

Kurukshetra University Kurukshetra
(Establishment by the State Legislature Act XII of 1956)
(‘A’ Grade, NAAC Accredited)

Syllabi

M.A. (Final) Defence & Strategic Studies (Third Semester) w.e.f. 2012-13

Scheme of Examination

Paper No.	Nomenclature	Max. Marks	Time
Paper-XI	Defence Economics-I	100	3 Hours
Paper-XII	Psychological Dimensions of War	100	3 Hours
Paper-XIII	Area Studies-Pakistan	100	3 Hours
Paper-XIV	Science & Technology in Relation to Warfare-I	100	3 Hours
Paper-XV	International Law –I	100	3 Hours

Paper-XI, Defence Economics-I

Max. Marks: 100
Internal Assessment : 20
External Marks: 80
Time: 3 Hours

Note:- There will be eight Questions two questions from each unit. The candidates are required to attempt four questions in all, selecting one question from each unit. All questions carry equal marks.

Unit: I Defence Economics: Meaning, Definition, Scope and Relevance; and The Economic Foundation of Military Power: Theories of Adam Smith and Alexander Hamilton.

Unit: II Economic Impacts of War. Economic Mobilization in War, War potential of a Nation (resources of war) - Natural, Physical, Industrial and Man power resources; and Economic control during war.

Unit: III Economic Warfare-Definition, Scope and Nature; Defence Budget: Definition, Scope, Determinants/Principle, Structure and Processes.

Unit: IV War and Peace Economy; Effect of War on National Economy (Problems of Inflation, Balance of Payment and Real Cost); and Economic Impact of Defence Expenditure.

Readings

1. Aggarwal, A.M. : Economic Mobilization for Defence.
2. Aggarwal, R.K. : Defence Production and Development.
3. Clark, J.J.: The New Economics of Nations Defence.
4. Hatfield, Marko: The Economics of Defence, Newyork; Praeger Publishers.
5. Hitch, G.J. & Mckean: the Economics of Defence in the Nuclear age.
6. Jack, D.T. : Studies in Economic Warfare.
7. Knor, Klaus: War Potential of the Nations.
8. Pandey, S.P.: Defence Economics Allahabad; Bhanumati Publication.
9. Robinson, L.R: The Economic Problems in War & Peace.
10. Singh Jasjit: India's Defence Spending.
11. Ludra, Lt. Col. Thakur K.S.: Understanding War: its implications and effects.
12. J.N. Sharma: Defence Expenditure.

Paper-XII, Psychological Dimensions of War

Max. Marks: 100
Internal Assessment : 20
External Marks: 80
Time: 3 Hours

Note:- There will be 10 Questions two questions from each unit. The candidates are required to attempt five questions in all, selecting one question from each unit. All questions carry equal marks.

Unit: I Military psychology-Definition, scope and significance during peace and War; and Psychological factors in Conventional, Nuclear, Biological and Chemical Warfare.

Unit: II Psychological Weapons of War: Propaganda, Rumor and Indoctrination; and Emotional Problems and Adjustments during War and Peace. Fear and Panic in war: Causes, Consequences and Management

Unit: III Military Leadership: Meaning, Attributes, Importance and Role of Training; and Discipline: Definition, Purpose and Tools of Maintaining Discipline. War Neurosis: Meaning, Causes, Symptoms and Effects.

Unit: IV The Significance of Personality: Traits, Group-Behavior and Communication Skills in Armed Forces; and Motivation & Morale and their Relevance in the Armed Forces.

Readings:

1. Bartlett, F.C.: Psychology and the Soldier, Cambridge, Cambridge University Press.
2. Baynes, John: Morale: A study of Men and courage London, Cassell 1967.
3. Boring. E.G(ed.): Psychology for the Armed Services, Dehradun, Natraj Publishers.
4. Chibber, M.L.: Military Leadership to Prevent Military Coup, New Delhi, Lancer International.
5. Copeland, Normal: Psychology and the soldier, Dehradun, English book Dept. 1967.
6. Gupta, Col. Ranjit Sen (Retd.): Management of Internal Security, New Delhi, Lancer Publications, Pvt. Ltd. 1994.
7. Hasnain Qmar: Psychology for the fighting man, Dehradun, English Book Depot, Publishing Company 1967.
8. Lienbarger, P.M.A.: Psychological Warfare, Washington, D.C. Combat Press 1954.
9. Likert, Rensis and J.B. Likert: New ways of managing conflict, New-York, Mac Graw Hill Book Company.
10. Raj Narain: Military Psychology, Agra: national Psychological Co-operation Ist. edition 1979
11. Rajender Nath, Military Leadership in India form Vadic time to Indo-Pak War.

Paper-XIII, Area Studies-Pakistan

Max. Marks: 100
Internal Assessment : 20
External Marks: 80
Time: 3 Hours

Note:- There will be 10 Questions two questions from each unit. The candidates are required to attempt five questions in all, selecting one question from each unit. All questions carry equal marks.

Unit: I Military Geography of Pakistan- Its Geo-Strategic Significance; and Population, Composition and Characteristics of Major Ethnic Groups. Nuclear and Defence Potential of Pakistan;

Unit: II Pakistan's Politics and Role of Military; and Internal Security Factors in Pakistan. Areas of Conflict and Cooperation between India and Pakistan.

Unit: III Determinants of Foreign and Defence Policy of Pakistan; and Role of United States of America in Pakistan's Politics.

Unit: IV Pakistan's Relations with its Neighbours China, India, Afghanistan and Iran; and Pakistan and Terrorism- The Emerging Manifestations.

Readings

1. Jai Parkash Sharma, Federal systems of India and Pakistan: A comparative perspective, Printwell Publishers: Exclusive distributor, Rupa Books International, Jaipur, India: 1987
2. Jagdish P Jain, China, Pakistan, and Bangladesh, Radiant Publishers, New Delhi, 1974
3. Saeed Shafqat (edited), Contemporary issues in Pakistan studies, Lahore: Azad, 1998
4. K.K. Bhardwaj, Pakistan's March to Democracy and Liberalism, Anmol Publications, New Delhi, 1999
5. Rajvir Singh, U.S.- Pakistan and India: Strategic relations, Chugh Publications, Allahabad, 1985
6. Sahdev Vohra, Fifty Years of Pakistan, Intellectual book Corner, New Delhi, 1998
7. Verinder Grover & Ranjana Arora, (eds.) 50 years of Indo-Pak relation, (3 Vols), Deep & Deep Publications, New Delhi, 1998
8. Jaswinder Kumar, Irritants in Indo-Pak relation, Deep & Deep Publications, New Delhi, 1989
9. B.P. Barua, Politics and constitution-making in India and Pakistan, Deep & Deep Publications, New Delhi, 1984
10. Shuja Nawaz, Crossed Sword- Pakistan, its Army, and the Wars within, Oxford University Press, New York, 2008

11. Bidanda M. Chengappa, Pakistan: Islamisation, army and foreign policy, A.P.H. Publications, New Delhi, 2004
12. E. Sridharan, The India-Pakistan Nuclear Relationship: Theories of Deterrence and International Relations, Routledge, 2007
13. Rizwan Zeb, Suba Chandran, Ino-Pak Conflicts, Cambridge University Press, 2005
14. Kapil Kak, amitabh Matto, Happymon Jacob (eds), India & Pakistan: Pathways Ahead, K W Publishers, New Delhi, 2007
15. Gurmeet Kanwal, Pakistans Proxy War, Lancer Publishers, 2002
16. Whither Pakistan? Growing Instability and Implications for India, IDSA NewDelhi. June 2010

Paper-XIV, Science & Technology in Relation to Warfare-I

Max. Marks: 100
Internal Assessment : 20
External Marks: 80
Time: 3 Hours

Note:- There will be 10 Questions two questions from each unit. The candidates are required to attempt five questions in all, selecting one question from each unit. All questions carry equal marks.

Unit: I Impact of Science and Technology on warfare; and Relationship between Technology and Weapon Systems.

Unit: II Relevance of Science and Technology in National Security. Impact of Emerging Technologies on Strategy and Tactics; and Military Technology and its Impact on Land, Sea and Air-Power.

Unit: III Dual Use of Critical Technologies and its Impact on India's Security. International Inter-Dependence and Transfer of Technology; and Political, Military and Economic Impact of Transfer of Technology.

Unit: IV Growth and Development of Nuclear Power in India; and Growth and Development of Space Technology in India.

Readings

1. Deva Yashwant (1996):- Duel-use of Information Technology (An Indo Centric perspective): New Delhi, IDSA.
2. Hard David (1983):- Nuclear power in India: London, George Allen.
3. Jayant Baranwal:- S.P's Military year book: New Delhi, Guide Publishers.
4. John Ericson (1966):- The Military Technical revolution: Its impact on strategy and foreign policy: New York, Frederic A Prager.
5. Khana S.K (1998):- India: a Nuclear Power: New Delhi, Commonwealth Publishers.
6. Lal A K (2003):- Space warfare and Military strategy. (An Indian Perspective): New Delhi, USI of India.
7. Rajan, Y.S. (2001):- Empowering India (with Economic, Business and Technology, Strengths for the twentyfirst century): New Delhi, Har Anand.
8. Sen S.K.(2000):- Military Technology and Defence Industrialization: New Delhi, Manas Publishers.
9. Siddhartha. K (1999):- Oceanography, A brief introduction 3rd edition: New Delhi, Kisalaya Publishers.
10. Tellis, A (2001):- India's Emerging nuclear posture: Oxford, Oxford University Press

11. Tewari, R. and Tewari, V.M (1996):- The High-Tech War of twentieth century: New Delhi, Vikas Publishers House.
12. Thee Marek (1986):- Military technology, Military Strategy and Arms Race: London, Groom Helm.
13. Ghosh, C N (2011):- Tomorrows War:21st Century Defence Strategies, Manas Publications.NewDelhi.

Paper-XV, International Law –I

Max. Marks: 100
Internal Assessment : 20
External Marks: 80
Time: 3 Hours

Note:- There will be 10 Questions two questions from each unit. The candidates are required to attempt five questions in all, selecting one question from each unit. All questions carry equal marks.

Unit: I Definition, Nature, Basis and Sources of International Law. Treatment of Aliens; Asylum; and Extradition.

Unit: II Relationship between International Law and Municipal Law; and Subjects of International Law.

Unit: III Intervention – Meaning and Grounds; State Territory and Modes of Acquisition and Loss of Territory; and Law of the Seas.

Unit: IV Pacific and Coercive Means of Settlement of International Disputes; and International Law Regarding Weapons of Mass Destructions (WMDs)

Readings

1. J.G. Starke, "Introduction of International Law" (10th ed), Aditya Books, New Delhi, 1994
2. Oliver J, Lissitgyn, "International Law- Today and tomorrow", Debbs Ferry, New York, 1965
3. Perry E. Corbett, "The Growth of World Law", Princeton, New Jersey, USA, 1971
4. W. Friedmann, "Changing Structure of International Law", Steven & Sons, London, UK, 1964
5. Aggrawal, S.K., (ed), "Essays on the Law of Treaties".
6. Anand, R.P., "New States and International Law", Vikas Publications, New Delhi, 1972
7. Rhyue, O.R., "International Law".
8. S.K. Kapoor, "International Law", Central Law Agency, Allahabad, 1992
9. C. Wilfred Jenks, "The Common Law of Mankind", Stevens & Sons, London, UK, 1958
10. W. F Friedmann, "Changing Structure of International Law", Steven & Sons, London, UK, 1964
11. M.A. Kaplan and Node B. Katzenback, "The Political foundations of International Law", John Wiley & Sons, London, UK, 1961
12. Dr. Nagendra Singh, "India and International Law", S. Chand & Co., New Delhi, 1969

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Syllabi

M.A. (Final), Defence & Strategic Studies (Fourth Semester) w.e.f. 2012-13

Scheme of Examination

Paper No.	Nomenclature	Max. Marks	Time
Paper-XVI	Defence Economics-II	100	3 Hours
Paper-XVII	Sociological Dimensions of War	100	3 Hours
Paper-XVIII	Area Studies-China	100	3 Hours
Paper-XIX	Science & Technology in Relation to Warfare-II	100	3 Hours
Paper-XX	International Law –II	100	3 Hours

Paper-XVI, Defence Economics-II

Max. Marks: 100
Internal Assessment : 20
External Marks: 80
Time: 3 Hours

Note:- There will be 10 Questions two questions from each unit. The candidates are required to attempt five questions in all, selecting one question from each unit. All questions carry equal marks.

Unit: I Contemporary Economic Systems: Capitalism, Socialism and Mixed Economy.

Unit: II Defence and Development: Concept and its Implications for India; and Determinants of Defence Expenditure: Threat Perceptions, Capabilities and Policies. Contemporary Trends in India's Defence Expenditure.

Unit: III Economic Constraints in Defence Management; Economic Implications of Technological Changes with Reference to Defence Production in India: The Rationale for Self – Reliance and Problems of Imported Technology in Defence Production.

Unit: IV India's policy on Defence Production: Department of Defence Production, Ordnance Factories and Defence Public Sector Undertakings (DPSUs); and Role of Private Sector in Defence Production. Defence Production of the following in India: Armament, Ammunition and Explosives, Tanks and Infantry Combat Vehicles, Air-Crafts, Naval Ships and Missiles.

Readings

1. Chatterji, Manas, J. Fontanel & a. Hattori (eds): Army Spending.
2. Deger, Saadet: Military Expenditure in Third World Countries.
3. Downey, John: Management in the Armed Forces, Dehradun: EBD.Edu.Pvt.Ltd.
4. Ghosh, Amiya Kumar: India's Defence Budget and Expenditure Management, New Delhi; Lancer Publications.
5. Jalan, B: India's Economic Policy- Preparing for 21st century.
6. Thingan, M.L.: The Economic of Development and Planning; Delhi; Vrinda Pub.Ltd.
7. Mathews, Ron: Defence Production in India.
8. Mckinlay, Robert: Third World Military Expenditure, London: Pinter Pub.
9. Prasad, Bisheshwar: India War Economy.
10. Subrahmanyam K: Perspective in Defence Planning.

11. Thomas, Raju G.C.: The Defence of India, A budgetary perspective of Jhalegs & Politics.
12. Vohra, Bharat: Defence Economics, Sumit Enterprises. New Delhi. 2010.

Paper-XVII, Sociological Dimensions of War

Max. Marks: 100
Internal Assessment : 20
External Marks: 80
Time: 3 Hours

Note: There will be 10 Questions two questions from each unit. The candidates are required to attempt five questions in all, selecting one question from each unit. All questions carry equal marks.

Unit: I Sociology of War: Social Causes of War, Social Mobilization for War; and Social Effects of War: Adjustments and Emotional Problems during War, Social Aspects of Victory, Defeat and Occupation.

Unit: II Post-War Social Problems: Impact on Society (Problem of re-settlement of War Victims and Post-War Reconstruction), Impact on Military (Demobilization, Rehabilitation and Social Adjustment of Released Personnel) and Social Problem of Military Personnel (Killed or Disabled and Implications for their Families).

Unit: III Civil-Military Relations: History and Contemporary Trends; Military Coup: Causes and Consequences; and Civil-Military Relations in India.

Unit: IV Social Background of Military Personnel in India; and Problems of Ex-Servicemen in India. Women & Armed Forces: Role, Limitations, Impact and Contemporary Trends.

Readings

1. Alix Stracheys, *The Unconscious Motives of War*, (London, Allen, 1957).
2. Anil Kumar Singh, *Military and Media* (New Delhi, lancer Publishers & Distributors, 2006).
3. C.W. Mills, *The Power Elite*, (New York, Oxford university Press, 1959).
4. D. Feld Maury, *Structure of violence: Armed forces as social systems*, (New Delhi, Sage Publications, 1977).
5. Eric A. Nordlinger, *Soldiers in Politics: Military Coups and Governments*, (London, Prentic-Hall, 1977).
6. J.A. Khan, *India Armed Forces and Society*, (2006).
7. Jacques Van Doorn, (edit), *Armed Forces and Society: sociological Essays*, (Mouton, 1968).
8. Johnson John (edit), *Race, Class & Military: The role of the Military in Under-Developed Countries*, (Princeton, Princeton University Press, 1962).

9. Morris Janowitz, *The Professional Soldier. A Social and Political Portrait* (New York, Free Press, 1964).
10. Leena Parmar (Ed.), *Military Sociology:Global Perspectives*, Rawat Publications. Jaipur & NewDelhi, 1999.
11. Leena Parmar, *Society Culture and Military System*, Rawat Publications. Jaipur & NewDelhi.

Paper-XVIII, Area Studies - China

Max. Marks: 100
Internal Assessment : 20
External Marks: 80
Time: 3 Hours

Note: There will be 10 Questions two questions from each unit. The candidates are required to attempt five questions in all, selecting one question from each unit. All questions carry equal marks.

Unit: I Military Geography of China- Its Geo-Strategic Significance; and Population, Composition and Characteristics of Major Ethnic Groups.

Unit: II Peoples Liberation Army (PLA): Origin, Organization, Structure and Process; and Foreign Policy of China; Objectives and Determinants.

Unit: III Areas of Conflict and Cooperation between China and India with Special Reference to Sino-Indian War of 1962.

Unit: IV China's Relations with United States of America and Pakistan. China's Nuclear and Defence Potential; and China's Strategic Postures towards India.

Readings

1. Susant Shirk, China- Fragile Superpower, Oxford University Press, New York, 2007
2. Alka Acharya, China and India- Politics of Incremental Engagement, Har-Anand Publications, New Delhi, 2008
3. Ravi Vohra, P.K. Ghosh(eds), China and the Indian Ocean region, National Maritime Foundation, Anamaya Publishers, New Delhi, 2008
4. B.R. Deepak, India- China Relations: In the first half of the 20th Century, APH Publishing House, New Delhi, 2001
5. Dinesh Lal, Indo-Tibet-China Conflict, Kalpaz Publications, New Delhi, 2008
6. Vishun Saraf, India and China: Comparing the Incomparable, Macmillan Publishers India, 2008
7. R.V. Kumar, Chinese Air Force threat: An Indian Perspective, Manas Publication, New Delhi, 2003
8. M.L. Sali, India- China Border dispute: A case study of Eastern Sector, A.P.H. Publishing, New Delhi, 1998
9. John R.R. Faust, Judith F. Kornberg, China in World Politics- Policies Processes and Prospects, Lynne Rienner Publishers, Boulder, USA, 1995
10. C.K. Kapur, Chinese Military Modernization, Manas Publications New Delhi, 2003
11. Andrew Scobell, China's Use of Military Force, Cambridge University Press, New York, 2003

12. Jasjit Singh (ed), India, China and Panchsheel, Sanchar Publication House, New Delhi, 1996
13. Liu Xuecheng, The Sino-Indian border dispute and Sino-Indian relations, University Press of America, 1994
14. Immanuel C.Y. Hsu, Rise of modern China, Oxford University Press, New York, 2000
15. Shen Qurong & Bhabani Sengupta (eds), China looks at the World, Konark Publisher Pvt. Ltd. Delhi, 1999

Paper-XIX, Science & Technology in Relation to Warfare-II

Max. Marks: 100
Internal Assessment : 20
External Marks: 80
Time: 3 Hours

Note:- There will be 10 Questions by selecting two questions from each unit. The candidates are required to attempt five questions in all, selecting one question from each unit. Each question carries equal marks.

Unit: I Revolutions in Military Affairs (RMA); and Impact of RMA on Indian Defence.

Unit: II Electronic Warfare- Concept and Application; and Information Warfare- Concept, Application and Implications.

Unit: III New Technology and their Relevance to Security Systems- Rockets, Bio-Technology, LASERS/Satellite, Cyber, Missiles, Bio-Metrics, Stealth and NMD.

Unit: IV Growth and Development of Ocean Technology in India; and India's Achievements, Problems and Limitations in Ocean Technology. Defence Research and Development Organization (DRDO): Objectives, Achievements and Limitations.

Readings

1. B.S. Nanda, Science Technology in India's Transformation, (New Delhi, Concept, 1986).
2. Asian Productivity Organization, Intra-national Transfer of Technology, (Asian Productivity Organization, 1976).
3. D.M. Desoutter, Aircraft and Missiles: What They are, What They Do and How They Work, (London, Faber, 1989).
4. G.D. Bakshi, War in the 21st Century, (Delhi, Lancer Publisher, 1997).
5. Gerald Wendt, Prospects of Nuclear Power and Technology, (Van Nostrand, 1957).
6. Iqtidar Alam Khan, Gunpowder and firearms, Warfare in Medieval India, (New Delhi, Oxford University Press, 2004).
7. J.N. Nanda, Science and Technology in India's transformation.
8. Jayanta Kumar Ray, Security in the missile age, (University of Michigan, 2006).
9. Macacy Kannets, Technology in World Arms and Armour, (London, 1961).
10. Michael O. Hanlon, Technology Change and the Future of Warfare, (New Delhi, Manas Publication, 2005).

11. Paul Leventhal, Sharon Tanzer and Steven Dolley, Nuclear Power and The Spread of Nuclear Weapons: can we have one without the other? (Brassey's, 2002).
12. R.K. Suri, T.N. Chhabra, Cyber Crime, (New York, Pentagon Press, 2004).
13. R.L. Jetley, Rockets, guided missiles and satellites.
14. Samir K. Sen, Military Technology and Defence Industrialization, (New Delhi, Manas Publication, 2000).
15. Thomas & Hamnas, On War in the 21st Century, (Delhi, Manas Publications, 2004).

Paper- XX, International Law-II

Max. Marks: 100
Internal Assessment : 20
External Marks: 80
Time: 3 Hours

Note:- There will be 10 Questions by selecting two questions from each unit. The candidates are required to attempt five questions in all, selecting one question from each unit. Each question carries equal marks.

Unit: I War: Its Legal Character and Effects; Enemy Character;
Genocide and Human Rights.

Unit: II Laws of War: Land, Air and Sea. Blockade. Prize Court.

Unit: III War Crimes and Different Trials- Tokyo, Nuremberg and Milosevic;
Termination of War; Neutrality: Concept and Evolution; and Rights and Duties of Neutral States.

Unit: IV Right of Angary; Contraband and Doctrine of Continuous Voyage; Belligent Rights of Visit & Search.

Readings

1. Brownline, Principles of Public International Law, Oxford, Clarendon Press, 1973, Second Edition.
2. C.G. Fenwick, International Law, Bombay, Vakils, 1971.
3. J.G. Starke, An Introduction to International Law, London, Butterworths, 1972.
4. P.E. Corbett, Law and Diplomacy, Princeton NJ, Princeton University Press, 1959.
5. K. Deutsc and S. Hoffman (ed.), The Relevance of International Law, Oxford, Clarendon Press, 1955.
6. L. Duguit, Law in the Modern State, New York, B.W. Huebsch, 1919.
7. W. Friedmann, The Changing Structure of International Law, New York, Columbia University Press, 1964.
8. H. Kelsen, Principles of International Law, New York, Rinehart and Co., 1952.
9. J. Mattern, Concepts of State, Sovereignty and International Law, Baltimore, Johns Hopkins Press, 1928.
10. L. Oppeheimer, International Law Vol. 1, 1969, Revised edn., Vol II, 1953.
11. J. Stone, Legal Controls of International Conflict, New York, Rinehart and Company, 1954.

12. C. de Visscher, *Theory and Reality in Public International Law*, Princeton NJ, Princeton University Press, 1957.
13. Sir J.F. Williams, *Aspects of Modern International Law*, New York, Oxford University Press, 1939.