publication.
2. Bajpai U.S., (2002) India's Security, Delhi Lancer Publishers,
3. K. Subrahmanium Ed. (1974) *Aruna Asaf Ali.*, India's Unity and Security Challenges, safeguarding the republic, Delhi, Patriot Publishers Pvt.
4. K.V. Krishnarao, (1994) Prepare or Perish, Delhi, Lancer Publication..
5. Dr.V.Y.Jadhav, (2012) Bharatachy Rashriya Surksha, Pune, Snehvardhan Prakashan.
6. Shrikant Paranjpe (ed.) (2009) *India' s Internal Security : Issues and Perspectives*, Delhi, Kalinga.

7. Roy, Kaushik, (2004) India's Historic Battles From Hydraspes to Kargil, New Delhi, Primus Books.
8. Nanda, S. P, (2004), Landmarks in Indian History, New Delhi, Dominant Publishers and Distributers.
9. Majumdar, B.N., (1963) Study of Indian Military History. Delhi, Army Educational Store.
10. Singh, Anand K., (2006) *Ethnicity and Security of India*. Allahabad: Anubhav Pub.

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1. मालीवाल, बी.एन., (2002)सैन्य विज्ञान भाग 1 व 2, चंद्र प्रकाश एण्ड ब्रदर्स, हापुड, 2002
2. सिंह, लल्लनजी, (2001)भारतीय सैन्य इतिहास एवं युद्ध के सिद्धांत, 2001
3. सिंह, अशोक कुमार, (2004) भारतीय युद्धकला का इतिहास, प्रकाश बुक डिपो, बड़ा बाजार, बरेली, 2004
4. पाण्डे, बाबूराम, (2004) सैन्य अध्ययन की पाठ्य पुस्तक, प्रकाश बुक डिपो, बड़ा बाजार, बरेली, 2004
5. जैन, पुष्पा, सम्पूर्ण सैन्य विज्ञान भाग - 1, (2000) विश्वविद्यालय प्रकाशन, ग्वालियर, म.प्र., 2000
6. भांगे सी.बी.,(2022) युद्ध आणि समकालीन युद्धपध्दती, गाझीयाबाद, उत्तरप्रदेश् स्वरांजली पब्लिकेशन,

## Distribution and Evaluation of Course Assessment

### A. Continuous Assessment (CA) (20% of Maximum Marks):

Test I	Test II	Assignment	Total (1+2+3)	Average of Marks (Colum 4/3=)
1	2	3	4	5
10	10	10	30	10

This will form 20% of the Maximum Marks and will be carried out throughout the semester. It may be done by conducting **Two Tests and One Assignment**. Average of marks scored in these two tests and one assignment of a theory paper will make CA.

### B. End Semester Assessment (80% of the Maximum Marks):

1. ESE Question paper will consists of 6 questions  
(Each of 10 Marks for 02 credit pattern)
2. Question No. 1 will be compulsory and shall be based on entire syllabus.
3. There will be 4-5 sub questions in Question No. 1
4. Students are required to solve a total of 4 Questions.
5. Students need to solve ANY THREE of the remaining Five Question (Q.2 to Q.6) and shall be based on entire Syllabus.