



University of Kalyani West Bengal

Syllabus

B.A./B.Sc. THREE YEARS' UNDER-GRADUATE COURSE WITH MULTIDISCIPLINARY COURSES

IN

DEFENCE STUDIES

Effective from Academic Session 2023-24 under NEP 2020

Preamble

National Education Policy (NEP) 2020 aims at to develop and create suitable resourceful manpower to cope with the present and future requirements of our developing industry and economy and with this view UGC highlights to achieve quality of Higher Education to develop good, thoughtful well-rounded and creative Individuals through its UGCF (Undergraduate Curriculum Framework), 2023. With this end in view UGC has synchronized CBCS (Choice Based Credit System) and LOCF (Learning Outcome Curriculum Framework) for imparting Higher Education through Educational Institutions all over the country so that teaching, learning and research in higher education can reach its peak nationally and internationally.

UGCF emphasizes on Multidisciplinary Courses in addition to main subjects to show students the right path for understanding the objectives of desired change in the curriculum for better administration and governance of our institutions in all spheres and human resource development so that they can contribute to the nation building in future.

So to achieve the aim of NEP-2020 the course of Defence and Strategic Studies has been framed keeping in mind the changes that have taken place in national and international security situation as well as the relationship between defence, security & peace from the stand point of general citizen of the country. The syllabi of this Subject have been framed considering the syllabi of different universities of the country. It is expected that the syllabi will satisfy the interdisciplinary nature of study in character and very much compatible with the present need of the country.

**BOARD OF STUDIES FOR
DEFENCE STUDIES KALYANI UNIVERSITY**

Structure of Syllabus Semester Wise

(to be given here)

DFS Subject Papers:

1. India's National Security & Internal Security Problems
2. Mechanism of Warfare & Strategic Thought
3. Defense Organisation & Military History of India
4. Military Geography of India

Multidisciplinary Courses Papers:

1. Human Rights -Semester I
2. Disaster Management – Semester -II
3. Cyber Crime & Cyber Security – Semester III

Syllabus of DFS Papers

India's National Security & Internal Security Problems

Subject Code: (to be given here)

Total Credit: - 4

[Lecture Hour - 48, Tutorial Hour - 12]

Full Marks – 50

Semester Examination – 40 marks, Internal Assessment – 10 marks

Unit I:

National Security – meaning, concept, elements of national security – factors affecting National security of India – Internal Security Issues: Regionalism, Communalism and Political Insurgency in India

Unit II:

Boundaries of India – Boarder problems of India, Cross boarder terrorism especially with J & K and North-East States of India

Unit III:

National Defence policy of India – Role of DRDO and ISRO in India's National security measures

Unit IV:

- a) India's foreign policy – Determinants and goals - India's International Relations with Neighbouring Countries: i) Pakistan & ii) Bangladesh
- b) India's Relations with i) USA, ii) Russia & iii) China

Suggested Readings:

1. Singha, Dr. Ashoke Kumar, National Security, 8th Edition, Prakash Book Depot, Barabazar, Bareilly, UP – 243 003 (2017)
2. Khristof L. K. D., The Nature of Frontiers and Boundaries, 1959
3. K. M. Panikhar, Problems of Indian Defence, 1960
4. Bandopadhyaya, J., The making of India's Foreign Policy of India, (2003), Allied Publishers, Mumbai
5. Rajan, M. S., Studies in Indian Foreign Policy
6. Chopra, P., On India's Boarder
7. Bose, Sumanta (2003), Kashmir Roots of Conflict Paths to Peace, Cambridge, Havard University Press
8. Dwivedi, R. L. Fundamentals of Political Geography, (2004), Chaitanya Publishing House, Allahabad
9. Chatterjee, R. K., India's Land Boarders: Problems and Challenges
10. Sadhukhan, S. K., Economic Geography, An Appraisal of Resources, (1994), S. Chand & Co. Ltd.
11. Mandav, P., Communalism in India: A Paradigm Shift to Indian Politics, (2000), Authors Press, New Delhi
12. Sinha, S. P., Lost Opportunities: 50 Years of Insurgency in the North-East and India's Response, (2007), Lancer Publishers & Distributors, New Delhi
13. Murty, T. S., Paths of Peace: Studies on the Sino-Indian Boarder Dispute, 1983
14. Venkateswaran, A. L., Defence Organisation in India
15. Basu, Major D. K., Defence and Strategic Studies, Vol. I, Semester – I (in Bengali language) E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073
16. Basu, Major D. K., Bishoy Drohomon O Santrashbad (in Bengali language) E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073

Mechanism of Warfare & Strategic Thought

Subject Code: (to be given here)

Total Credit: - 4

[Lecture Hour - 48 , Tutorial Hour - 12]

Full Marks – 50

Semester Examination – 40 marks, Internal Assessment – 10 marks

Unit I:

Definition of war – objectives of war – Causes of War –Strategy, Tactics and Logistic of war

Unit II:

Types of War – Hot, Cold and Psychological – Guerrilla warfare - Low Intensity Counter Insurgency warfare

Unit III:

Nuclear, Biological & Chemical warfare - Modern weapons of war, Such as Rifle, S.L.R., L.M.G., Mortar & Nuclear Bomb - Short description of Air and Naval War

Unit IV:

Strategic Thought of – a) Niccolo Machiavelli (1469-1527 CE), Napoleon (1769-1821 CE) & Carl Von Clausewitz (1780-1831) - the strategist of Pre-modern era

b) Alfred Thayer Mahan (1840-1914), Giulio Douhet (1869-1930) & Mao-Tse-Tung (1893-1976) - strategists of modern era

Suggested Readings:

1. Mathew O. Jackson and Massimo Morelli, The Reasons of wars – an updated Survey, Revised: Dec. 2009
2. Singha, Dr. Ashoke Kumar, Modern Strategic Thought (Machiavelli to the Nuclear Age) and National Security, (2009) Prakash Book Depot, Bareilly, UP – 243 003
3. (2017)
4. Singh, Dr. G. C., Modern Art of War (2014), Sarada Pustak Bhavan, Allahabad
5. Roy, Koushik (ed.) The Oxford Companion to Modern Warfare in India, Oxford University Press
6. J. F. C. Fuller, The conduct of war
7. Stephen Peter Rosen, India and its Arms, Oxford University Press
8. Chadha, Lt. Col. Vivek, Low Intensity Conflicts in India: An Analysis, New Delhi, Sage Publications, 2005
9. Martin, L. W., Sea Power in the Modern Strategy
10. Singh, Prof. L. G., Fundamentals of Military Science (2008), Prakash Book Depot, Bareilly, UP – 243 003
11. Singh, Prof. L. G., Defence Mechanism of the modern State (2013), Prakash Book Depot, Bareilly, UP – 243 003
12. Teena Karsa Mayers, Understanding Nuclear Weapons and Arms Control (Third Edition), Washington
13. Victor Emmerich and Sharan Dev, Modern Warfare and Military Strategy, Dominant Publishers, New Delhi (2000)
14. Basu, Major D. K., Defence and Strategic Studies, Vol. II, (in Bengali language) E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073
15. Basu, Major D. K., Tattye O Tathaye Pracha O Pachattayer Youddhakala, (in Bengali language) E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073
16. Basu, Major D. K., Defence and Strategic Studies, Vol. III, (in Bengali language) E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073

Defence Organisation & Military History of India

Subject Code: (to be given here)

Total Credit: - 4

[Lecture Hour - 48, Tutorial Hour - 12]

Full Marks – 50

Semester Examination – 40 marks, Internal Assessment – 10 marks

Unit I:

Post-Independence India's Defence Set-up: India's higher defence organization and its management - Ministry of Defence and their principal functions, Powers of President of India in relation to Armed Forces, India's Defence Committee/Political Affair Committee, Parliamentary Standing Committee on Defence of India, Formation of India's National Security Council

Unit II:

Armed Forces of Indian Defence (Military): Organisation of Indian Army – i) Infantry Regiment, ii) Organisation of: Armoured Regiment & Artillery Regiment – iii) Logistic Services provided by Army Service Corps: AOC & AMC – iv) India's Intelligence Organisations: RAW & IB– v) India's Internal Security Organisations : a) Para-military Forces – BSF, NSG, CRPF, RPF, b) India's Second Line of Defence: NCC and its role & d) Civil Defence

Unit III:

- a) Causes of war, Strength and battle formation, short description of actual war with diagram and consequences of war of the following Ancient Battles: i) Battle of Hydaspes (Jhelum) & ii) First Battle of Panipath
- b) Military History of early modern Period: Art of war and Military system of Mughal Rulers: i) Battle of Haldighati, 1576 – Background and Causes, Battle formation & actual war and its consequences ii) Battle of Plassey, 1757 – Background and causes, Battle formation and actual war with consequences

Unit IV:

Military History of colonial Period & modern India: i) Battle of Assaye, 1803 - Background and causes, Battle formation and actual war with consequences, ii) Indo-China war, 1962 ii) Indo-Pak war, 1965 & Bangladesh War, 1971, ii) Kargil war, 1999

Suggested Readings:

1. Venkateswaran, A. L., Defence Organisation of India
2. Oberoi, Lt. General Vijay, Need for structural Changes in India's Higher Defence Management
3. Singh, Nagendra, Defence Mechanism of Modern State
4. Basu, Major D. K., Tattye O Tathaye Pracha O Pachattayer Youddhakala, (in Bengali language) E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073
5. Basu, Major D. K., Defence Organisation and Management of India, (in Bengali language) E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073
6. Bhattacharjee, Arun, History of Ancient India, New Delhi, Sterling Publishers, 1979
7. Singh, Dr. G. C., Tandon, Dr. R. K. & Agarwal, Dr. P. A., Indian Art of War, 2014, Sarada Pustak Bhavan, Allahabad, UP
8. Gupta, P. S. & Deshpande, Anirudh, The British Raj and its Indian Armed Forces, 1857-1939, New Delhi, Oxford University Press, 2002
9. Melleson, G. V., The Decisive Battle of India
10. Sarkar, J. N., Military History of India, Kolkata, 1960, Orient Longmans
11. Roy, Koushik, India's Historic Battles, Warfare in British India, Routledge
12. Bandyopadhyaya, Sekhar, From Plassey to Partition, Oriental Longmans, New Delhi-04
13. Basu, Major D. K., Tattye O Tathaye Pracha O Pachattayer Youddhakala, (in Bengali language) E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073
14. Basu, Major D. K., Military History of India, (in Bengali language) E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073

Military Geography of India

Subject Code: (to be given here)

Total Credit: - 4

[Lecture Hour - 48, Tutorial Hour - 12]

Full Marks – 50

Semester Examination – 40 marks, Internal Assessment – 10 marks

Unit I:

Introduction to Military Map used earlier for military purposes – Ineffectiveness of old system of Military Map Reading - Grid System vis-à-vis Present-day GPS (Global Positioning System) in Map Reading – Working of GPS method of Map Reading – Advantages and disadvantages of GPS in Military operations with special emphasis on Surgical Strike and sensing the location of enemy position and target of to-day's Military operations – Limitations of GPS and use of IRNSS (NavIC) to overcome the limitations of GPS

Unit II:

Strategic importance of : a) J & K, b) Punjab, c) Arunachal Pradesh, d) Manipur, e) Mizoram, f) Nagaland and g) Tripura relating to India's National Security - Importance of Indian Ocean in National Defence of India – String of Pearls Strategy of China affecting India's National Security

Unit III:

Importance of Strategic minerals of India and its uses in Defence Industry of India – Significance and importance of Transport and Communications with special emphasis on Border Roads Development Organisation (BRO) – Atomic Research Centers of India

Unit IV:

Military Geography & Security of India: Importance of Geo-Strategic Location of India showing location of India in the map of South-East Asia – Importance of Heartland theory of Halford J. Mackinder in connection with World's Geo-political Organisation and its present-day validity

Suggested Readings:

1. Roy, Animesh, The Land and the People: Mizoram
2. Mahan, A. T., The Influence of Sea Power upon History, 1890
3. Sukhwal, B. L., Modern Political Geography, New Delhi, 1985
4. Prescott, J. R. V., Geography of Frontiers and Boundaries, 1959
5. Panikhar, K. M., Problems of Indian Defence, 1960
6. Subrahmanyam, K., Strategic Importance of the Indian Ocean, 1982
7. Sharma, Lt. Colonel Goutam, India: The Land and the people: Our Armed Forces
8. Wadia, Meher D. N., Minerals of India, 2000
9. Sali, M. L., Military Geography, Manas Publications, New Delhi, 2009
10. Singh, Prakash, India: The Land and the People: Nagaland
11. Louis, Pettier & Pery, E. Etzel, Military Geography, 1981
12. Dikshit, R. D., Political Geography
13. Dwivedi, R. L., Fundamentals of Political Geography
14. Adhikari, Sudepta, Political Geography, 1947
15. Krishnaswamy, India's Mineral Resources, 1974
16. Basu, Major D. K., Defence and Strategic Studies, Vol. I, (in Bengali language) E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073
17. Basu, Major D. K., Defence and Strategic Studies, Vol. III, (in Bengali language) E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073

Detailed Syllabus of MDC Papers

Human Rights

Subject Code: (to be given here)

Total Credit: - 3

[Lecture Hour - 30, Tutorial Hour - 15]

Full Marks – 45

Semester Examination – 35 marks, Internal Assessment – 10 marks

Unit I:

Introduction to Human Rights – Aims and Objectives of Human Rights - Types of Human Rights – Impact of Globalization on different classes of Workers and Human Rights

Unit II:

Role of Civil Society in Protecting Human Rights – Role of Government in Protecting Human Rights – Human Rights and the Indian Constitution – Human Rights of Children and Women in India

Unit III:

Human Rights Commission in India & its functions – Violation of Human Rights and Protection of Human Rights in Indian Society – Human Rights and Environmental Policy in India – Role of NGOs in Protecting Human Rights in India

Suggested Readings:

1. Preamble to the Universal Declaration of Human Rights, 1948
2. Universal Declaration of Human Rights, 1948, Article 26.2
3. Singh, Nagendra, Endorsement of Human Rights, Eastern Law House Pvt., Kolkata, 1986
4. Subramanian, S., Human Rights: International Challenge, Vol. I, Manas Publication, New Delhi, 1997
5. Saksena, K. P., Human Rights and The Constitution – Vision and the Reality, 2003
6. Ray, Arun, national Human Rights Commission of India: Formation, Functioning and Future Prospect, Vol. I, 2004
7. Protection of Human Rights Act, 1993, amendment in 2006
8. Tinker, C., Human Rights for Women: The UN Convention on the Elimination of All Forms of Discrimination against Women, Human Rights Quarterly
9. Nair, P. Sukumar, Human Rights in a Changing World, Gyan Publishing House, New Delhi, 2011
10. Santra, S. C., Environmental Science, New Central Book Agency, Kolkata, 2000
11. Karan, P. P., Environmental Movement in India, Geographical Review, Vol. 84
12. Professor Major Basu, D. K., Human Rights (in Bengali Language), 2018, E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073

Disaster Management

Subject Code: DFS-UG-

Total Credit: - 3

[Lecture Hour - 30, Tutorial Hour - 15]

Full Marks – 45

Semester Examination – 35 marks, Internal Assessment – 10 marks

Unit I:

Basic Concept of Disaster Management – Organisational Structure of India's National Disaster Management Authority – India's National Policy on Disaster Management and its implementation

Unit II:

Types of Disasters – Classification of Disasters by: i) UNO and ii) Government of India – Elements of Natural Disasters – Classification of Hazards - Vulnerability as unique factor of Disaster Risk - Interaction of Hazards, Vulnerability and Disaster Risk

Unit III:

Management of Disaster Risk: Components of Disaster Management – Policy of mitigation of Disaster Risk, Disaster Preparedness, Prevention measures of Disaster – Disaster Management Cycle - Essential features and efforts of Community Based Disaster Management – Role of Armed Forces in Disaster Management

Suggested Readings:

1. Sinha, P. C., Introduction to Disaster Management, 1998
2. Sharma, Vinod K., Managing Disasters in the New Millennium, Prentice Hall (P) Ltd., 2001
3. Modh, Satis, Introduction to Disaster Management, Macmillan Publishers, India, First Edition, Jan. 010
4. Prasad, S., Natural Disaster Management, 007
5. Singh, R. B., Natural Hazards and Disaster Management, First Edition, 2006
6. Dasgupta, Rajdeep, Disaster Management and Rehabilitation, Mittal Publication, 2007
7. Shastri, M. N., Introduction to Environment, Himalaya Publishing House, Mumbai, 2005
8. Professor Major Basu, D. K., Disaster Management (in Bengali Language), 2020, E. T. Publication, 13, S. S. Sen Road, Berhampore, Murshidabad, Distributor: Promila Book Agency, Bankim Chatterjee Street, Kolkata – 700 073

Cyber Crime and Cyber Security in India

Subject Code: (to be given)

Total Credit: - 45

[Lecture Hour - 30, Tutorial Hour - 15]

Full Marks – 45

Semester Examination – 35 marks, Internal Assessment – 10 marks

Unit I:

Introduction to Cyber Crime and Cyber Security – Distinction between Cyber Crime and Conventional Crime

Unit II:

Relation between Cyber Crime and Cyber Security – Various elements of Cyber Crimes – Laws against Cyber Crime in India

Unit III:

Different Categories of Cyber Crimes – a) Crime against Individuals, b) Crime against business and Property, c) Crime against Governments or Organisations, d) Crime against Society

Suggested Readings:

1. Singh, Sanjana, Cyber Crime and Security, Bio-Green Books
2. Pandey, Dr. U. S., Kumar, Dr. Verinder, Singh, Dr. Harman Preet, Cyber Crimes and Laws, Himalaya Publishing House
3. Dasgupta, Dr. M., Cyber Crime in India, 2009
4. Jain, Rohit Arvind, Cyber Crime and Laws, Evincepub Publishing
5. Prasad, T. V. R. Satya, Law Relating to Information Technology (Cyber Laws), 1st Edition, 2001, Asia Law House
6. Understanding the Difference between Cyber Security and Cyber Crime; Privacy International;
7. Access internet for Self-help & Self-reading