



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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Scheme of Examination & Syllabus for affiliated Degree Colleges for UG Programme
According to National Education Policy-2020

Subject: Defence Studies

SEMESTER-I								
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	C24DEF101T	Conceptual Aspects of War, Basics of Operational Exercises-I	3	3	20	50	70	2.5
	C24DEF101P	Conceptual Aspects of War, Practical-Basics of Operational Exercises-I Lab	1	2	10	20	30	2
Minor Course/ Vocational Course	C24MIC105T	Introduction to Defence Studies	2	2	15	35	50	2
Minor Course/ Vocational Course [#]	C24MIN105T	Introduction to Defence Studies	4	4	30	70	100	3
Multidisciplinary Course	C24MDC108T	Introduction to Military History	3	3	25	50	75	2.5
Skill Enhancement Course	C24SEC105T	Study of Terrorism	3	3	25	50	75	2.5
SEMESTER-II								
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	C24DEF201T	Evolution of Indian Military System, Basics of Operational Exercises-II	3	3	20	50	70	2.5
	C24DEF201P	Evolution of Indian Military System, Basics of Operational Exercises-II Lab	1	2	10	20	30	2
Minor Course/ Vocational Course	C24MIC205T	Public and Private Security Management	2	4	15	35	50	2
Minor Course/ Vocational Course [#]	C24MIN205T	Public and Private Security Management	4	4	30	70	100	3
Multidisciplinary Course	C24MDC208T	Introduction to Military Studies	3	3	25	50	75	2.5
Skill Enhancement Course	C24SEC205T	Defence Journalism	3	3	25	50	75	2.5

[#] for Scheme C only

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
Conceptual Aspects of War, Basics of Operational Exercises-I(Semester I)
Discipline Specific Course (DSC)

Course Code: C24DEF101T
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 of the course is to develop understanding of the concept and the various dimensions war and his legality..*

Unit - I

War - Definition and meaning and basic concepts – Understanding various causes of War.
Basic Concepts - War, Campaign, Battle, Strategy, Tactics, Security and Defence.

Unit - II

Modern Warfare: Concept and definition. Features of Modern Warfare.
Principles of warfare. Psychological Warfare.

Unit - III

Guerrilla Warfare: Origin and concept.
Principles, techniques and characteristics of guerrilla warfare. Counter guerrilla measures by Government and Security Forces. Definition, concept and history. Functions and Limitations

Conceptual Aspects of War, Basics of Operational Exercises-ILab

Course Code: C24DEF101P
30 Hrs. (2 Hrs./Week)
Credit : 1
Exam Time: 2 Hrs.

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

- Maps: Definition and Features; Classification and its utility for Military; Enlargement and reduction of Maps.
- Conventional Signs: Military and Geographical
- GRID System: Four Figure and Six figure Map References.
- North: Types of North and finding out True North; The Pole Star Method; 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.

Books Suggested:

1. Andreski S., (1968) Military Organization and Society, Univ. California Press, Berkeley.
2. Anthony James Joes, (1996) Guerrilla Conflict before the Cold War, Praeger Publishers.
3. Aron R, (1966) Peace and War: A Theory of International Relations, Praeger, New York.
4. Barringer R, (1972) War: Patterns of Conflict, MIT Press, Cambridge, Mass.
5. Blainey G., (1973) The Causes of War, Macmillan, London.
6. Montgomery Viscount, (1983) A History of Warfare, William Morrow & Co, New York.
7. Mukherji and ShyamLal, (1952) ATextbook of Military Science, Vol.II., Navayuga, New Delhi.
8. Osanka, F.M, (1962) Modern Guerrilla Warfare, Free Press of Glencoe, New York.
9. Sidhu, K.S, (1988) War and Its Principles, Atlantic, New Delhi.
10. Tripathi, K.S, (1970) Evolution of Nuclear Strategies, Vikas, New Delhi.

Course Outcome:

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

- CO1 Clearly understand the definition, meaning and basic concepts of war.
- CO2 Understand the concept and features of modern warfare and its principles.
- CO3 Comprehend the concept, principles and techniques of guerrilla warfare along with Counter guerrilla measures by Government and Security Forces.
- CO4 Grasp the concept and theories of psychological warfare 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
Introduction to Defence Studies (Semester I)
Minor Course (MIC)

Course Code: C24MIC105T

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 three 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 Defence Studies is empowering students with knowledge and skills for thinking and analysis to navigate the real world problems, security issues and contribute to society a helping and meaningful way.*

Unit - I

Defence Studies: Concept, Scope, and Importance.

Defence Studies: Its relation with other disciplines –Geography, Economics, Political Science, History, Psychology and Sociology.

Unit - II

Meaning and Concept of War.

Principles of War. ABC Warfare (Atomic, Biological and Chemical); Defence Mechanism of India. Global Peace & Security Issues. International Organizations

Books Suggested:

1. Clausewitz, Carl Von (1972) *Principal of War*” Army Publication New Delhi.
2. Fuller,” J.F.C. (1992) *the Conduct of War: 1789-1961: A Study of the Impact of the French, Industrial, and Revaluations on War and Its Conduct*, Publisher: Da Capo Press.
3. Nanda, Col. Ravi, (1987) *Evolution of National Strategy*. South Asia Books; 1st edition.
4. Singh, Lallanji, (2003) *Art of War in India, 1947 up to date (Hindi)*. Parkash Books Depot, Bareilly.
5. Singh, Major Jodh, *War Its Principles Tactics and Strategies*, (Defence Studies-II) Surjeet Publications.

Course Outcome:

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

- CO1 Understand the concept, scope and significance of Defence Studies and its relations with other disciplines.
- CO2 Understand the meaning, concept and Principles of War.
- CO3 Understand the meaning of Atomic, Biological and Chemical warfare and the Defence Mechanism of India.
- CO4 Understand issues related to global peace and security
- CO5

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
Introduction to Defence Studies (Semester I)
Minor Course (MIN)

Course Code: C24MIN105T
60 Hrs 4 Hrs/Week)
Credit : 4
Exam Time: 3 Hrs

External Marks : 70
Internal Marks : 30
Total Marks: 100

Note: The maximum time duration for attempting the paper will be of 3 hours. The examiner is required to set five questions in all. The first question will be compulsory consisting of Seven short questions covering the entire syllabus consisting of 2 marks each. In addition to that Eight 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 14 marks each in addition to compulsory Question No. 1.

Objectives: *The objective of Defence Studies is empowering students with knowledge and skills for thinking and analysis to navigate the real world problems, security issues and contribute to society a helping and meaningful way.*

Unit - I

Defence Studies: Concept, Scope, and Importance.

Defence Studies: Its relation with other disciplines –Geography, Economics, Political Science, History, Psychology and Sociology.

Unit - II

Meaning and Concept of War.

Principles of War. Selection and maintenance of aim, Morale, Surprise, Principal of Attack and Defence etc.

Unit - III

ABC Warfare (Atomic, Biological and Chemical); Defence Mechanism of India.

Unit IV

Global Peace & Security Issues. International Organizations

Books Suggested:

- Clausewitz, Carl Von (1972) Principal of War” Army Publication New Delhi.
- Fuller,” J.F.C. (1992) the Conduct of War: 1789-1961: A Study of the Impact of the French, Industrial, and Revaluations on War and Its Conduct, Publisher: Da Capo Press.
- Nanda, Col. Ravi, (1987) Evolution of National Strategy. South Asia Books; 1st edition.
- Singh, Lallanji, (2003) Art of War in India, 1947 up to date (Hindi). Parkash Books Depot, Bareilly.
- Singh, Major Jodh, War Its Principles Tactics and Strategies, (Defence Studies-II) Surjeet Publications.

Course Outcome:

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

- CO1 Understand the concept, scope and significance of Defence Studies and its relations with other disciplines.
- CO2 Understand the meaning, concept and Principles of War.
- CO3 Understand the meaning of Atomic, Biological and Chemical warfare and the Defence Mechanism of India.
- CO4 Understand issues related to global peace and security. Mapping of CO with PO

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
Introduction to Military History (Semester I)
Multi-Disciplinary Course (MDC)

Course Code: C24MDC108T

45 Hrs. (3Hrs./Week)

Credit : 3

Exam Time: 2.5Hrs.

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

Military History of Ancient India; Warrior System in Ancient India; Armies in Ancient Age; Military Ethos

Unit - II

Military History of Medieval India; Maurya and Gupta Armies; Establishment of the Delhi Sultanate; Military System of the Mughals

Unit – III

Military History of the Colonial Era Colonial Era and the Indian Sepoy Battles Fought in the Colonial Era
 Revoltof1857andReforms in the Indian Army
 Indian Army in World War I & II
 Illustrate the contribution of Indian troops in World War I and World War II
 Recognize the sacrifices of Indian Army Victoria cross winners in World II

Books Suggested:

1. Dikshitar, Ramachandra V. R (1999) War in Ancient India. Cosmo, New Delhi.
2. Roy, Kaushik, (2004) From Hydrases to Kargil: A History of War fare in India from 326BC to AD 1999. Manohar, New Delhi.
3. Roy,Kaushik(2011,War,Culture and Society in Early Modern SouthAsia,1740–1849, Routledge.
4. Roy, Kaushik Ed., (2011) The Indian Army in the Two World Wars Brill.
5. Singh, Sarva Daman (1997) Ancient Indian Warfare: With Special Reference to the Vedic Period. Motilal Banarsidas, New Delhi.

Course Outcome:

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

- CO1 Understand the military history of Ancient India.
- CO2 Understand the military history of Medieval India
- CO3 Understand the military history of British India
- CO4 Understand the role of Indian Army in World war I and II.

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
Study of Terrorism (Semester I)
Skill Enhancement Course (SEC)

Course Code: C24SEC105T

45 Hrs. (3 Hrs./Week)

Credit : 3

Exam Time: 2.5Hrs.

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 objective of the course is to study terrorism, its aims and forms, with a particular focus on counter-terrorism and the measures implemented by the international community and individual states.*

Unit – I

Terrorism: Meaning, Concept, Ideologies, Aims and Motivations.

Causes of Terrorism: Social, Economic, Political and Religious.

Unit – II

International Terrorism: Meaning, Concept, Ideologies, Aims and Motivations.

Unit – III

Major Terrorist Groups: Regional and Global Perspective; Financing of Terrorism: Sources, Methods and Channels.

Terrorism and National Security, Strategies of Combating Terrorism.

Books Suggested:

- David J. Whittaker (eds.) (2012), The Terrorism Reader, Routledge: New York.
- Gupta, D. K. (2008), Understanding terrorism and political violence: The life cycle of birth, growth, transformation, and demise, London: Routledge.
- Hocking, J. & C. Lewis (eds.) (2007), Counter-terrorism and the Post-democratic State, UK: Elgar Publishing.
- Hoffman, Bruce (2006), Inside Terrorism, New York: Columbia University Press.
- Laquer, W. (1998), Origins of terrorism: Psychologies, ideologies, theologies, states of mind, U.S.: Woodrow Wilson Center Press.
- Mockaitis, T. R. (2007), The "new" terrorism: myths and reality, U.S.: Stanford University Press.
- Martin, G. (2013), Essentials of terrorism: Concepts and controversies, London: Sage Publications.
- O'Day, A. (eds.) (2004), Dimensions of terrorism (Vol. 1), VT: Ashgate Publication Limited.
- Richardson, L. (2013), The roots of terrorism: an overview, Routledge: New York.
- Weimann, Gabriel & Conrad Winn (1994), The Theatre of Terror: Mass Media & International Terrorism, New York: Longman.
- Byman, Daniel (2005), Deadly Connections: States that Sponsor Terrorism, UK: Cambridge University Press.
- Colarik, A. M. (2006), Cyber terrorism: political and economic implications, New Zealand: IGI Global.
- Freilich, Joshua (eds.) (2006), Migration, Culture Conflict, Crime and Terrorism, London: Routledge.
- Krueger, Alan B (2008), What Makes a Terrorist: Economics & the Roots of Terrorism, NJ: Princeton University Press.
- Kumar, Anand (2012), The Terror Challenge in South Asia and Prospect of Regional Cooperation, New Delhi: Pentagon Security International.

Course Outcome:

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

- CO1 Understand the concept, ideologies and causes of terrorism
- CO2 Understand the meaning and types of International terrorism.
- CO3 Gain academic insight into major academic groups and the sources, methods and channels of terrorism.
- CO4 Understand the strategies of combating terrorism.

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

Course Code: C24DEF201T

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

Military System in Vedic Period Military System of Ramayana Period. Military System of Mahabharata Period.

Unit - II

Kautilya's Philosophy of War.

Maurya Military System as described by Greek historians.

Unit - III

Hindu Military System during the age of Gupta.

Hindu Military System during the age of Harsh.

Sikh Military System under Dal Khalsa and Battle of Sobraon 1846 A.D. Historical Background and Rise of Autonomous State Bharatpur. Role of Maharaja Suraj Mal

Evolution of Indian Military System, Basics of Operational Exercises-II Lab

Course Code: C24DEF201P

30 Hrs. (2 Hrs./Week)

Credit : 1

Exam Time: 2 Hrs.

External Marks :20

Internal Marks :10

Total Marks: 30

1. Bearing: Definition, Interconversion of Bearing in detail.
2. Liquid Prismatic Compass (LPC): Features and functions of its various parts: Attempt following exercise on the LPC: To determine magnetic north; Setting of the Map.
3. To find out the bearing of a point from other point situated on the ground.
4. To determine one's and enemy's position on the map by resection and intersection methods with the help of compass.

Books Suggested:

1. Dikshitar, Ramachandra V. R. (1999) War in Ancient India. Cosmo, New Delhi.
2. Gustav Oppert, (1967) Weapons, Army Organisation and Political Maxims of Ancient Hindus, R.F Patel Rajratan Press, Ahmedabad.
3. Roy, Kaushik, (2004) From Hydaspes to Kargil: A History of Warfare in India from 326 BC to AD 1999. Manohar, New Delhi.
4. Roy, Kaushik (2011) War, Culture and Society in Early Modern South Asia, 1740–1849, Routledge.
5. Roy, Kaushik Ed., (2011), The Indian Army in the Two World Wars Brill.
6. Singh, Sarva Daman. (1997) Ancient Indian Warfare: With Special Reference to the Vedic Period. Motilal Banarsidass, New Delhi.

Course Outcome:

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

- | | |
|-----|--|
| CO1 | Understand the Military system in Vedic, Ramayana and Mahabharata period. |
| CO2 | Understand Kautilya's philosophy of war along with military system of the Mauryas. |
| CO3 | Understand the Hindu military system during the age of the Guptas and Harsha. |
| CO4 | Understand the Sikh military system under Dal Khalsa along with the rise of the autonomous state of Bharatpur. |
| CO5 | Conduct experiments and tests related with Defence Studies. |

Mapping of CO with PO

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

S= Strong

M=Medium

W=Weak

Defence Studies
Public and Private Security Management (Semester II)
Minor Course (MIC)

Course Code: C24MIC205T

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 three questions in all selecting one question from each unit consisting of 10 marks each in addition to compulsory Question No. 1.

Objectives: *The goal of security management procedures is to provide a foundation for an organization's cyber security strategy. The information and procedures developed as part of security management processes will be used for data classification, risk management, and threat detection and response.*

Unit - I

Public Sector Security Management Systems: National Security by Defence Forces.

Internal Security by Central Armed Police Forces.

Law and Order Security by Police.

Special Security Services: Personal Security, Event Security, Product Security, Coastal Security, Rail Security

Unit - II

Private Sector Security Management Systems:

Security in Public places: Security of Banks, Hotels, Hospitals, Malls. Security in Factories, Commercial Areas, Residential Locations.

Legal Basis for Public/Private Sectors Security Management: Defence Services CAPF Police Acts PSA (Regulation) Act

Books Suggested:

1. Dempsey, J.S. (2010). Introduction to Private Security. United States: Cengage Learning.
2. Fay, J. (2010). Contemporary Security Management. United States: Elsevier Science.
3. Gallati, R.R. J.(1983). Introduction to Private Security. United States: Prentice-Hall.
4. Meerts, C.A. (2019). Corporate Investigations, Corporate Justice and Public-Private Relations: Towards a New Conceptualisation. Germany: Springer International Publishing.
5. Nemeth, C.P. (2017). Private Security: An Introduction to Principles and Practice. United States: Taylor & Francis.
6. Nemeth, C. (2011) Private Security and the Law. Netherlands: Elsevier Science.
7. Nemeth, C.P.P. (2016). Home land Security: An Introduction to Principles and Practice, Third Edition. United States: Taylor & Francis.
8. Ortmeier, P. (1998). Public Safety and Security Administration. United Kingdom: Elsevier Science.
9. Zalewski, D.T. (2019). An Introduction to Operational Security Risk Management. United States: Xlibris AU.

Course Outcome:

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

- CO1 Understand the functioning of public sector security management systems.
- CO2 Understand the functioning of private sector security management systems.
- CO3 Understand the functioning of special security services.
- CO4 Understand the legal basis of security management of public and private sectors.

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
Public and Private Security Management (Semester II)
Minor Course (MIC)

Course Code: C24MIN205T
60 Hrs 4 Hrs/Week)
Credit : 4
Exam Time: 3 Hrs

External Marks : 70
Internal Marks : 30
Total Marks: 100

Note: The maximum time duration for attempting the paper will be of 3 hours. The examiner is required to set five questions in all. The first question will be compulsory consisting of Seven short questions covering the entire syllabus consisting of 2 marks each. In addition to that Eight 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 14 marks each in addition to compulsory Question No. 1.

Objectives: *The goal of security management procedures is to provide a foundation for an organization's cyber security strategy. The information and procedures developed as part of security management processes will be used for data classification, risk management, and threat detection and response.*

Unit - I

Public Sector Security Management Systems: National Security by Defence Forces.
 Internal Security by Central Armed Police Forces.

Unit II

Law and Order Security by Police.
 Special Security Services: Personal Security, Event Security, Product Security, Coastal Security, Rail Security

Unit - III

Private Sector Security Management Systems:
 Security in Public places: Security of Banks, Hotels, Hospitals, Malls. Security in Factories, Commercial Areas, Residential Locations.

Unit IV

Legal Basis for Public/Private Sectors Security Management: Defence Services CAPF Police Acts PSA (Regulation) Act

Books Suggested:

1. Codes of Ethics for Private Security Management and Private Security Employees. (1976). United States: Advisory Council.
2. Dempsey, J. S. (2010). Introduction to Private Security. United States: Cengage Learning.
3. Fay, J. (2010). Contemporary Security Management. United States: Elsevier Science.
4. Gallati, R. R. J. (1983). Introduction to Private Security. United States: Prentice-Hall.
5. Meerts, C. A. (2019). Corporate Investigations, Corporate Justice and Public-Private Relations: Towards a New Conceptualisation. Germany: Springer International Publishing.
6. Nemeth, C. P. (2017). Private Security: An Introduction to Principles and Practice. United States: Taylor & Francis.
7. Nemeth, C. (2011). Private Security and the Law. Netherlands: Elsevier Science.
8. Nemeth, C. P. P. (2016). Homeland Security: An Introduction to Principles & Practice, Third Edition. United States: Taylor & Francis.
9. Ortmeier, P. (1998). Public Safety and Security Administration. United Kingdom: Elsevier Science.
10. Zalewski, D. T. (2019). An Introduction to Operational Security Risk Management. United States: Xlibris AU.

Course Outcome:

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

- CO1 Understand the functioning of public sector security management systems.
- CO2 Understand the functioning of private sector security management systems.
- CO3 Understand the functioning of special security services.
- CO4 Understand the legal basis of security management of public and private sectors.

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
Introduction to Military Studies (Semester II)
Multi-Disciplinary Course (MDC)

Course Code: C24MDC208T

45 Hrs. (3 Hrs./Week)

Credit : 3

Exam Time: 2.5Hrs.

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 objective of the course is to study terrorism, its aims and forms, with a particular focus on counter-terrorism and the measures implemented by the international community and individual states.*

Unit – I

Concept and Evolution of Military Studies
 Importance of Military Studies Contemporary
 Need of Military Studies

Unit - II

Basic Structure and Role of the Armed Forces: Armed Forces
 Special Forces
 Para Military Forces

Unit – III

Security and Geo-Strategy Geo-Politics; Maritime Security
 Indian Armed forces: Weapons and War Equipment; Modernization of the Indian Armed Forces

Books Suggested:

1. Adhikari, S. (2016). Military Thinking of Ancient India. India: Pentagon Press.
2. Blout, Brian (2012) Global Geostrategic: Mackinder and the Defence of the West. UK: Taylor & Francis.
3. Gray, Colin S., Geoffrey Sloan, (2014) Geopolitics, Geography and Strategy. UK: Taylor & Francis.
4. Heuser, B. (2022). War: A Genealogy of Western Ideas and Practices. United Kingdom: Oxford University Press.
5. Huidekoper, F. L. (1904). Military Studies. United States: Hudson-Kimberly Publishing Company.
6. Kunju, N. (1998). Free India's Army: Problems at 50. India: Reliance Publishing House.
7. McNicholas, M. (2016). Maritime Security: An Introduction. United Kingdom: Elsevier Science.
8. Otto, Lisa (2020) Global Challenges in Maritime Security: An Introduction. Germany: Springer International Publishing.
9. Pandey, B. K., Hiranandani, G. M., Verma, B. (2008). Indian Armed Forces. India: Lancer Publishers & Distributors.
10. Prasad, R. (2010). Complete Book on Indian Armed Forces. India: Cybe Tech Publications.
11. Singh, K.K. (2017) Reality and Belief of Indian Military Affairs: K.K. Publications.
12. Singh, P. K. R. (2012). Coastal Security: Maritime Dimensions of India's Homeland Security. India: Vij Books India Private Limited.

Course Outcome:

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

- CO1 Understand the concept, evolution and importance of military studies.
- CO2 Comprehend the basic structure and role of armed forces.
- CO3 Understand the concept of geo-politics and maritime security.
- CO4 Understand the types of war equipment used by armed forces along with the issue of modernization of Indian armed forces.

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
Defence Journalism (Semester II)
Skill Enhancement Course (SEC)

Course Code: C24SEC205T

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 aim of DCC is to bring media and military closer and enable a pool of journalists at all levels to have better appreciation of the Armed Forces and are cognizant of the domain when reporting on stories relating to the maritime environment.*

Unit – I

Defence Journalism – Concept, Meaning and Features.
Differences between Civil Journalism & Defence journalism.
Definition/Kinds/Sources of Defence News.
Defence Writing Procedure.

Unit - II

Defence Reporting: Format languages and grammar. Forms – Eyewitness, Computer assigned features.
Concept of Graphics and Animation (Role of Modern Technology).
War Front Reporting,

Unit – III

Defence Terminology: Defence Terms & Abbreviations. Military terms – Weapons, Weapons system.
Defence Organization – Rank and Rank structure in the services in India.
Media Ethics and Laws. Problem in Defence Writing – Political Pressure Official Secrecy – etc.

Books Suggested:

1. Allan, Stuart & Barbie Zelizer (ed) (2004) Reporting War: Journalism in Wartime, Publisher Routledge; 1st edition. Paperback.
2. Bhatt, S.C. (2005) Practical Journalism, Aavishkar. Jaipur.
3. Chatterjee, R.K, (1973) Mass Communication, National Book Trust. New Delhi.
4. Dhara, R, (1945) Journalism, Industry Publishers. Calcutta.
5. Narayanan, Varun Dev (2021) Defence Journalism, Publisher: Sumith Enterprises; 1st edition.
6. Saxena, Sangeeta (1997) Defence Journalism in India, Manas Publications.
7. Seib, Philip, Piers Robinson, Romy Fröhlich(ed), (2020) Routledge Handbook of Media, Conflict and Security. Paperback.

Course Outcome:

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

- CO1 Understand the concept, meaning and features of Defence Journalism.
- CO2 Understand the format and forms of Defence reporting.
- CO3 Understand Defence terminology, military terms and rank structure in Defence services.
- CO4 Comprehend the problems in Defence writing along with media ethics and laws.

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
CO5	S	S	S

S= Strong

M=Medium

W=Weak



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)



Guru Jambheshwar University of Science and Technology
Hisar-125001, Haryana
(‘A+’ NAAC Accredited State Govt. University)



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



Guru Jambheshwar University of Science and Technology
Hisar-125001, Haryana
(‘A+’ NAAC Accredited State Govt. University)



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-V								
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	C24DEF501T	National Security of India	3	3	20	50	70	2.5
	C24DEF501P	National Security of India lab	1	2	10	20	30	2
Minor Course/ Vocational Course	C24VOC505T	Maritime Security of India	2	2	15	35	50	2
	C24VOC505P	Maritime Security of India Lab	2	4	15	35	50	2
SEMESTER-VI								
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	C24DEF601T	Science and Technology in Welfare	3	3	20	50	70	2.5
	C24DEF601P	Science and Technology in Welfare Lab	1	2	10	20	30	2
Minor Course/ Vocational Course	C24MIC605T	Conflict Resolution and Peace Building	4	3+1	30	70	100	3
Minor Course/ Vocational Course	C24VOC605T	Human Rights and Humanitarians Laws	2	2	15	35	50	2
	C24VOC605P	Human Rights and Humanitarians Laws Lab	2	4	15	35	50	4

Defence Studies
National Security of India
Discipline Specific Course (DSC) Semester-V

Course code: C24DEF501T
45 Hrs (3Hrs/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 nine questions in all. The first question will be compulsory consisting of five short questions covering the entire syllabus consisting of 2 marks each. In addition to this, eight more questions will be set, two questions from each unit. The students shall be required to attempt five questions in all selecting one question from each unit consisting of 10 marks each in addition to compulsory Question No.1.

Unit-I

Evolution of National Security Concept in India in 20th Century and beyond
Indian National Power and its elements and National Interest of India

Unit-II

Geo Strategic Location of India on World Map
India's External and Internal Security Threats
Indian Ocean and its role in India's Security and India's Maritime Policy in 21st century.

Unit-III

India's Defence Policy : Objectives and Formulation since 1947
India's Nuclear Policy : Principles, objectives and Formulation

Unit-IV

Kashmir Problem and India Pakistan Relations.
Nuclear Policy of Pakistan and its impact on India's Security.
India's Security Problems related to China

Defence Studies
National Security of India Lab
Discipline Specific Course (DSC) Semester-V

Course code: C24DEF501P
30 Hrs (2Hrs/Week)
Credit: 1
Exam Time: 2 Hrs

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

Course Content

1. Ground cover, camouflage, concealment and observations
2. Military message writing
3. Fire control order
4. Application of fire
5. Verbal order
6. Battle procedure
7. Political map of India

Books Suggested:

1. Kumar, Satish, National Security-2, Readers Paradise, New Delhi
2. Mishra, S.K., National Defence and Security, Modern Publishers, Jalandhar
3. Pandey, R.S., National Security and International Relations, Parkash Book Depot, Bareilly
4. Singh, Ramkrishan, National Security, Sharda Pustak Bhawan, Allahabad
5. Kumar, Satish, Defending India, Readers Paradise, New Delhi
6. Kumari, Sudesh, Conflict and Cooperation in South Asia, Readers Paradise, New Delhi
7. Siwach R.S. & Kumar, Satish, Indian Ocean and India's Maritime Security, Readers Paradise, New Delhi
8. Kumar, Satish, India's Security Problems, (English) Readers Paradise, New Delhi
9. Kumar, Satish, India's Security Problems, (Hindi) Readers Paradise, New Delhi

Course Outcome:

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

CO1: become familiar in evolution of art of security concerns in India.

CO2: learn and understand the India's internal and external security problems.

CO3: Understand the security policies of India.

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

Defence Studies
Maritime Security of India
Minor Course/Vocational Course (VOC) Semester-V

Course code: C24VOC505T
30 Hrs (2 Hrs/Week)
Credits: 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 this, four more questions will be set, two questions from each unit. The students shall be required to attempt three questions in all selecting one question from each unit consisting of 10 marks each in addition to compulsory Question No.1.

Unit-I

Maritime Security of India: Maritime boundary, Maritime zones, Maritime routes & islands territories
Strategic importance of Indian Ocean in India's Maritime Security
Indian Maritime Capabilities: Naval Strength

Unit-II

India's Maritime interest in the Indian Ocean
Indian Maritime Policy in 21st century
China's intervention in the Indian Ocean and its impact on India's Maritime Security.

Defence Studies
Maritime Security of India Lab
Minor Course/Vocational Course (VOC) Semester-V

Course Code: C24VOC505P
60Hrs. (4Hrs./Week)
Credits: 2
Exam Time: 2 Hrs.

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

Course Content

- Detailed study of an Infantry Platoon
- Study of Field Craft
- Military Appreciation of a situation.
- Sand Model
- Platoon in Attack
- Ambush
- Maritime map of India

Books Suggested:

1. Abraham, Sazi, China's Role in the Indian Ocean, Viz Books, New Delhi
2. Mishra, R.N. *Indian Ocean and India's Security*, Mittal Publication, New Delhi
3. Chaudhry, Rahul Rai, India's Maritime Security, Knowledge World, New Delhi
4. Siwach, R.S. & Kumar, Satish, Indian Ocean and India's Maritime Security, Readers Paradise, New Delhi.
5. Bhasin, V.K., Super Power Rivalry in the Indian Ocean, S. Chand.
6. Sugandha, Evolution of India's Maritime Policy, Decent Books, Nazafgarh Road, New Delhi
7. Pandey, H.K., String of Pearls and China, Sumit Enterprises, New Delhi
8. Kumar, Parveen, China ki gherabandi ki Strategy evam Bharat ki Suraksha Chunautiyan, Readers Paradise, New Delhi.
9. Singh, K.R., Maritime Security for India, New Century Publication, New Delhi.
10. Pavithran, K.S., Foreign Policy and Maritime Security of India, New Century Publication, New Delhi

Course Outcome:

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

CO1: maritime security would be learnt through this course.

CO2: learn about the threats to Maritime Security of India

CO3: the importance of Indian Ocean in India's Maritime Security.

CO4: understand the role of Navy and Coast Gaurds in Maritime Security of India.

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
Science and Technology in Warfare
Discipline Specific Course (DSC) Semester -VI

Course Code: C24DEF601T
45 Hrs (3 Hrs/Week)
Credits: 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 nine questions in all. The first question will be compulsory consisting of five short questions covering the entire syllabus consisting of 2 marks each. In addition to this, eight more questions will be set, two questions from each unit. The students shall be required to attempt five questions in all selecting one question from each unit consisting of 10 marks each in addition to compulsory Question No.1.

Objectives: *The objective is to provide students with a comprehensive understanding of how science and technological factors are affected to national security. Science and technology change the nature of war. The students would be able to understand the technical aspect of Defence & Security.*

Unit-I

Science and Technology: Definition, Concept and importance in Warfare
Emerging Technology and its impact on Warfare
DRDO and its importance in India's Security

Unit-II

Space Technology, GPS, GIS and National Security
Remote Sensing and National Security.
Cyber Security

Unit-III

Information Technology and National Security
Revolution in Military Affairs
Artificial Intelligence and National Security

Unit-IV

Science and Technology Policy of India
Transfer of Defence Technology: Dual use and critical technologies and their impact on National Security.
Social media and its impact on National Security.

Defence Studies
Science and Technology in Warfare Lab
Discipline Specific Course (DSC) Semester-V

Course code: C24DEF601P
30 Hrs (2Hrs/Week)
Credit: 1
Exam Time: 2 Hrs

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

Course Content

1. Role of GPS in Defence
2. GIS and National Security
3. Remote sensing and National Security
4. Cyber Security
5. Artificial Intelligence and National Security

Books Suggested:

1. Singh, Lallan Ji, Science and Technology in Relation to Warfare (Hindi)2025, Parkash Book Depot, Bareilly
2. Kumar, Satish, Role of Science and Technology in National Security, (Hindi)2024, Readers Paradise, New Delhi
3. Samir K. Sen, Military Technology and Defence Industrialization, (New Delhi, Manas Publication, 2000).
4. Thomas & Hammas, On War in the 21st Century, (Delhi, Manas Publications, 2004).
5. Michael O. Hanlon, Technology Change and the Future of Warfare, (New Delhi, Manas Publication, 2005).
6. R.K. Suri, T.N. Chhabra, Cyber Crime, (New York, Pentagon Press, 2004).
7. G.D. Bakshi, War in 21st century, (Delhi, Lancer Publisher, 1997).
8. Lal A.K. (2003):- Space warfare and Military strategy. (An Indian Perspective): New Delhi, USI of India.

9. Kumar, Satish, *Defending India : The Path of Self Reliance in Defence Manufacturing*, Readers Paradise, New Delhi

Course Outcome:

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

- CO1 Deeply understand the relationship between National Security and Science and Technology.
 CO2 Understand the role of DRDO in India's Security.
 CO3 Understand the impact of Artificial Intelligence on War and National Security.
 CO4 Understand the implications of GPS, GIS and Remote Sensing in National Security.

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 Conflict Resolution and Peace Building Minor Course (MIC) Semester-VI

Course code: C24MIC605T

60 Hrs (4 Hrs/week)

Credits: 4

Exam Time: 3 Hrs

External Marks: 70

Internal Marks: 30

Total Marks: 100

Note: The maximum time duration for attempting the paper will be of 3 hours. The examiner is required to set nine questions in all. The first question will be compulsory consisting of seven short questions covering the entire syllabus consisting of 2 marks each. In addition to this, eight more questions will be set, two questions from each unit. The students shall be required to attempt five questions in all selecting one question from each unit consisting of 14 marks each in addition to compulsory Question No.1.

Objectives: *Student will be able to understand the conceptual aspects of Conflict and Peace and the methods of Conflict Resolution and Peace Building. Student will be able to understand the International and Regional efforts to Peace Building. Understand the Role of Society in peace building.*

Unit-I

Conflict and Peace : Nature and Scope,
 Conceptual analysis of Conflict and Peace,

Unit-II

Types and levels of Conflict.
 Methods of Conflict Resolution

Unit-III

Role of Government and Society in Conflict Resolution
 Role of International organization and NGOs

Unit-IV

Peace : Meaning, Significance and Approaches
 Post Conflict Reconstruction
 Peace Initiatives, Peace Agitation and Peace Research.

Books Suggested:

1. Barash, David, P. (2014) *Approaches to Peace: A Reader in Peace Studies*, Oxford University Press, London,
2. Bercovitch, Jacob and Richard Dean Wells Jackson (2009) *Conflict Resolution in the Twenty-first Century: Principles, Methods, and Approaches*, University of Michigan.
3. Garnett Johan, (1970) *Theories of Peace and Security*, Palgrave Macmillan, London.
4. Galtung, Johan, (1996) *Peace by Peaceful Means: Peace and Conflict, Development and Civilization*, Sage Publications, London.
5. Galtung, Johan, (1984), *The Struggle for Peace*, Navajivan Publishing House, New Delhi.
6. Hauss, Charles (2019) *From Conflict Resolution to Peacebuilding*, Bloomsbury Publishing PLC.
7. Richmond, Oliver P. and Gözim Visoka (2022) *The Palgrave Encyclopedia of Peace and Conflict Studies*, Springer Nature.

8. Savitri, Kaldoor (2014) Conflict Resolution and Peace Building, Aakar Books.

Course Outcome:

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

- CO 1. Understand deeply the concept of Conflict and Peace Building.
CO 2. Understand about the methods of Conflict Resolution.
CO3. Understand the International and Regional efforts to Peace Building
CO4. Understand the Role of Society in peace building.

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
Human Rights and Humanitarian Laws
Minor Course/Vocational Course (VOC) Semester-VI

Course Code: C24VOC605T
30 Hrs. (2 Hrs./Week)
Credits: 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 three questions in all selecting one question from each unit consisting of 10 marks each in addition to compulsory Question No.1.

Objectives: *The main objectives of the course to provide the information about the Human Rights and its main contributors. Also learning about the role of UN to protect the human rights and Universal Declaration of Human Rights. Human Rights in Indian perspective and legal framework of human rights in India.*

Unit - I

Human Rights: Meaning, Nature and Development, Three Generation Rights.
Contributions: Hobbes, Locke, Rousseau.
United Nations & Human Rights: Universal Declaration of Human Rights (UDHR).

Unit - II

Indian Perspective (Basics) Human Rights in Indian tradition- Civil, Political, Economic, Cultural Rights & Women's Rights.
Constitutional & Legal framework in India- Human Rights Commission & Special Commission for weaker section.
Issues and Challenges
Human Rights and challenges Ethnic conflict, social & political violence, global terrorism, environmental sources.
Rights of Refugees.
Internally Displaced people.

Defence Studies
Human Rights and Humanitarian Laws Lab
Minor Course/Vocational Course (VOC) Semester-VI

Course Code: C24VOC605P
60 Hrs. (4 Hrs./Week)
Credits: 2
Exam Time: 2 Hrs.

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

Course Content

- Detailed study of an Infantry Platoon
- Study of Field Craft : Ground, Cover, Camouflage, Concealment and Observation
- Military Appreciation of a situation.
- Fire Control Orders
- Application of Fire
- Verbal Order
- Battle Procedure
- Tactical Formations of Platoon

Books Suggested:

1. Bajwa, G.S., (1995) Human Rights in India: Implementations and Violations, Sterling, New Delhi.
2. Deshta, S., Deshta, K., (2003) Fundamental Human Rights, Deep & Deep, New Delhi.
3. Donnelly, Jack., (1985) The Concept of Human Rights, St. Martin's Press, New York.
4. Gibson, John, S., (1996) Dictionary of International Human Rights Law, Scarecrow Press, Lanham, MD.
5. Mehta, P.L., Verma, N., (1999) Human Rights Under the Indian Constitution, Deep & Deep, New Delhi.
6. Sehgal, B.P.S., (2004) Human Rights in India: Problems and Prospects, Deep & Deep, New Delhi

Course Outcome:

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

CO1: Understand about the Human Rights and its main contributors.

CO2: Learn about the role of UN to protect the human rights and UDHR.

CO3: Human Rights in Indian perspective and legal framework of human rights in India.

CO4: Learn importance of Human Rights to individuals and their privilege.

Mapping of CO with PO

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

S=Strong

M=Medium

W=Weak