



Faculty of Humanities and Social Sciences

Scheme of Examination and Syllabus for Under Graduate Programme

**Under Multiple Entry and Exit, Internship and
CBCS-LOCF as per NEP-2020
w.e.f. session 2024-25 (in phased manner)**

Subject: Defence Studies



**Guru Jambheshwar University of Science & Technology
Hisar-125001, Haryana**

(A+ NAAC Accredited State Govt. University)



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Name of the Programme: Bachelor of Arts

Scheme of Examination & Syllabus for affiliated Degree Colleges for UG Programme

According to National Education Policy-2020

Subject: Defence Studies

SEMESTER-III								
Type of Course	Course Code	Nomenclature of Paper/Course	Credits	Contact Hours	Internal Marks	External Marks	Total Marks	Duration of Exam (Hrs.)
Discipline Specific Course	C24DEF301T	Evolution of Indian Military System-II, Basics of Operational Exercises-III	3	3	20	50	70	2.5
	C24DEF301P	Evolution of Indian Military System-II, Practical-Basics of Operational Exercises-III Lab	1	2	10	20	30	2
Minor Course/ Vocational Course	C24MIC305T	Economic Aspects of National Security, Practice of Civil Defence & Disaster Management	3	3	20	50	70	2.5
	C24MIC305P	Economic Aspects of National Security, Practice of Civil Defence & Disaster Management Lab	1	2	10	20	30	2
Multidisciplinary Course	C24MDC308T	Area Study of Western Boundary States & W. Bengal	3	3	25	50	75	2.5
Skill Enhancement Course	C24SEC305P	Practice of Military Geography Lab	3	6	25	50	75	3
SEMESTER-IV								
Type of Course	Course Code	Nomenclature of Paper/Course	Credits	Contact Hours	Internal Marks	External Marks	Total Marks	Duration of Exam (Hrs.)
Discipline Specific Course	C24DEF401T	National Security-Conceptual Aspects, Basics of Operational Exercises-IV	3	3	20	50	70	2.5
	C24DEF401P	National Security-Conceptual Aspects, Basics of Operational Exercises-IV Lab	1	2	10	20	30	2
Minor Course/ Vocational Course	C24VOC405T	Area Study of North-East India, Practice of NE India	2	2	15	35	50	2
	C24VOC405P	Area Study of North-East India, Practice of NE India Lab	2	4	15	35	50	4
Value Added Course	C24VAC413T	Leadership (as Military Perspective)	2	2	15	35	50	2

Program Outcomes:

- PO1** Upon completion of the programme of Bachelor's in Defence and Strategic Studies, a student should have acquired basic competency in strategic affairs covering a wide spectrum of interstate security to global security issues including non-kinetic dimensions.
- PO2** Shall develop capability in understanding the implications of use and threat of use of force in international relations.
- PO3** Shall seek, identify and apply the acquired knowledge in Defence and strategic studies on contemporary issues of strategic relevance.

Defence Studies
Evolution of Indian Military System-II,
Basics of Operational Exercises-III
Discipline Specific Course (DSC) (Semester III)

Course Code: C24DEF301T
45 Hrs. (3 Hrs./Week)
Credit : 3
Exam Time: 2.5 Hrs

External Marks :50
Internal Marks :20
Total Marks: 70

Note: The maximum time duration for attempting the paper will be of 2.5 hours. The examiner is required to set seven questions in all. The first question will be compulsory consisting of five short questions covering the entire syllabus consisting of 2.5 marks each. In addition to that six more questions will be set, two questions from each unit. The students shall be required to attempt four questions in all selecting one question from each unit in addition to compulsory Question No. 1. All questions shall carry equal marks i.e. 12.5 marks.

Objectives: *Basically, the underlying idea was to trade space for time initially to allow for equipping and training the formations, and to achieve the requisite buildup to turn the tide after completing preparations. It was easy for the as the traded space was in alien lands.*

Unit - I

Macedonian and Indian Military Organisations and techniques of fighting with particular reference to the Battle of Hydaspes, 326 B.C.: Opposing forces and their deployment, Analysis (strategy, tactics, application of principles of war and causes of defeat and victory);

Military organisations and techniques of fighting of Rajputs and Turks with particular reference to the Battle of Tarain, 1192 A.D.: Opposing forces and their deployment, Analysis (strategy, tactics, application of principles of war and causes of defeat and victory).

Unit - II

Military organisations of Marathas under Shivaji and his techniques of fighting: Shivaji as a military leader, Military organization, Techniques of fighting.

Afghan-Maratha Warfare with particular reference to the Third Battle of Panipat, 1761 A.D.: Introduction - Opposing forces and their deployment; Description of the battle, Analysis (Strategy, tactics, application of principles of war and causes of defeat and victory);

Anglo-Maratha Warfare with particular reference to the Battle of Assaye, 1803 A.D.: Introduction - Opposing forces and their deployment; Description of the battle, Analysis (Strategy, tactics, application of principles of war and causes of defeat and victory).

Unit - III

Military organisations of British under the East India Company and the Crown, their key features and reforms.

Battle of Plassey : Introduction - Opposing forces and their deployment; Description of the battle, Analysis (Strategy, tactics, application of principles of war and causes of defeat and victory).

Revolt of 1857 A.D. Causes, main events, effects, reasons for the failure and the centers of revolt in Haryana

Evolution of Indian Military System-II,
Basics of Operational Exercises-III Lab (Semester III)

Course Code: C24DEF301P
30 Hrs. (2 Hrs./Week)
Credit : 1
Exam Time: 2 Hrs

External Marks :20
Internal Marks :10
Total Marks: 30

- Relief Features and their representation on the map.
- Types of slopes and their representation on the map
- Gradient – Determination of gradients.
- Inter visibility – Determination of inter visibility in case of rise or fall of slope.

Books Suggested:

1. Alfred, David (1953) *Indian Art of War*, Atma Ram, Delhi.
2. Bajwa F.S., (1964) *Military System of the Sikhs*, Moti Lal, Banarsi Dass, Delhi.
3. Bruce, George, (1969) *Six Battles of India*, Rupa & Company, Calcutta.

4. Das, S.T., (1969) *Indian Military - Its History and Development*, Sagar, New Delhi.
5. Dikshitar, Ramachandra V. R. (1999) *War in Ancient India*. Cosmo, New Delhi.
6. Majumdar, B.K., (1960) *Military System in Ancient India*, Firma K.L. Mukhopadhyay, Calcutta.
7. Majumdar, B.N., (1963) *Study of Indian Military History*. Army Educational Store, Delhi.
8. Roy, Kaushik, (2004) *From Hydaspes to Kargil: A History of Warfare in India from 326 BC to AD 1999*. Manohar, New Delhi.
9. Singh, Sarva Daman. (1997) *Ancient Indian Warfare: With Special Reference to the Vedic Period*. Motilal Banarsidass, New Delhi.
10. Kangle, R.P., (1963) *Kautilya's Arth Shastra*, University of Bombay, Mumbai.

Course Outcome:

At the end of the course, the students would be able to:

- CO1 Become familiar in evolution of art of warfare in India;
 CO2 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.
 CO3 Besides, in a position to appreciate and understand evolutionary changes in the art and science of war in India through ages.
 CO4 Understand the tactics of battles in detail.
 CO5 Conduct experiments and tests related with Defence Studies.

Mapping of CO with PO

Outcomes	PO1	PO2	PO3
CO1	S	M	M
CO2	M	M	M
CO3	S	M	W
CO4	S	M	W
CO5	M	M	M

S= Strong M=Medium W=Weak

Defence Studies
Economic Aspects of National Security,
Practice of Civil Defence & Disaster Management
Minor Course (MIC) Semester III

Course Code: C24MIC305T
45 Hrs. (3 Hrs./Week)
Credit : 3
Exam Time: 2.5 Hrs.

External Marks :50
Internal Marks :20
Total Marks: 70

Note: The maximum time duration for attempting the paper will be of 2.5 hours. The examiner is required to set seven questions in all. The first question will be compulsory consisting of five short questions covering the entire syllabus consisting of 2.5 marks each. In addition to that six more questions will be set, two questions from each unit. The students shall be required to attempt four questions in all selecting one question from each unit in addition to compulsory Question No. 1. All questions shall carry equal marks i.e. 12.5 marks.

Objectives: *The objective is to provide students with a comprehensive understanding of how economic factors are both a foundation for and a tool of national security, enabling them to analyze current events and policy decisions through this critical lens.*

Unit - I

Defence Economics: Meaning, Definition, Nature and Scope;
Defence and Development: Concept and its implications for India; Economic Warfare.

Unit - II

Effects of War on National Economy;
Assessment of War Potential (Resources of War) of a nation;
Mobilization of Resources for War with reference to Physical, Fiscal and Moral Mobilization.

Unit - III

Importance of Logistics in War;
Defence Planning, Programming and Budgeting in India.

Economic Aspects of National Security,
Practice of Civil Defence & Disaster Management Lab
Minor Course (MIC) Semester III

Course Code: C24MIC305P
30 Hrs. (2 Hrs./Week)
Credit : 1
Exam Time: 2 Hrs

External Marks :20
Internal Marks :10
Total Marks: 30

- Impact of Disasters on Economy.
- Civil Defence Measures
- Various Civil Defence Services
- Symbols of Traffics; Warning Signs
- Traffic Police and Hand Signals
- Types of Disasters; Role of Students/Youths in Disasters or in Emergency situation
- Social Awareness.

Books Suggested:

1. Ghosh, A. K., (1996) *India's Defence Budget and Expenditure Management in wider Context*, Lancer, New Delhi.
2. Clark, J.J., (1996) *The New Economics of National Defence*, Random House.
3. Jack, D.T., (1940) *Studies in Economic Warfare*, PS King & Sons, London.
4. Jalan, B. (2000) *India's economic policy- preparing for 21st century*, Penguin, New Delhi.
5. Knor, Klaus, (1962) *War Potential of the Nations*, Princeton University Press.
6. Mathews, Ron, (1998) *Defence production in India*, ABC Publishers, New Delhi.
7. Sandler T., Hartley K, (1995) *The Economics of Defence*, Cambridge University Press.
8. Singh Jasjit, (2001) *India's Defence Spending*, Knowledge World, New Delhi.
9. Subramanyam, K, (1972) *Perspective in Defence Planning*, Abhinav Publications, New Delhi.
10. Subramanyam, K, (1973) *Defence and Development*, Minerva, Calcutta.

Course Outcome:

At the end of the course the students would be able to:

- CO1 Mutual complementarities of economics and security would be learnt through this course.
CO2 Also students learn the art of mobilizing resources for war, be it physical, fiscal or moral; and.
CO3 The importance of Logistics in War and the role of Defence Planning, Programming and Budgeting in India.
CO4 Understand the economic warfare.

Mapping of CO with PO

Outcomes	PO1	PO2	PO3
CO1	S	M	S
CO2	W	W	M
CO3	S	M	W
CO4	M	S	W

S= Strong M=Medium W=Weak

Defence Studies
Area Study of Western Boundary States & W. Bengal
Multi-Disciplinary Course (MDC) Semester III

Course Code: C24MDC308T
45 Hrs. (3 Hrs./Week)
Credit : 3
Exam Time: 2.5 Hrs

External Marks :50
Internal Marks :25
Total Marks: 75

Note: The maximum time duration for attempting the paper will be of 2.5 hours. The examiner is required to set seven questions in all. The first question will be compulsory consisting of five short questions covering the entire syllabus consisting of 2.5 marks each. In addition to that six more questions will be set, two questions from each unit. The students shall be required to attempt four questions in all selecting one question from each unit in addition to compulsory Question No. 1. All questions shall carry equal marks i.e. 12.5 marks.

Objectives: *The course study helps the applicants to pick up adequate Military education in its Historical as well as Geographical areas. As the student's gains awareness on war and its related issues, they can assist government in strategic policy development (to tackle those problems).*

Unit – I

Trends in History and Factors behind the Emergence of the State; Physical and Demographic Characteristics: Gujarat, Rajasthan, Punjab, West Bengal.

Unit - II

Resources and Economic Developments in Gujarat, Rajasthan, Punjab, West Bengal; Religious conflict in these states.

Unit – III

Border Management: Agencies involved (BSF, Army etc.), fencing, integrated check posts.

Security challenges: Cross-border terrorism, infiltration, smuggling (narcotics, arms, cattle), human trafficking, maritime security (Gujarat context).

Books Suggested:

- Suchitra Vijayan, (2021), *Midnight's Borders: A People's History of Modern India*.
- Dhananjay Tripathi, *Re-imagining Border Studies in South Asia*
- Dr. Pushpita Das, *India's approach to Border Management from Barriers to Bridges*.
- Deshpande, Anirudh, *The First Line of Defence: Glorious 50 years of the Border Security Force*, New Delhi: Shipra, 2015.
- Enhancing Trade and Regional Economic Integration between India and Bangladesh: Phase I*, Kolkata: CUTS International, 2012.
- Ganguly, Sumit, *Conflict Unending, India-Pakistan Tensions since 1947*, New York: Columbia University Press, 2001.
- Garver, John W., *The Territorial Dispute*, in *Protracted Contest, SinoIndian Rivalry in the Twentieth Century*, Seattle: University of Washington Press, 2001.
- Ghosal, Soma, *The Politics of Drugs and India's Northeast*, Kolkata: MAKAIS, 2003.
- Ghosh, Partha S., *Cooperation and Conflict in South Asia*, Delhi: Manohar, 1989.
- Das, Gautam, *Securing India's Borders: Challenges and Policy Options*, New Delhi: Pentagon Press, 2011.
- Schendel, Willem van, *The Bengal Borderland, beyond State and Nation in South Asia*, London: Anthem Press, 2005.
- Valer, Elisabeth (ed.), *Borders, Fences and Walls: States of Insecurity*, Farnham: Ashgate, 2014.

Course Outcome:

At the end of the course the students would be able to:

- CO1 Student will be able to understand deeply the history of emergence of Western Border States of India.
 CO2 To understand about the physical and demographic characteristics of Border States.
 CO3 Student will be able to understand economic, political and conflict issues of Border States.
 CO4 Understand the ethnic groups.

Mapping of CO with PO

Outcomes	PO1	PO2	PO3
CO1	M	M	M
CO2	W	W	M
CO3	S	S	W
CO4	M	M	W

S= Strong M=Medium W=Weak

Defence Studies
Practice of Military Geography Lab
Skill Enhancement Course (SEC) Semester III

Course Code: C24SEC305P
90 Hrs. (6 Hrs./Week)
Credit : 3
Exam Time: 3 Hrs.

External Marks :50
Internal Marks :25
Total Marks: 75

Objectives: *The objective of the course is not just to understand what military geography is, but to learn how to do it – how to use geographic knowledge and tools effectively to enhance situational awareness, support planning and contribute to the success of military objectives.*

Practicals

- Geographical Information System (GIS);
- Global Positioning System (GPS);
- Demarcation of Principal Point, Conjugate Principal Point and Flight line of aerial photograph;
- Interpretation & Application of Remote Sensing for Military uses.

Books Suggested:

1. Das, S.T., “Geo-Strategic”, Allahabad, Kitab Mahal, 1985.
2. Jayant Baranwal: S.P’s *Military year book*: New Delhi, Guide Publishers.
3. John Ericson (1966):- *The Military Technical revolution: Its impact on strategy and foreign policy*: New York, Frederic A Prager.
4. G.D. Bakshi, *War in 21st century*, (Delhi, Lancer Publisher, 1997).
5. Thomas & Hammas, *On War in the 21st Century*, (Delhi, Manas Publications, 2004).
6. Sali, Dr. M L, *Military Geography*, Manas Publications, New Delhi, 2009.
7. Black, Jeremy, Cambridge Illustrated Atlas, (1996) *Warfare, Renaissance to Revolution: 1492-1792*, Cambridge University Press, Cambridge.
8. Chandler, David G., (1996) *Atlas of Military Strategy: The Art, Theory and Practice of War, 1618-1878*, Arms and Armour London.
9. William D Puleston, (1939) *The Life and Work of Alfred Thayer Mahan*, U.N.S. (New-Haven, CT,).

Course Outcome:

At the end of the course the students would be able to:

- CO1 Learn the concepts and relevant attributes of geo politics and military geography for national security.
- CO2 Concept and difference between Frontiers and Boundaries, its various types; and
- CO3 They shall be able to comprehend strategic policies for a nation state and most especially India in our case.
- CO4 Understand map reading, interpretation and creation.

Mapping of CO with PO

Outcomes	PO1	PO2	PO3
CO1	S	M	M
CO2	W	S	S
CO3	M	S	W
CO4	M	W	M

S= Strong M=Medium W=Weak

Defence Studies
National Security-Conceptual Aspects,
Basics of Operational Exercises-IV
Discipline Specific Course (DSC) Semester IV

Course Code: C24DEF401T
45 Hrs. (3 Hrs./Week)
Credit : 3
Exam Time: 2.5 Hrs

External Marks :50
Internal Marks :20
Total Marks: 70

Note: The maximum time duration for attempting the paper will be of 2.5 hours. The examiner is required to set seven questions in all. The first question will be compulsory consisting of five short questions covering the entire syllabus consisting of 2.5 marks each. In addition to that six more questions will be set, two questions from each unit. The students shall be required to attempt four questions in all selecting one question from each unit in addition to compulsory Question No. 1. All questions shall carry equal marks i.e. 12.5 marks.

Objectives: *Basically, providing a theoretical and practical grounding in the core concepts and evolution of nation security, including the elements and challenges of national security and the relationship between domestic and foreign policy.*

Unit – I

National Security: Conceptual Aspects;
Elements of National Security: Geography, Mineral, resources, Social, political and economic factors, Scientific and technological development, Military preparedness.

Unit - II

Challenges to National Security: Internal Challenges, External Challenges Contemporary;
Security environment in the world in brief.

Unit - III

Military Alliances and their role in 21st century;
Small arms Proliferation, Weapons of Mass Destruction (WMD) proliferation.

National Security-Conceptual Aspects,
Basics of Operational Exercises-IV Lab
Discipline Specific Course (DSC) Semester IV

Course Code: C24DEF401P
30 Hrs. (2 Hrs./Week)
Credit : 1
Exam Time: 2 Hrs

External Marks :20
Internal Marks :10
Total Marks: 30

- Rank structure of the three services;
- Study and description of ground;
- Judging distance;
- Section formation;
- Patrolling.

Books Suggested:

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

Course Outcome:

At the end of the course the students would be able to:

- CO1 Develop core competencies in national security affairs by building his/her capacity on essentials of National Security through theory and practice.
- CO2 Understand the national security challenges both internal and external a country face; and
- CO3 Understand the Contemporary security environment in the world.

Mapping of CO with PO

Outcomes	PO1	PO2	PO3
CO1	M	S	S
CO2	S	M	S
CO3	S	W	W

S= Strong

M=Medium

W=Weak

Defence Studies
Area Study of North-East India, Practice of NE India
Minor/Vocational Course (MIC/VOC) Semester IV

Course Code: C24VOC405T
30 Hrs. (2 Hrs./Week)
Credit : 2
Exam Time: 2 Hrs

External Marks :35
Internal Marks :15
Total Marks: 50

Note: The maximum time duration for attempting the paper will be of 2 hours. The examiner is required to set five questions in all. The first question will be compulsory consisting of five short questions covering the entire syllabus consisting of 3 marks each. In addition to that four more questions will be set, two questions from each unit. The students shall be required to attempt Four questions in all selecting one question from each unit consisting of 10 marks each in addition to compulsory Question No. 1.

Objectives: *The objective of this course is to analyzing socio-cultural diversity and to understand the geopolitical importance of the North-East as a frontier region and a bridge to neighboring countries and Southeast Asia..*

Unit - I

Trends in History and Factors behind the Emergence of the State;
 Physical and Demographic Characteristics: Assam, Manipur, Tripura, Arunachal Pradesh, Meghalaya, Nagaland, Mizoram.

Unit - II

Resources and Economic Developments in North-East India;
 Social and Political Structure of North-East India; Ethnic conflicts in North-East India.

Area Study of North-East India, Practice of NE India Lab
Minor/Vocational Course (MIC/VOC) (Semester IV)

Course Code: C25DEF405P
60 Hrs. (4 Hrs./Week)
Credit : 2
Exam Time: 4 Hrs

External Marks :35
Internal Marks :15
Total Marks: 50

- Physical and Demographic Map of Assam, Manipur;
- Physical and Demographic Map of Tripura, Arunachal Pradesh;
- Physical and Demographic Map of Meghalaya, Nagaland & Mizoram;
- Economic Map of North-East India;
- Ethnic Map of North-East India.

Books Suggested:

1. JV. Nunchunga, (2015), *Development Scenario of Mizoram-A Multidimensional Approach*, Mittal Publications, New Delhi.
2. Rajesh Verma, (2010), *History of North East India*, Mittal Publications, New Delhi.
3. Singh, R.L. (1971), *India: A Regional Geography*, National Geographical Society, India, Varanasi.
4. Sen S.K. (2000): *Military Technology and Defence Industrialization: New Delhi*, Manas Publishers.

Course Outcome:

At the end of the course the students would be able to:

- CO1 Students deeply understand the history of emergence of North East States of India.
- CO2 To create understanding about the physical and demographic characteristics of North East India.
- CO3 Students will be able to understand economic, political and social structure of North East India.
- CO4 Students will be able to understand the magnitude of ethnic conflict of North East Insurgency.

Mapping of CO with PO

Outcomes	PO1	PO2	PO3
CO1	S	M	S
CO2	W	W	M
CO3	S	M	W
CO4	M	S	W

S= Strong

M=Medium

W=Weak

Defence Studies
Leadership (as Military Perspective)
Value Added Course (VAC) Semester IV

Course Code: C24VAC413T
30 Hrs. (2 Hrs./Week)
Credit : 2
Exam Time: 2 Hrs

External Marks :35
Internal Marks :15
Total Marks: 50

Note: The maximum time duration for attempting the paper will be of 2 hours. The examiner is required to set five questions in all. The first question will be compulsory consisting of five short questions covering the entire syllabus consisting of 3 marks each. In addition to that four more questions will be set, two questions from each unit. The students shall be required to attempt Four questions in all selecting one question from each unit consisting of 10 marks each in addition to compulsory Question No. 1.

Objectives: *The aim of this paper is to understand military leadership and strategic leadership.*

Unit - I

Introduction to Military Leadership

- Meaning and definition
- Attributes
- Characteristics of military leadership

Unit - II

Introduction to Strategic Leadership

- Meaning and definition
- Significance of strategic leadership
- The principles of armed forces leadership

Books Suggested:

1. Aswathappa, (2007) Organisational Behaviour, Himalaya Publishing House, Mumbai
2. Fred Luthans, Organizational Behaviour, (2007) Tata McGraw-Hill Publishing Co., New Delhi.
3. Robbins, Stephen P, (1996) Organisational Behaviour, 9th Edition, Prentice Hall of India, New Delhi.

Course Outcome:

At the end of the course the students would be able to:

- CO1 Know the concept of strategic and military leadership styles.
- CO2 Learn the importance of team building and management.
- CO3 Military leadership and the principles of armed forces leadership besides, understanding the decision making processes at various points.

Mapping of CO with PO

Outcomes	PO1	PO2	PO3
CO1	S	M	M
CO2	M	M	M
CO3	S	M	W

S= Strong M=Medium W=Weak