GHATAL RABINDRA SATABARSIKI MAHAVIDYALAYA
3-YEAR BACHELOR OF ARTS IN HUMANITIES with *DEFENCE STUDIES*
[CCFUP-NEP]

SEMESTER-I

Course Type	Course Title	Theory	Practical	IA	CA	Total
Major-A1	War and Theories of Warfare.	60		10	05	75
SEC-1	Defence Management.		40	05	05	50
Minor-C1	War and Theories of Warfare.	60		10	05	75

SEMESTER-II

Course Type	Course Title	Theory	Practical	IA	CA	Total
Major-B1	War and Theories of Warfare.	60		10	05	75
SEC-2	Basics of Defence Journalism.		40	05	05	50
Minor-C2	National Security and Indian History of War.	60		10	05	75

SEMESTER-III

Course Type	Course Title	Theory	Practical	IA	CA	Total
Major-A2	National Security and Indian History of War.	40	20	10	05	75
Major-A3	Defence Mechanism of India and Military Geography.	40	20	10	05	75
SEC-3	Logistics Management to the Indian Armed Forces.		40	05	05	50
Minor-C3	Defence Mechanism of India.	40	20	10	05	75

SEMESTER-IV

Course Type	Course Title	Theory	Practical	IA	CA	Total
Major-B2	National Security and Indian History of War.	40	20	10	05	75
Major-B3	Defence Mechanism of India and Military Geography.	40	20	10	05	75
Minor-C4	Military History and Military Geography.	40	20	10	05	75
Major Elective-1(A)	Defence Industrial Potential, Transportation and Communication System in India.	60		10	05	75

SEMESTER-V

Course Type	Course Title	Theory	Practical	IA	CA	Total
Major-A4	Weapons, Armaments, Arms Control & Disarmament.	40	20	10	05	75
Major-A5	International Terrorism.	40	20	10	05	75
Major-A6	Contemporary Issues to India's National Security.	40	20	10	05	75

Major Elective-2(A)	Science & Technology for Defence and National Security.	**60**		**10**	**05**	**75**
Minor-C5	International Terrorism.	**40**	**20**	**10**	**05**	**75**
SEMESTER-VI						
Course Type	**Course Title**	**Theory**	**Practical**	**IA**	**CA**	**Total**
Major-B4	Weapons, Armaments, Arms Control & Disarmament.	**40**	**20**	**10**	**05**	**75**
Major-B5	International Terrorism.	**40**	**20**	**10**	**05**	**75**
Major-B6	Contemporary Issues to India's National Security.	**40**	**20**	**10**	**05**	**75**
Major Elective-3(A)	International Relations.	**40**	**20**	**10**	**05**	**75**
Minor-C6	India and Her Neighbouring Countries.	**40**	**20**	**10**	**05**	**75**

GHATAL R.S. MAHAVIDYALAYA
GHATAL ★ ESTD - 1961

GHATAL RABINDRA SATABARSIKI MAHAVIDYALAYA

DEPARTMENT OF DEFENCE STUDIES

TEACHING PLAN FOR THE ACADEMIC SESSSION 2025-2026

Semester: I

Paper: Major-A1 (War and Theories of Warfare)
(CCFUP) 2023 and NEP 2020

Contents	No. of Lectures	Name of the Teacher
1. Concept, causes and Theories of war	4	Md Saniul Karim
2.Type of War: i) Conventional War: a) Limited War. b) Total War. ii) Unconventional War: a) Low Intensity. b) Guerrilla War. c) Insurgency and counter-insurgency. iii) Nuclear, Biological, Chemical War: Strategy and consequences and Remedies.	8	Md Saniul Karim
3. Principals, Operations, Strategy, Tactics and Logistics of war.	4	Md Saniul Karim
4.The Future of War: a) Globalization and its Effects. b) Concept of Escalation theories of Herman Khan. c) Concept of Jihad. d) Revolution of Military Affairs.	4	Md Saniul Karim

Semester: I

Paper: SEC-01P (Defence Management)
(CCFUP) 2023 and NEP 2020

Contents	No. of Lectures	Name of the Teacher
1.Principles of Management: motivation, communication, decision - making process; Leadership. Defence Management: Definition, Scope.	3	Md Saniul Karim

2. Defence organization – nature and structure - Line and staff organization, Pyramid hierarchy in Army, Navy and Air Force.	3	Md Saniul Karim
3. Personnel Management – Staffing: Recruitment and Training.	3	Md Saniul Karim
4. System Analysis – Qualitative management and evaluation of Defence Forces.	3	Md Saniul Karim
5. Cost Effectiveness – Force Level, Production and procurements of weapons systems and Research &Development.	3	Md Saniul Karim
Semester: I **Paper: Minor-C1 (War and Theories of Warfare)** **(CCFUP) 2023 and NEP 2020**		
Contents	**No. of Lectures**	**Name of the Teacher**
1.Concept, causes and Theories of war	4	Md Saniul Karim
2.Type of War: i) Conventional War: a) Limited War. b) Total War. ii) Unconventional War: d) Low Intensity. e) Guerrilla War. f) Insurgency and counter-insurgency. iii) Nuclear, Biological, Strategy and Chemical War: consequences and Remedies.	8	Md Saniul Karim
3. Principals, Operations, Strategy, Tactics and Logistics of war.	4	Md Saniul Karim
4.The Future of War: a) Globalization and its Effects. b) Concept of Escalation theories of Herman Khan. c) Concept of Jihad. d) Revolution of Military Affairs.	4	Md Saniul Karim
Semester: II **Paper: Major-B1 (War and Theories of Warfare)** **(CCFUP) 2023 and NEP 2020**		
Contents	**No. of Lectures**	**Name of the Teacher**

1. Concept, causes and Theories of war	4	Md Saniul Karim
2.Type of War: i) Conventional War: a) Limited War. b) Total War. ii) Unconventional War: g) Low Intensity. h) Guerrilla War. i) Insurgency and counter-insurgency. iii) Nuclear, Biological, Strategy and Chemical War: consequences and Remedies.	8	Md Saniul Karim
3. Principals, Operations, Strategy, Tactics and Logistics of war.	4	Md Saniul Karim
4.The Future of War: a) Globalization and its Effects. b) Concept of Escalation theories of Herman Khan. c) Concept of Jihad. d) Revolution of Military Affairs.	4	Md Saniul Karim

Semester: II

Paper: SEC-02P (Basics of Defence Journalism)

(CCFUP) 2023 and NEP 2020

Contents	No. of Lectures	Name of the Teacher
Unit-I: Introduction: Definition, nature and scope of Journalism - Qualifications, Duties and Responsibilities of Journalists - Journalism as a profession - Media and Society. Characteristics of Mass Media: Newspaper, Magazine, Radio, TV, Cinema. Defence Journalism: its features, Differences between Civil and Defence Journalism. Defence Writing: need. Defence Journalism – Profession. Journalistic writing, characteristics and types - news, features, articles, editorials, columns, letters to the editors & review. Code of ethics for media - brief introduction to recent trends in mass media; Cultural imperialism, Infotainment, media activism, agenda setting, gate keeping.	3	Md Saniul Karim

Unit-II: Defence News: a) Meaning and Defining Defence News, b) Kinds of sources of Defence News, c) Defence Writing Procedure.	2	Md Saniul Karim
Unit-III: Defence Reporting: a) Format languages and grammar, b) Forms – Eye witness, computer assignedfeatures, c) Concept of Graphics and Animation (Role of Modern Technology).	3	Md Saniul Karim
Unit-IV: Defence Terminology: a) Defence terms & abbreviations, b) Military terms – weapons, weapons system, c) Defence organization – Rank and Rank structure in the services in India. Structure of the Defence establishments in India.	2	Md Saniul Karim
Unit-V: Problem in Defence writing: a) Media Ethics, b) Media Laws, c) Problem in Defence writing -Political pressure, Official secrecy, etc. d) Introducing existing Defence Journals Sainik, Samachar, Trishul, Strategic digest Strategic analysis, etc.	3	Md Saniul Karim
Semester: II **Paper: Minor: C2 (National Security and Indian History of War)** **(CCFUP) 2023 and NEP 2020**		
Contents	**No. of Lectures**	**Name of the Teacher**
A. **National Security: concepts and issues**: **Unit-I:** Evolution of the concept of National Security: Objectives and Elements of National Security. Emergence of the specialist perspective of national security. Marxist concept of national security. Non-statist national security **Unit-II:** Geo-Strategic aspects of Defence and security: Factors affecting war and security – Boundary, size and shape, topography. Location, climate population. Strategic resources. Frontiers and its characteristics. Sea coasts and ports **Unit-III:** Economic aspects of Defence and security Industrial Developments and	12	Md Saniul Karim

defence. Transport and Communications. Defence Expenditure and Procurement. Science and Technology in Defence. Effects on war on economy **Unit-IV:** National security - Internal and External Problems of Internal Security and its causes. Problems of External Security – Threats from Hostile Neighboring Countries, Cross Boarder Terrorism. Foreign Policy Considerations. International Obligation for Peace and Security.		
B. Indian History of War **1.** War: Definitions, objectives, scope, causes and effects, contributions of war. **2.** Indo-Greek Art of war: Battle of Jhelum (326 B.C) **3.** Indo-Turk Art of war: Battle of Tarrain I & II (1191 & 1192 A.D.) **4.** Battle of Panipat-I (1526 A.D.) **5**. Battle of Panipat-II (1556 A.D.) **6**. Battle of Haldighat (1576 A.D.) **7.** Battle of Plassy (1757A.D.) **8.** Battle of Panipat-III (1761A.D) **9.** Battle of Chilianwala(1849AD) **10.** Battle of Assaye (1803 AD)	12	Md Saniul Karim
Semester: III **Paper: Major: A2 (National Security and Indian History of War) (CCFUP) 2023 and NEP 2020**		
A. National Security: concepts and issues: **Unit-I:** Evolution of the concept of National Security: Objectives and Elements of National Security. Emergence of the specialist perspective of national security. Marxist concept of national security. Non-statist national security **Unit-II:** Geo-Strategic aspects of Defence and security: Factors affecting war and security – Boundary, size and shape, topography. Location, climate	12	Md Saniul Karim

population. Strategic resources. Frontiers and its characteristics. Sea coasts and ports **Unit-III:** Economic aspects of Defence and security Industrial Developments and defence. Transport and Communications. Defence Expenditure and Procurement. Science and Technology in Defence. Effects on war on economy **Unit-IV:** National security - Internal and External Problems of Internal Security and its causes. Problems of External Security – Threats from Hostile Neighbouring Countries, Cross Boarder Terrorism. Foreign Policy Considerations. International Obligation for Peace and Security.		
B. Indian History of War: 1. War: Definitions, objectives, scope, causes and effects, contributions of war. 2. Indo-Greek Art of war: Battle of Jhelum (326 B.C) 3. Indo-Turk Art of war: Battle of Tarrain I & II (1191 & 1192 A.D.) 4. Battle of Panipat-I (1526 A.D.) 5. Battle of Panipat-II (1556 A.D.) 6. Battle of Haldighat (1576 A.D.) 7. Battle of Plassy (1757A.D.) 8. Battle of Panipat-III (1761A.D) 9. Battle of Chilianwala(1849AD) 10. Battle of Assaye (1803 AD)	12	Md Saniul Karim
Major A2: Practical: **1.** Prepare sand models of Battle formations of the following battles and draw sketches of the same on plain papers: **a.** Battle of Plassey, **b.** Battle of Chillianwalla, **c.** Three Battles of Panipath. **2.** News Paper clippings on securities related issues or related defense topics and a short essay on the basis of clippings to be produced. **3. Field visit**: Field visit to a place of military interests. Students will submit a field report.	06	Md Saniul Karim

4. Laboratory Note Book: Students will be required to maintain records of all works done in connection with the topics taught in this paper.		
Semester: III **Paper: Major: A3: (Defence Mechanism of India and Military Geography) (CCFUP) 2023 and NEP 2020**		
A: National Security Organisation **National policy**- Definition and objectives. National Defense Policy - Policy and Methods – National Defense policy of Post – independent India. Public information, Publicity, and propaganda. Role of Intelligence. National Security System including NSG **B. Defence Mechanism of India:** a) Organisation and administration - Ministry of Defence: Higher Defence Organizations of India - Power of the President of India in relation of Defence. Role and function of Ministry of Defence. Composition and function of Defence Committees. Chief of Staff and joint service Organization b) The Indian Defence Forces: Recruitment methods for Defence services. Important training institution of the three services. Second line of Defenses: Armed Force of the Union, - History, formation, Division, function. Paramilitary Forces: Indian Coast Guard, Assam Rifles, Special Frontier Forces. Central Armed Police Forces: CRPF, BSF, ITBP, SSB, and CISF. Other Forces: NSG, SPG, RPF. Special Forces: Para Special Force [Para (SF)], Ghatak Force, marine Commando (MARCOS), Garud Commando Force. National Cadet Corps (NCC). Territorial Army c) Organisation and administration of Defence forces – Army, Navy and Air Force. Functional Organisationof Indian Army : (1) Army : Organization of army Headquarters - Static and Field formation- infantry and Armoured Corps – Arms and Services - Artillery – Air Defence, Engineers, Signals and Military aviation – Role of ASC,EME,AMC and Engineers in Logistic management- Role of intelligence, education , legal. Weapons of Indian Army. (2) Air Force	12	Md Saniul Karim

Organization of India : Organization of Air Force Headquarters. Static and Field formation of Indian Air Force. Types of Aircrafts. (3) Navy Organization of India : Organization of Naval Headquarters . Static and Field formation of Indian Navy. Types of Warships. d) Rank Structure of the Three Services: Army, Navy and Air Force. **C: Defence Pacts and Agreements**: Pacts and Treaties – Concepts and Scope. NATO, WARSAW, CENTO, SEATO, Tashkhand treaty and Panchsheel. SAARC – economic and social Cooperation. Non- Aligned Movements (NAM). Role of SAARC and NAM in establishing world peace. India's relation with other Powers – USA, Russia, UK, France, China, India & Israel, India & BRICKS, India & Afganistan. Disarmaments – NPT, Civil Nuclear Agreements, Future Nuclear Cooperation, Pokhran I & II. **D: Military Geography:** Introduction: Meaning, nature, scope and elements of Military Geography. Role of geography in military application. Military Geography in India and defense problem. Role of geography in different warfare. Communication routes- land, sea and aerial- strategic scope. Population and Power. Evolution of Military Geography: a) History & Development. b) Founders of Military Geography - F. Ratzal,, A.T. Mahan, Sir. Halfred Mackinder, Karl Haushofer, N.J. Spykman. Applied Military Geography: Brief idea and application of a) Global Positioning System (GPS) b) Global Information System (GIS) c) Remote Sensing. **E: Map Reading** Theoretical aspects of Map Reading: Definition of Map, Introduction to types of Maps, Civil and Military Map, Conventional Signs. Scales & Grid System. Topographical forms and technical terms. Basic knowledge of Relief, Contours and Gradients. Cardinal points and Types of North. Types of		

bearings and use of Service Protractor. Prismatic compass and its use. Setting of a Map.		
Major A3: Defence Mechanism of India and Military Geography (Practical) A. Map Reading: 1. Map – civil and military 2. Concept of military maps and map index 3. Topographical sheet 4. Scales and grid system 5. Conventional sign – civil and military 6. Compass: liquid prismatic compass – uses of compass during day and night 7. Location and identification of objects from ground to map and vice-versa 8. Preparation of night march chart 9. Preparation of weather chart 10. Field sketching, eye and memory sketching 11. Determination of visibility of survey maps of hilly region by comparing gradients and section drawing methods. **B. Field reports:** Students will submit a field report based on participation in a NCC camps. **C. Field visit:** Field visit to military establishment for the demonstration of different weapons, armaments and weapon carriers. Students will submit a field report.	06	Md Saniul Karim
Semester: III **Paper: Minor-C3: (Defence Mechanism of India)** **(CCFUP) 2023 and NEP 2020**		
A: National Security Organisation: National policy- Definition and objectives. National Defense Policy - Policy and Methods – National Defense policy of Post – independent India. Public information, Publicity, and propaganda. Role of Intelligence. National Security System including NSG. **B. Defence Mechanism of India:** a) Organisation and administration - Ministry of Defence: Higher Defence Organizations of India -	12	Md Saniul Karim

Power of the President of India in relation of Defence. Role and function of Ministry of Defence. Composition and function of Defence Committees. Chief of Staff and joint service Organization b) The Indian Defence Forces: Recruitment methods for Defence services. Important training institution of the three services. Second line of Defenses: Armed Force of the Union, - History, formation, Division, function. Paramilitary Forces: Indian Coast Guard, Assam Rifles, Special Frontier Forces. Central Armed Police Forces: CRPF, BSF, ITBP, SSB, and CISF. Other Forces: NSG, SPG, RPF. Special Forces: Para Special Force [Para (SF)], Ghatak Force, marine Commando (MARCOS), Garud Commando Force. National Cadet Corps (NCC). Territorial Army c) Organisation and administration of Defence forces – Army, Navy and Air Force. Functional Organisationof Indian Army: (1) Army: Organization of army Headquarters - Static and Field formation- infantry and Armoured Corps – Arms and Services - Artillery – Air Defence, Engineers, Signals and Military aviation – Role of ASC, EME, AMC and Engineers in Logistic management- Role of intelligence, education, legal. Weapons of Indian Army. (2) Air Force Organization of India: Organization of Air Force Headquarters. Static and Field formation of Indian Air Force. Types of Aircrafts. (3) Navy Organization of India: Organization of Naval Headquarters. Static and Field formation of Indian Navy. Types of Warships. d) Rank Structure of the Three Services: Army, Navy and Air Force. **C: Defence Pacts and Agreements**: Pacts and Treaties – Concepts and Scope. NATO, WARSAW, CENTO, SEATO, Tashkhand treaty and Panchsheel. SAARC – economic and social Cooperation. Non- Aligned Movements (NAM). Role of SAARC and NAM in establishing world peace. India's relation with other Powers – USA, Russia, UK, France, China, India & Israel, India & BRICKS, India & Afganistan. Disarmaments –		

NPT, Civil Nuclear Agreements, Future Nuclear Cooperation, Pokhran I & II.		
Minor-3P: Defence Mechanism of India (Practical) **1. Field reports**: Students will submit a field report based on participation in a NCC camps. **2. Field visit:** Field visit to military establishment for the demonstration of different weapons, armaments and weapon carriers. Students will submit a field report.	06	Md Saniul Karim
Semester: III **Paper: SEC-03P (Logistics Management to the Indian Armed Forces)** **(CCFUP) 2023 and NEP 2020**		
1. Nature of Modern War- Spectrum and Tools of Conflict, Economic Resources and Industrial base. 2. Meaning, Scope and Principles of Logistic management. 3. Organisational Structure for Logistic Support. 4. Logistic Planning in war and peace times. 5. Higher direction of Defence Logistics- Procurement of goods and services, financial implications, Contract management. 6. Reforms in Logistic management.	10	Md Saniul Karim
Semester: IV **Paper: Major-B2: (Defence Mechanism of India)** **(CCFUP) 2023 and NEP 2020**		
A. National Security: concepts and issues: **Unit-I:** Evolution of the concept of National Security: Objectives and Elements of National Security. Emergence of the specialist perspective of national security. Marxist concept of national security. Non-statist national security **Unit-II:** Geo-Strategic aspects of Defence and security: Factors affecting war and security – Boundary, size and shape, topography. Location, climate population. Strategic resources. Frontiers and its characteristics. Sea coasts and ports	12	Md Saniul Karim

Unit-III: Economic aspects of Defence and security Industrial Developments and defence. Transport and Communications. Defence Expenditure and Procurement. Science and Technology in Defence. Effects on war on economy **Unit-IV:** National security - Internal and External Problems of Internal Security and its causes. Problems of External Security – Threats from Hostile Neighbouring Countries, Cross Boarder Terrorism. Foreign Policy Considerations. International Obligation for Peace and Security.		
B. Indian History of War: 1. War: Definitions, objectives, scope, causes and effects, contributions of war. 2. Indo-Greek Art of war: Battle of Jhelum (326 B.C) 3. Indo-Turk Art of war: Battle of Tarrain I & II (1191 & 1192 A.D.) 4. Battle of Panipat-I (1526 A.D.) 5. Battle of Panipat-II (1556 A.D.) 6. Battle of Haldighat (1576 A.D.) 7. Battle of Plassy (1757A.D.) 8. Battle of Panipat-III (1761A.D) 9. Battle of Chilianwala(1849AD) 10. Battle of Assaye (1803 AD)	12	Md Saniul Karim
Major B2: Practical: **1.** Prepare sand models of Battle formations of the following battles and draw sketches of the same on plain papers: **a.** Battle of Plassey, **b.** Battle of Chillianwalla, **c.** Three Battles of Panipath. **2.** News Paper clippings on securities related issues or related defense topics and a short essay on the basis of clippings to be produced. **3. Field visit**: Field visit to a place of military interests. Students will submit a field report.	06	Md Saniul Karim

4. Laboratory Note Book: Students will be required to maintain records of all works done in connection with the topics taught in this paper.		
Semester: IV **Paper: Major: B3: (Defence Mechanism of India and Military Geography) (CCFUP) 2023 and NEP 2020**		
A: National Security Organisation **National policy**- Definition and objectives. National Defense Policy - Policy and Methods – National Defense policy of Post – independent India. Public information, Publicity, and propaganda. Role of Intelligence. National Security System including NSG **B. Defence Mechanism of India:** a) Organisation and administration - Ministry of Defence: Higher Defence Organizations of India - Power of the President of India in relation of Defence. Role and function of Ministry of Defence. Composition and function of Defence Committees. Chief of Staff and joint service Organization b) The Indian Defence Forces: Recruitment methods for Defence services. Important training institution of the three services. Second line of Defenses: Armed Force of the Union, - History, formation, Division, function. Paramilitary Forces: Indian Coast Guard, Assam Rifles, Special Frontier Forces. Central Armed Police Forces: CRPF, BSF, ITBP, SSB, and CISF. Other Forces: NSG, SPG, RPF. Special Forces: Para Special Force [Para (SF)], Ghatak Force, marine Commando (MARCOS), Garud Commando Force. National Cadet Corps (NCC). Territorial Army c) Organisation and administration of Defence forces – Army, Navy and Air Force. Functional Organisationof Indian Army : (1) Army : Organization of army Headquarters - Static and Field formation- infantry and Armoured Corps – Arms and Services - Artillery – Air Defence, Engineers, Signals and Military aviation – Role of ASC,EME,AMC and Engineers in Logistic management- Role of intelligence, education , legal. Weapons of Indian Army. (2) Air Force Organization of India : Organization of Air Force	12	Md Saniul Karim

Headquarters. Static and Field formation of Indian Air Force. Types of Aircrafts. (3) Navy Organization of India : Organization of Naval Headquarters . Static and Field formation of Indian Navy. Types of Warships. d) Rank Structure of the Three Services: Army, Navy and Air Force. **C: Defence Pacts and Agreements**: Pacts and Treaties – Concepts and Scope. NATO, WARSAW, CENTO, SEATO, Tashkhand treaty and Panchsheel. SAARC – economic and social Cooperation. Non- Aligned Movements (NAM). Role of SAARC and NAM in establishing world peace. India's relation with other Powers – USA, Russia, UK, France, China, India & Israel, India & BRICKS, India & Afganistan. Disarmaments – NPT, Civil Nuclear Agreements, Future Nuclear Cooperation, Pokhran I & II. **D: Military Geography:** Introduction: Meaning, nature, scope and elements of Military Geography. Role of geography in military application. Military Geography in India and defense problem. Role of geography in different warfare. Communication routes- land, sea and aerial- strategic scope. Population and Power. Evolution of Military Geography: a) History & Development. b) Founders of Military Geography - F. Ratzal,, A.T. Mahan, Sir. Halfred Mackinder, Karl Haushofer, N.J. Spykman. Applied Military Geography: Brief idea and application of a) Global Positioning System (GPS) b) Global Information System (GIS) c) Remote Sensing. **E: Map Reading** Theoretical aspects of Map Reading: Definition of Map, Introduction to types of Maps, Civil and Military Map, Conventional Signs. Scales & Grid System. Topographical forms and technical terms. Basic knowledge of Relief, Contours and Gradients. Cardinal points and Types of North. Types of		

bearings and use of Service Protractor. Prismatic compass and its use. Setting of a Map.		
Major B3: Defence Mechanism of India and Military Geography (Practical) A. Map Reading: 1. Map – civil and military 2. Concept of military maps and map index 3. Topographical sheet 4. Scales and grid system 5. Conventional sign – civil and military 6. Compass: liquid prismatic compass – uses of compass during day and night 7. Location and identification of objects from ground to map and vice-versa 8. Preparation of night march chart 9. Preparation of weather chart 10. Field sketching, eye and memory sketching 11. Determination of visibility of survey maps of hilly region by comparing gradients and section drawing methods. **B. Field reports:** Students will submit a field report based on participation in a NCC camps. **C. Field visit:** Field visit to military establishment for the demonstration of different weapons, armaments and weapon carriers. Students will submit a field report.	06	Md Saniul Karim
Semester: IV **Paper: Minor: C4: (Military History and Military Geography) (CCFUP) 2023 and NEP 2020**		
Module -I: Military History: a. Definition, Concept, Significance to study Military history. Military system of India since Vedic era to modern India. A brief survey of the military tradition of India. Weapon, Battle dress. Kautilya's philosophy of war organization and art of war, weapons and interstate relation. War pattern and tactics in different periods in India – a comparative study. Historiography of military history of India.	12	Md Saniul Karim

b. Biographies of renowned Generals: i. Niccolo Machiavelli (1469-1527), Giulio Douhet (1869 - 1930), Jorge Smith Patton (1885-1945), Bernard Law Montogomery (1887-1976), J. E. Rommel (1891-1944) ii. Kodandera Madappa Cariappa (1899-1993), S.H.F.J. Manekshaw (1914-2008), Subrata Mukherjee (1911- 1960), Sundarilal Matharadas Nanda (1915-2009). **c. Indian Army War Heroes – PVCs.** **d. Study of the following important battles of India with its background, causes, results and its review:** Kashmir Conflict (1947), Operation of Mizo National Front (1966), Indo Pak war 1965, 1971, Operation Cactus (1988), Sri-Lanka Mission (1987-1990) & Kargil war (1999). **Module -II: Military Geography:** a) Introduction: Meaning, nature, scope and elements of Military Geography. Man and Environment. Role of geography in military application. Military geography in India and defense problem in relation thereto-role of geography in different warfare. b) Evolution of Military Geography: a) History & Development. b) Founders of Military Geography - F. Ratzal, A.T. Mahan, c) Sir. Halfred Mackinder, Karl Haushofer, N.J. Spykman **c) Inter-State relations & Geographical factors:** a) Frontiers and Boundaries of India - its meaning & differences types of borders and boundaries. b) Communication routes- land, sea and aerial-strategic scope. c) Population and Power **d) Geography and Foreign Policy of India:** **a**) India's Geo-strategic significance, b) India's borders, c) Indian Ocean territory and strategic significance.		

e) Applied Military Geography: Brief idea on a) Global Positioning System (GPS), b) Global Information System (GIS) and c) Remote Sensing.f) Theoretical aspects of Map Reading: Introduction to different types of Maps, and Conventional Signs. Scales & Grid System. Topographical Relief features, Contours and Gradients - Cardinal points and Types of North - Types of bearings and use of Service Protractor - Prismatic compass and its use. Setting a Map - finding North and own position - Map to Ground, Ground to Map - Point to Point March – use of GPS.		
Minor-C4: Military History and Military Geography (Practical) 1. Military History: a. Prepare sand models of Battle formation of the following Battles: i) Indo-Pak war of 1947, 1962, 1971, ii) Kargil war, 1999. **b. Draw sketches on plan papers of the following Battles:** i) Indo-Pak war of 1947, 1962, 1971, ii) Kargil war, 1999. 2. Map Reading: 1. Map – civil and military 2. Concept of military maps and map index 3. Topographical sheet 4. Scales and grid system 5. Conventional sign – civil and military 6. Compass: liquid prismatic compass – uses of compass during day and night 7. Location and identification of objects from ground to map and vice-versa 8. Preparation of night march chart 9. Preparation of weather chart 10. Field sketching, eye and memory sketching 11. Determination of visibility of survey maps of hilly region by comparing gradients and section drawing methods.	06	Md Saniul Karim
Semester: IV **Paper: Major Elective (MJE)-01: Defense Industrial Potential, Transportation and Communication System in India (CCFUP) 2023 and NEP 2020**		

Unit-I: Defense Industrial Potential in India: **1.** Resource – Definition, importance. Resource and its importance in national security. **2.** Role of industrialization in Defense. Effects of industrialization on economy and defense of a country. Industrialization of India and its impacts on defense. **3.** Scientific and industrial development in India since independence. Defence industries development of India since independence. Conversion of civil industries to defense industries. **4.** Strategic minerals and logistic problems of India. **5.** Defense industrial centers of India. **Unit-II: Transportation System in India:** **1.** Transportation system in Indian- concept, types. **2.** Significance and importance of transport in National Security. **3.** Development of Roadways, Railways, Airways and Naval ways. **Unit-III: Communication System in India:** **1.** Communication system in India- concepts. Significance and importance of communications in National security. **2.** Types of communications: Postal services in India, Telegraph, telephones, wireless, internet. Postal and Telecom service in Defense. **3.** Role of other communication system for defense. **4.** Media: Public information, Publicity and Propaganda and its impact on National security.	18	Md Saniul Karim
Semester: V **Paper: Major- 4A: Weapons, Armaments, Arms control & Disarmament. (CCFUP) 2023 and NEP 2020**		
A. Weapons and Armaments: **1.** Evolution of arms and armaments in art of war. **2.** Modern weapons – **a.** Assault Rifles – INSAS, AK-47, AK-103 **b.** Sniper Rifles- Vidhwansak, Barrett m95 **c.** Machine Guns- INSAS, LMG **d.** Artillery- Bofors 155mm Howitzer, M777 Howitzer, Dhanush Artillery gun	12	Md Saniul Karim

e. Missile- Brahmos, Nag, Akash, Prithvi **f.** UAVs- Searcher MK11, Heron, Nishant, Netra, skylark **g.** Aircraft-HAL Dhruv, Mi-17, CH-47 Chinok **h.** Tank- Arjun, T-90S Bhishma **3. Weapon Carriers:** Characteristics, mechanisms of operation, fire power and military importance of following: Land war weapon carrier, Naval war weapon carrier, Air war weapon carrier, Strategic transport aircraft, Tactile transport aircraft. Military Glider, Military Helicopter Fighter airplane, Bomber, Fighter-Bomber Airplane. **4. Weapons of Mass Destruction:** Chemical & Biological Weapons: concept, characteristics and, uses. Nuclear weapons: Nuclear Command Authority in India. Strategic forces command, Indian land based nuclear armed ballistic missile, Indian Sea based nuclear armed ballistic missiles, Nuclear armed cruise missiles. Air Defense: Brief idea. **B. Arms control and Disarmament:** **1.** Introduction; Definition of arms control, Arms limitations, Arms reduction and Arms trade; Differences between Arms control, Arms limitations, Arms reduction and Arms trade; Nature and Scope of arms control and Disarmament; Efforts towards Disarmament from Treaty of Westphalia to World War – II **2.** UN and Disarmament: Efforts towards the formation of the UNO. UN's Perception on Disarmament and Arms control. Major efforts till the Disarmament decade. Causes and failures. Disarmament Efforts – Success story. **3.** Disarmament efforts by other Bodies- a. NAM b. Nuclear Free Zones c. Efforts of India		

Major -A4: Weapons, Armaments, Arms control & Disarmament (Practical) **1.** Demonstrate following arms small arms: 0.22 Rifles. 0.303 Rifle, 7.62 Self Loading Rifles (SLR), Indian Small Arms System (INSAS) 5.56 mm Rifle, Light Machine Gun (LMG), Sten Machine Carbine. Modern Submachine Carbine (MSMC), Pistol & Revolvers. No 36 HE Grenade, 2inch Morter. Artillery Gun, Air Defense Gun, Indian Field gun 105 mm., Multiple Rocket Launchers. Students will be required to draw Labeled sketch and explain the important stages of mechanism of the above weapons. **2.** Students will be required to draw sectional diagrams showing the parts connected with the mechanisms of movements and firing of the following armaments: Tanks, Air craft - Fighters, Bombers, Transport, Helicopters. Naval Ships - Frigates, Destroyers, Submarine and Torpedo. **3. Project Report:** Preparation of Project Report out of the data collected from field visit t to different defense establishment and geo-strategic areas of importance.	06	Md Saniul Karim
Semester: V **Paper: Major- 5A: International Terrorism. (CCFUP) 2023 and NEP 2020**		
Unit I: Terrorism, Meaning, Concept, Philosophy and Historical Perspective. **Unit II:** Causes of Terrorism: Social, Economic, Political and Religious. **Unit III:** International Terrorism, State Terrorism and State-sponsored Terrorism Context. **Unit IV:** Terrorism and National Security, Strategy for fighting against Terrorism.	12	Md Saniul Karim
Major -A5: International Terrorism. Practical:	06	Md Saniul Karim

1. Paper Clippings on Security related Issues and a Case Study Report thereon. **2. Field Visit:** Field Visit to a Place/Unit having importance on National Security and Strategic Defence. **3. Laboratory Note Book:** Sand Model on Human Security/ Illegal Migration/Organised Crime. **4.** Educational Tours and Its Reports.		
Semester: V **Paper: Major-6A: Contemporary Issues to India's National Security.** **(CCFUP) 2023 and NEP 2020**		
Unit -1 **National Security:** **i)** Meaning **ii)** Definition **iii)** Concept **iv)** Nature & Scope **Unit -2** **Challenges to Indian Armed Forces:** **i)** Aspects of India's National Security Problems **ii)** Various types of challenges and its application to Indian Armed Forces iii) Role of awareness about the role of Indian Armed Forces **Unit- 3** **Contemporary Issues – case studies:** **i)** Kashmir Issue **ii)** McMahon Line **iii)** Terrorism **iv)** Indian Ocean **v)** Naxalism **vi)** Siyachin **vii)** Tamil Problem.	14	Md Saniul Karim
Major A6: Practical **Project Work:** **i)** Project submission related to contemporary issues. **ii)** Interview with Indian Armed Forces Serviceman/Ex-Serviceman.	04	Md Saniul Karim
Semester: V **Paper: MJE-02T: Science & Technology for Defence and National Security.** **(CCFUP) 2023 and NEP 2020**		

A. Science, technology for Defence and National Security: **1.** Military Technology - Introduction to Military Technology - its relevance to National Security. **2.** Warfare and Technology: Introduction, concept, historical evolution of warfare, evolution of science & technology, synergy of warfare and science & technology. **3.** Science & technology and its Scope: (a) S&T – applications - Military, Non-military, and Dual usage. (b) Industrial revolution & new technologies- IC- Engine, Radio, Electricity, (c) Emerging Technologies- Introduction to emerging technologies - Energy, Electronics, Computers, nanotech and Artificial Intelligence, Material Science, Biotechnology, Transportation and vehicle technology, nuclear science, Oceanography, Space technology. Emerging technologies & warfare - (a) Information Technology and communication warfare. (b) Robotics and Cyber war. (c) R M A - revolution in military affairs. **4.** Application of technologies to: i. Armament and Weapon systems - Weapons Technology & Warfare - (a) Weapons of Land Warfare- types of arms and armaments & artillery. (b) Naval Weapons- types of ships, aircraft carrier, submarines, torpedeo. (c) Aerial War Weapons- types of aircrafts, missiles, satellites, radars. ii. Missile Technology. iii. Communications and Radar technology, iv. Electronic Warfare and Information Warfare. v. RNBC Warfare and Nuclear Energy, vi. Intelligence, vii. Logistics (transport, supplies, inventory, medical, repair, clothing and equipment), viii. Border Management. **5.** Impact of developing technologies on Military Doctrine and conduct of warfare. **6.** Application of new technologies for internal security, disaster management, training and administration.	18	Md Saniul Karim

7. Non-military use of modern technologies and their impact on National Security (Power and energy, Trade, Economy, Banking, Media etc). **8.** Weapons Technology and India- (a) Pioneering institutions and its contributions. (b) S & T policy of India. (c) D R D O - its role in weapons development.		
Semester: V **Paper: Minor- C5: International Terrorism. (CCFUP) 2023 and NEP 2020**		
Unit I: Terrorism, Meaning, Concept, Philosophy and Historical Perspective. **Unit II:** Causes of Terrorism: Social, Economic, Political and Religious. **Unit III:** International Terrorism, State Terrorism and State-sponsored Terrorism Context. **Unit IV:** Terrorism and National Security, Strategy for fighting against Terrorism.	12	Md Saniul Karim
Major -A5: International Terrorism. Practical: **1.** Paper Clippings on Security related Issues and a Case Study Report thereon. **2. Field Visit:** Field Visit to a Place/Unit having importance on National Security and Strategic Defence. **3. Laboratory Note Book:** Sand Model on Human Security/ Illegal Migration/Organised Crime. **4.** Educational Tours and Its Reports.	06	Md Saniul Karim
Semester: VI **Paper: Major- 4B: Weapons, Armaments, Arms control & Disarmament. (CCFUP) 2023 and NEP 2020**		
A. Weapons and Armaments: **1.** Evolution of arms and armaments in art of war. **2.** Modern weapons – **a.** Assault Rifles – INSAS, AK-47, AK-103 **b.** Sniper Rifles- Vidhwansak, Barrett m95	12	Md Saniul Karim

c. Machine Guns- INSAS, LMG **d.** Artillery- Bofors 155mm Howitzer, M777 Howitzer, Dhanush Artillery gun **e.** Missile- Brahmos, Nag, Akash, Prithvi **f.** UAVs- Searcher MK11, Heron, Nishant, Netra, skylark **g.** Aircraft-HAL Dhruv, Mi-17, CH-47 Chinok **h.** Tank- Arjun, T-90S Bhishma **3. Weapon Carriers:** Characteristics, mechanisms of operation, fire power and military importance of following: Land war weapon carrier, Naval war weapon carrier, Air war weapon carrier, Strategic transport aircraft, Tactile transport aircraft. Military Glider, Military Helicopter Fighter airplane, Bomber, Fighter-Bomber Airplane. **4. Weapons of Mass Destruction:** Chemical & Biological Weapons: concept, characteristics and, uses. Nuclear weapons: Nuclear Command Authority in India. Strategic forces command, Indian land based nuclear armed ballistic missile, Indian Sea based nuclear armed ballistic missiles, Nuclear armed cruise missiles. Air Defense: Brief idea. **B. Arms control and Disarmament:** **1.** Introduction; Definition of arms control, Arms limitations, Arms reduction and Arms trade; Differences between Arms control, Arms limitations, Arms reduction and Arms trade; Nature and Scope of arms control and Disarmament; Efforts towards Disarmament from Treaty of Westphalia to World War – II **2.** UN and Disarmament: Efforts towards the formation of the UNO. UN's Perception on Disarmament and Arms control. Major efforts till the Disarmament decade. Causes and failures. Disarmament Efforts – Success story. **3.** Disarmament efforts by other Bodies- a. NAM b. Nuclear Free Zones c. Efforts of India		

Major -B4: Weapons, Armaments, Arms control & Disarmament (Practical) **1.** Demonstrate following arms small arms: 0.22 Rifles. 0.303 Rifle, 7.62 Self Loading Rifles (SLR), Indian Small Arms System (INSAS) 5.56 mm Rifle, Light Machine Gun (LMG), Sten Machine Carbine. Modern Submachine Carbine (MSMC), Pistol & Revolvers. No 36 HE Grenade, 2inch Morter. Artillery Gun, Air Defense Gun, Indian Field gun 105 mm., Multiple Rocket Launchers. Students will be required to draw Labeled sketch and explain the important stages of mechanism of the above weapons. **2.** Students will be required to draw sectional diagrams showing the parts connected with the mechanisms of movements and firing of the following armaments: Tanks, Air craft - Fighters, Bombers, Transport, Helicopters. Naval Ships - Frigates, Destroyers, Submarine and Torpedo. **3. Project Report:** Preparation of Project Report out of the data collected from field visit t to different defense establishment and geo-strategic areas of importance.	06	Md Saniul Karim
Semester: VI **Paper: Major- 5B: International Terrorism. (CCFUP) 2023 and NEP 2020**		
Unit I: Terrorism, Meaning, Concept, Philosophy and Historical Perspective. **Unit II:** Causes of Terrorism: Social, Economic, Political and Religious. **Unit III:** International Terrorism, State Terrorism and State-sponsored Terrorism Context. **Unit IV:** Terrorism and National Security, Strategy for fighting against Terrorism.	12	Md Saniul Karim
Major -B5: International Terrorism.	06	Md Saniul Karim

Practical: **1.** Paper Clippings on Security related Issues and a Case Study Report thereon. **2. Field Visit:** Field Visit to a Place/Unit having importance on National Security and Strategic Defence. **3. Laboratory Note Book:** Sand Model on Human Security/ Illegal Migration/Organised Crime. **4.** Educational Tours and Its Reports.		
Semester: VI **Paper: Major-6B: Contemporary Issues to India's National Security. (CCFUP) 2023 and NEP 2020**		
Unit -1 **National Security:** **i)** Meaning **ii)** Definition **iii)** Concept **iv)** Nature & Scope **Unit -2** **Challenges to Indian Armed Forces:** **i)** Aspects of India's National Security Problems **ii)** Various types of challenges and its application to Indian Armed Forces iii) Role of awareness about the role of Indian Armed Forces **Unit- 3** **Contemporary Issues – case studies:** **i)** Kashmir Issue **ii)** McMahon Line **iii)** Terrorism **iv)** Indian Ocean **v)** Naxalism **vi)** Siyachin **vii)** Tamil Problem.	14	Md Saniul Karim
Major A6: Practical **Project Work:** **i)** Project submission related to contemporary issues. **ii)** Interview with Indian Armed Forces Serviceman/Ex-Serviceman.	04	Md Saniul Karim
Semester: VI **Paper: MJE-03T Major Elective -3T: International Relations**		

(CCFUP) 2023 and NEP 2020		
Unit I: Introduction to the Understanding of International Relations, Theories and Approaches. **Unit II:** Diplomacy and Foreign Policy: Theoretical Background, Contemporary Issues in Indian Context. **Unit III:** International Relation of India with its Neighbouring Countries (Pakistan, Bangladesh, Nepal, Sri Lanka, Bhutan and China) **Unit IV:** End of Cold War and Emergence of New World Order (after 9/11/2001)	12	Md Saniul Karim
MJE-03 P: Practical: **1.** Strategic Maps of India: India and her Neighbouring Countries; India and Indian States and Union Territories with Capital, Strategic Raw Materials, Defence Industries and Atomic Reactors. **2.** Short Presentation/ Lecture. **3.** Records. **4.** VIVA VOCE.	06	Md Saniul Karim
Semester: VI **Paper: Minor-C6: India and Her Neighbouring Countries.** **(CCFUP) 2023 and NEP 2020**		
Unit I: India and her Neighbouring Countries: Study of Geo-Strategic Factors Relating to Pakistan, China, Bangladesh, Nepal, Bhutan, Myanmar, Maldives, and Sri Lanka. **Unit II: Emergence of Pakistan as an Independent State:** Pakistan's foreign and Defence Policies to India; Recent Trends of Bilateral Relations between Bangladesh and India. **Unit III: Emergence of China and Global Power Policies:**	12	Md Saniul Karim

Political System in China, Ethnic Composition of China; Recent Trends of Bilateral Relations between China. **Unit IV: Emergence of Bangladesh as an Independent State.** Strategic Relations of India with Bangladesh; Recent Trends of Bilateral Relations between Bangladesh. **Unit V: Strategic Relations of India:** Strategic Relations of India with Nepal, Bhutan, Myanmar, Maldives and Sri Lanka; The issue of Immigration and Infiltration.		
Minor-C6: Practical: **1.** Strategic Maps of India and her Neighbours with identification of and Special emphasis on Strategic Geographical locations, boundaries, Cities, Transport and Communication, Strategic Raw Materials, Defence Industries and Atomic Reactors, National Anthem, Symbol, Flower, Language, Culture and Customs. **2.** Short Presentation/ Lecture **3.** Records **4.** Viva Voce	06	Md Saniul Karim