

Syllabi
M.A. (Previous) Defence & Strategic Studies (Annual) w.e.f. 2013-14

Scheme of Examination

Paper No.	Nomenclature	Max. Marks		Time
		Int.	Ext.	
Paper:-I	Evolution of Strategic Thought	20	80	3 Hours
Paper:-II	National Security	20	80	3 Hours
Paper:-III	International Relations	20	80	3 Hours
Paper:-IV	Theory and Practice of War	20	80	3 Hours
Paper:-V	Research Methodology	20	80	3 Hours

Paper-I, Evolution of Strategic Thought

Max. Marks: 80

Time: 3 Hours

Note: Students are required to attempt five questions, selecting one question from each unit.

Unit: I Kautilya's Philosophy of war; Sun Tzu- The Art of war; Machiavelli's views on the Art of war; and, Vauban: The impact of science on war.

Unit: II Frederick the Great: His views on National War; Clausewitz's theories on war: war and its relationship with Policy, Strategy and Tactics; Jomini's theories on the concept of mass army, strategy, tactics & logistics; and, Hamilton and Adam Smith: Their views on Importance of Military Power.

Unit: III Mackinder and Houshoffer: Their ideas on geo-politics and geo-strategy; J.F.C.Fuller: Concept of mobile warfare; Liddell Hart: Mobile Defence and Total war; Mahan's Views on Sea Power and Naval Warfare; Douhet and Michell: Their views on the Role of Air Power in Modern Warfare; and, Skovetsky's views on warfare.

Unit: IV Dulles and Andre Beaufre - Theories of Nuclear War and Deterrence; F. Fukuyama- The End of History; and, Samuel, P.Huntington- The Clash of Civilizations.

Unit: V Engel and Marx: Military concept of the social revolutionaries; Mao-Tse-Tung 's views on Guerrilla warfare; and, Lenin: Theory of Imperialism and Warfare.

Readings

Dass, S.T.	An Introduction to the art of war
Earl, E.M.	Makers of Modern Strategy
Fuller, J.F.C.	Armament and History
Fuller, J.F.C.	The Conduct of war
Shapherd, E.W	A Study of Military History
Shama Shastri	Kautilya's <i>Arthshastra</i>
Tzu, Sun	The Art of War
Cohen, S.B.	Geography and Politics in a divided world
Duffy, Chistopher	Siege Warfare
Ropp, Theodere	War in the Modern World
Beaufre Andre	Deterrence and Strategy
Fukuyama, F.	The End of History
Heil Brunn, Otto	Conventional Warare in the Nuclear Age
Huntington, Samunal	The Clash of Civilizationa
Mao-Te-Tung	On the protracted War: Selected works
Nasultion, Abdul Haris	Fundamentals of Guerrilla Warfare
Reid, Brain Holden	J.F.C.Fuller: Military Thinker
Fuller, J.F.C.	The Second World War
Greene, T.N.	The Gurrilla and how to fight him
Mecuen John J.	The Art of Couter revolutionary

Paper-II, National Security

Max. Marks: 80

Time: 3 Hours

Note: Students are required to attempt five questions, selecting one question from each unit.

Unit: I Security: Definition, Concept, Types, and Objectives; Elements of National Security; and, National Defence and Security Policies: Linkages, Challenges and Response.

Unit: II Conceptual dimensions of Military alliances & pacts; Peace treaties; Defence cooperation; Strategic partnership and Security dialogue; International Strategic environment in post cold war period; Contemporary trends in Arms proliferation; and, Challenges to International security: Proliferation of Weapons of Mass Destruction (WMD) and International terrorism.

Unit: III India's Security problems as a result of partition: Geo-political impact of partition, Effects of partition over Indian Armed Forces, & their reorganization; Security problems related to the merger of states – Jammu and Kashmir, Junagarh, Hyderabad and Goa; Higher Defence Organization in India; Role and Structure of Paramilitary Forces; India's internal security problems: Terrorism in Jammu and Kashmir, Insurgency in North Eastern States & problem of Naxalism.

Unit: IV India's Maritime Security: Maritime boundary, Maritime zones, Maritime routes & Island territories, Threats from Sea, & Role of Navy and Coast Guards; India's Nuclear policy: Nuclear doctrine & Nuclear and Missile capabilities of India; Civil Military relations in India; Civil Defence Organisation in India; and, India's Defence policy and planning.

Unit: V India's Security problems related to Pakistan, China, Nepal, Bangladesh, Sri Lanka.

Readings

R.S. Yadav (2013) Bharat Ki Videsh Niti (Hindi), Pearson, New Delhi.

R.S. Yadav (ed.) (1993) India's Foreign Policy : Towards 2000 A.D., New Delhi, Deep & Deep.

R.S. Yadav & Suresh Dhanda (eds.) (2009) India's Foreign Policy: Contemporary Trends, New Delhi, Shipra.

- Bajpai,U.S.(1986) India and its Neighbourhood: New Delhi, Lancer International.
- Baranwal, S.P.(1984) Measures of Civil Defence in India: New Delhi, Guide Publications.
- Bobbing, Ross and Gordon, Sandy(eds)(1992) India's Strategic Future: Delhi, Oxford University Press.
- Chatterjee,R.K.(1978) India's Land Borders- Problems and Challenges: New Delhi, Sterling Publishers.
- Chaudhury, Rahul Roy(1995) Sea Power and India's Security, London, Brassey's.
- Dass, S.T.(1987) National Security in Perspective: Delhi, Gian Publishers.
- Karnard, Bharat(1994) Future Imperiled: New Delhi, Viking.
- Kavic, Lorne J.(1967) India's Quest For Security: Defence Policies 1947-1965: LA, University of California Press.
- Khera,S.S.(1968) India's Defence Problems: New Delhi, Orient Longmans
- Menon, V.P.(1961) The Story of the Integration of Indian States: New Delhi, Orient Longmans.
- Misra, R.N.(1986) Indian Ocean and India's Security: Delhi, Mittal Publications.
- Nayar, V.K.(1992) Threats From Within: New Delhi, Lancer Publications.
- Rao, Ramakrishna and Sharma, R.C.(ed)(1991) India's Borders: New Delhi, Scholars' Publishing Forum.
- Rao,P.V.R.(1970) Defence Without Drift: Bombay, Popular Prakashan.
- Singh, Jaswant(1999) Defending India: Bangalore, Macmillan India Ltd.
- Singh, Nagendra(1974) The Defence Mechanism and the Modern State: New Delhi, Asia Publishing House.
- Venkateshwaran(1967) Defence Organisation in India: New Delhi, Ministry of Information and Broadcasting, Government of India.
- Buzan, Barry(1987) People Fear and State: New Delhi, Transasia Publications.
- Buzan, Barry and Regions and Powers: Cambridge.
- Waever, Ole(eds)(2003) National Security in Perspective: Delhi, Gian Das, S.T.(1987) Publishing House.

- Frankal, Joseph(1970) National Interest: London, Macmillian
- Garnett, John(ed)(1970) Theories of Peace and Security: Macmillan St. Martin's Press.
- Palmer, Norman D. and Perkins, Howard C. (1968) International Relations: Calcutta, Scientific Book Agency
- Chowdhury, Subrata Roy (1966) Military Alliances and Neutrality in War and Peace: New Delhi, Orient Longman.

SIPRI Year Books.

Paper-III, International Relations

Max. Marks: 80

Time: 3 Hours

Note: Students are required to attempt five questions, selecting one question from each unit.

Unit-I Nature, Scope and Development of International Relations; Theories of International Relations-Idealist, Realist, Systems, Marxist, Game Communication, Decision-Making, World System and Critical Theories.

Unit-II Concept of National Power- Elements and limitations; Struggle for Power; Management of Power- Balance of Power, Collective Security and Deterrence; Role of National Interest and Ideology in International Relations.

Unit-III Cold War, End of Cold War and Post-Cold War; Non-alignment-Meaning Bases, Movement and Relevance.

Unit-IV Disarmament and Arms Control since World War-II - Conventional and Nuclear; Regional Organizations with Special Reference to SAARC, ASEAN, OPEC, EU.

Unit-V Politics of Globalization-Neo-Colonialism and Dependency, World Bank, WTO, IMF; Emerging Issues - NIEO, Gender Issues, Politics of Environment and Terrorism.

READINGS :

R.S. Yadav Bharat Ki Videsh Niti (Hindi), Pearson, New Delhi, 2013.

John, Baylis and Steve Smith, Globalization of World Politics, Oxford, London, 1997.

P.Allan and K. Goldman (eds.), The End of the Cold War, Dordrecht, Martinus Nijhoff, 1992.

D.G. Brennan (ed.), Arms Control, Disarmament and National Security, New York, George Braziller, 1961.

S. Burchill et. al., Theories of International Relations, Hamsphire, Macmillan, 2001.

- I.Claude, Power and International Relations, New York, Random House, 1962.
- A.A. Couloumbis and J.H. Wolf, Introduction to International Relations : Power and Justice, New York, Praegar, 1989.
- W. Epstein, The Last Chance : Nuclear Proliferation and Arms Control, New York, The Free Press, 1976.
- K.W. Deutsch, The Analysis of International Relations, New Delhi, Prentice Hall, 1989.
- P.Gilbert, Terrorism Security and Nationality, London and New York, Routledge, 1995.
- A.J.R. Groom and M. Lights (eds.), Contemporary International Relations : A Guide to Theory, London, Printer, 1993.
- F. Halliday, Revolution and World Politics : The Rise and Fall of the Sixth Great Power, Basingstoke, Macmillan, 1999.
- F. Halliday, Rethinking International Relations, Basingstoke, Macmillan, 1994.
- S.H. Hoffman, Essays in Theory and Politics of International Relations, Boulder Colorado, Westview Press, 1989.
- R.O. Keohane (ed.), Neo-realism and Its Critics, New York, Columbia University Press, 1986.
- H.J. Morgenthau, Politics Among Nations, 6th Edition, revised by K.W., Thompson, New York, Alfred Knopf, 1985.
- M.S. Rajan, Non-Alignment and the Non-Alignment Movement in the Present World Order, Delhi, Konark, 1994.
- J.N. Rosenau and K. Knorr (eds.), Contending Approaches to International Politics, Princeton NJ, Princeton University Press, 1969.
- A.P. Schmidt and A.J. Jongman (eds.), Political Terrorism : A New Guide to Actors, Authors, Concepts, Data Bases, Theories and Literature, 2nd edn., Amsterdam, North Holland Publishing Co., 1988.
- M.P. Sullivan, Theories of International Politics: Enduring Paradigm in a Changing World, Hamsphire, Macmillan, 2001.
- S.P. Verma, International System and the Third World, New Delhi, Vikas, 1988.

G. Williams,

Third World Political Organizations,
London, Macmillan, 1987.

Paper- IV, Theory and Practice of War

Max. Marks: 80

Time: 3 Hours

Note : Students are required to attempt five questions, selecting one question from each unit.

Unit: I War: Concept, Nature and Scope, Theories of War; Causes, Assumptions, Functions and Techniques: Animal Warfare, Primitive Warfare, Historical Warfare, Modern Warfare; Guerilla Warfare and Low Intensity Conflict: Concept, Origin, Scope and objectives; and, Limited War: Meaning, Origin, Scope and Objectives.

Unit: II War in Nuclear Age: Beginning of Nuclear Era, Main effects of Nuclear Energy, Flash, Heat, Blast and Nuclear Radiation; Theories of Nuclear Deterrence: Preventive, Pre-emptive, Massive Retaliation, Flexible Response; and, Ballistic Missile Defence: Missiles and their classification, Ground Based ABM System, Counter Measures: NMD, TMD; and, Psychological warfare.

Unit: III World War-I (1914-18): Causes (in brief), War plans of belligerents, Organisation of theatres of war (in brief) of contending nations & outcome, Strategy, Tactics; and, World War-II (1939 to 1945): Causes (in brief), War plans of belligerents, Organisation of theatres of war (in brief) of contending nations and outcome, Strategy, & Tactics.

Unit: IV Korean War (1950-1953): Causes (in brief), War belligerents and their plans, Outline of main operations, & Consequences; and, Vietnam war (1954-1974): Causes, Main events (in brief) & Consequences.

Unit: V Indo-Pak War (1965, 1971 & 1999): Causes, Main events (in brief) & Consequences; and, Gulf War (1990 & 2003): Causes, War belligerents, Outline of main operations, & Consequences.

Readings

Howard, Michael	Theory and Practice of War
Howard, Michael	The Causes of war
Bernard, Black L.	War and its causes
Wright, Quincy	A study of war
Mao-Tse-Tung	Guerilla Warfare

Legueur Walter:	Guerilla Warfare
Robert E.Osgood	Limited war- The Challenge to American Strategy
Rees David	Korea, the limited war
Kitson, Frank	Low, intensity Operations, Subversion, Insurgency, Peace Keeping
Osanka FM	Modern Guerilla Warfare
Nasution, Abdual H.	Fundamentals of Guerilla warfare
Brodie,Bernard	Strategy in the missile age
Sampooran Singh	India and the Nuclear Bomb
Tirpathi K.S.	Evolution of Nuclear Strategy
Gupta Rakesh	Militarisation of outer-space
	Encyclopedia Britannica
Halperin Morton H.	Defence Strategies for the seventies
Mir Publications:	Weaponry in space, The Dilemma of Society
Hart, Liddle	History of First World War
Hart, Liddle	History of Second World War
Fuller, J.F.C.	History of Second World War
Fuller, J.F.C.	The conduct of war

Paper-V Research Methodology

Max. Marks: 80

Time: 3 Hours

Note : Students Are Required To Attempt Five Questions, Selecting One Question From Each Unit.

Unit-I Nature of Social Research; Types of Research; Traditional Approaches: Philosophical, Marxian, Gandhian, Institutional

Unit-II Scientific Study of Political Science; Scientific Method: Basic Assumptions, Steps and Limitations; Behavioural Revolution in Political Science and its Criticism; Post-behaviouralism; Methods of Popper and Kuhn.

Unit-III Hypotheses, Concepts and Variables; Tools and Techniques of Data Collection-Observation, Questionnaire and Interview.

Unit-IV Survey Method: Utility, Application and Limitations; Data Processing and Analysis; Statistical Techniques of Data Analysis; Use of Computers.

Unit-V Analysis of Secondary Data; Content Analysis; Presentation of Research : Paper Writing, Report Writing and Thesis Writing.

READINGS :

H.N. Blalock, An Introduction to Social Research, Englewood Cliffs NJ, Prentice Hall, 1970.

H.N. Blalock (ed.), Casual Models in the Social Sciences, London, Macmillan, 1972.

J. Blondel, Thinking Politically, London, Wildwood House, 1976.

A. Bryman, Quantity and Quality in Social Research, London, Unwin Hyman, 1988.

T.L. Burton and G.L. Cherry, Social Research Techniques, London, Unwin Hyman, 1989.

A.F. Chalmers, Science and Its Fabrication, Milton Keynes, Open University Press, 1990.

De D.A. Vaus, Surveys in Social Research, 2nd edn., London, Unwin Hyman, 1991.

M. Duverger, An Introduction to the Social Sciences with Special References to their Methods, Translated by M. Anderson, New York, Frederick A. Praeger, 1964.

S.V. Evera, Guide to Methods for Students of Political Science, Ithaca, NY, Cornell University Press, 1997.

- J. Galtung, Theory and Methods of Social Research, New York, Columbia University Press, 1987.
- E. Gellner, Relativism and Social Science, Cambridge, Cambridge University Press, 1985.
- A. Giddens, Profiles and Critiques in Social Theory, London Macmillan, 1982.
- W.J. Goode and P.K. Hatt, Methods of Social Research, New York, McGraw Hill, 1952.
- A.C. Isaak, Scope and Methods of Political Science, Homewood Illinois, Dorsey Press, 1985.
- J.B. Johnson and R.A. Joslyn, Political Science Research Methods, Washington DC, C.Q. Press, 1986.
- F.N. Kerlinger, Behavioural Research, New York, Holt, Rinehart and Winston, 1979.
- T. Kuhn, The Structure of Scientific Revolution, Chicago, University of Chicago Press, 1970.
- D. Marsh and G. Stoker (ed.), Theory and Methods in Political Science, Basigstoke, Macmillan, 1995.
- C.A. McCoy and C. Playford (eds.), Apolitical Politics : A Critique of Behaviouralism, New York, Thomas Crowell, 1967.
- R. K. Merton (ed.), Social Theory and Social Structure, New York, The Free Press, 1957.
- D. Miller (ed.), Pocket Popper, London, Fontana, 1997.
- G. Mydral, Objectivity in Social Science, New York, Pantheon Books, 1969.
- Sir, K.R. Popper, The Logic of Scientific Discovery, London, Hutchinson, 1959.
- Sir, K. R. Popper, Conjectures and Refutations : The Growth of Scientific Knowledge, London, Roughtledge and Kegan Paul, 1963.
- Sir, K.R. Popper, The Poverty of Historicism, London, Reoutledge, 1991.
- A. Ryan (ed.), The Philosophy of Social Sciences, London, Macmillan, 1970.
- H.J. Rubin, Applied Social Research, Columbus, North Illinois University Press, 1983.
- B. Smith, Political Research Methods, Boston, Houghton Milton, 1976.

- G.W. Snedecor, Statistical Methods, 5th edn., Iowa, State College, 1965.
- M. Weber, The Methodology of Social Science, translated and edited by E.A. Shils and H.A. Finch, New York, The Free Press, 1949.
- P.V. Young, Scientific Social Surveys and Research.
- Robert A. Dahl, Modern Political Analysis, Englewood Cliffs, NJ Prentice Hall, 1963.
- C. Charlesworth (ed.), Contemporary Political Analysis, New York, Free Press, 1967.
- Michael Hoas, Henry S. Kariel, Approaches to the Study of Political Science, California, Chandler Publishing Co., 1970.
- Roland Young; Approaches to the Study of Politics, Evanston, Ill, North Western University Press, 1958.
- E.J. Meehan, The Theory and Method of Political Analysis, Homewood, Illinois, Dorsey Press, 1965.
- Stephen L. Wasby, Political Science - The Discipline and Its Dimensions, Calcutta, Scientific Book Agency, 1970.

Syllabi
M.A. (Final) Defence & Strategic Studies (Annual) w.e.f. 2013-14

Scheme of Examination

Paper No.	Nomenclature	Max. Marks		Time
		Int.	Ext.	
Paper-VI	Defence Economics	20	80	3 Hours
Paper-VII	Sociological and Psychological Dimensions of War	20	80	3 Hours
Paper-VIII	Area Studies of Pakistan and China	20	80	3 Hours
Paper-IX	Science & Technology in Relation to Warfare	20	80	3 Hours
Paper-X	International Law	20	80	3 Hours

Paper-VI, Defence Economics

Maximum Marks: 80
Time: 3 Hours

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

Unit: I Defence Economics: Meaning, Definition, Scope and Relevance; The Economic Foundation of Military Power: Theories of Adam Smith and Alexander Hamilton; War potential of a Nation (resources of war) - Natural, Physical, Industrial and Man power resources; and Economic control during war.

Unit: II War and Peace Economy; Effect of War on National Economy (Problems of Inflation, Balance of Payment and Real Cost); Economic Impact of Defence Expenditure; and Economic Warfare-Definition, Scope and Nature; Economic Mobilization in War; and Economic Impacts of War.

Unit: III Defence Budget: Definition, Scope, Determinants/Principle, Structure and Processes; and Contemporary Economic Systems: Capitalism, Socialism and Mixed Economy.

Unit: IV Defence and Development: Concept and its Implications for India; Determinants of Defence Expenditure: Threat Perceptions, Capabilities and Policies; 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: V India's Policy on Defence Production: Department of Defence Production, Ordnance Factories and Defence Public Sector Undertakings (DPSU'S); 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; and Contemporary Trends in India's 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.
13. Chatterji, Manas, J. Fontanel & a. Hattori (eds): Army Spending.
14. Deger, Saadet: Military Expenditure in Third World Countries.
15. Downey, John: Management in the Armed Forces, Dehradun: EBD.Edu.Pvt.Ltd.
16. Ghosh, Amiya Kumar: India's Defence Budget and Expenditure Management, New Delhi; Lancer Publications.
17. Jalan, B: India's Economic Policy- Preparing for 21st century.

18. Thingan, M.L.: The Economic of Development and Planning; Delhi; Vrinda Pub.Ltd.
19. Mathews, Ron: Defence Production in India.
20. Mckinlay, Robert: Third World Military Expenditure, London: Pinter Pub.
21. Prasad, Bisheshwar: India War Economy.
22. Subrahmanyam K: Perspective in Defence Planning.
23. Thomas, Raju G.C.: The Defence of India, A budgetary perspective of Jhalegs & Politics.

Paper-VII, Sociological and Psychological Dimensions of War

Maximum Marks: 80

Time: 3 Hours

Note:- 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 Cause of War, Social Mobilization for War; Social Effects of War: Adjustments and Emotional Problems during War, Social Aspects of Victory, Defeat and Occupation; and Fear and Panic in war: Causes, Consequences and Management; and War Neurosis: Meaning, Causes, Symptoms and Effects.

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); Social Problem of Military Personnel (Killed or Disabled and Implications for their Families); and Civil-Military Relations: History and Contemporary Trends; Military Coup: Causes and Consequences; and Civil-Military Relations in India.

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

Unit: IV Military psychology-Definition, scope and significance during peace and War; Psychological factors in Conventional, Nuclear, Biological and Chemical Warfare; Psychological Weapons of War: Propaganda, Rumor and Indoctrination; and Emotional Problems and Adjustments during War and Peace.

Unit: IV Military Leadership: Meaning, Attributes, Importance and Role of Training; Discipline: Definition, Purpose and Tools of Maintaining Discipline; 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. 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, Prentice-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. Bartlett, F.C.: Psychology and the Soldier, Cambridge, Cambridge University Press.
11. Baynes, John: Morale: A study of Men and courage London, Cassell 1967.
12. Boring. E.G(ed.): Psychology for the Armed Services, Dehradun, Natraj Publishers.
13. Chibber, M.L.: Military Leadership to Prevent Military Coup, New Delhi, Lancer International.
14. Copeland, Normal: Psychology and the soldier, Dehradun, English book Dept. 1967.
15. Gupta, Col. Ranjit Sen (Retd.): Management of Internal Security, New Delhi, Lancer Publications, Pvt. Ltd. 1994.
16. Hasnain Qmar: Psychology for the fighting man, Dehradun, English Book Depot, Publishing Company 1967.
17. Lienbarger, P.M.A.: Psychological Warfare, Washington, D.C. Combat Press 1954.
18. Likert, Rensis and J.B. Likert: New ways of managing conflict, New-York, Mac Graw Hill Book Company.
19. Raj Narain: Military Psychology, Agra: national Psychological Co-operation Ist. edition 1979
20. Rajender Nath, Military Leadership in India from Vedic time to Indo-Pak War.

Paper-VIII, Area Studies of Pakistan and China

Maximum Marks: 80

Time: 3 Hours

Note:- 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 and China: Their Geo-Strategic Significance; and Population, Composition and Characteristics of Major Ethnic Groups in Pakistan and China.

Unit: II Pakistan's Politics and Role of Military; Internal Security Factors in Pakistan; Determinants of Foreign and Defence Policy of Pakistan; and Role of United States of America in Pakistan's Politics.

Unit: III Pakistan's Relations with its Neighbours China, India, Afghanistan and Iran; Pakistan and Terrorism- The Emerging Manifestations; Nuclear and Defence Potential of Pakistan; and Areas of Conflict and Cooperation between India and Pakistan.

Unit: IV Peoples Liberation Army (PLA): Origin, Organization, Structure and Process; Foreign Policy of China: Objectives and Determinants; and Areas of Conflict & Cooperation between China & 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. R.S. Yadav, Bharat Ki Videsh Niti (Hindi), Pearson, New Delhi, 2013.
2. Jai Parkash Sharma, Federal systems of India and Pakistan: A comparative perspective, Printwell Publishers: Exclusive distributor, Rupa Books International, Jaipur, India: 1987
3. Jagdish P Jain, China, Pakistan, and Bangladesh, Radiant Publishers, New Delhi, 1974
4. Saeed Shafqat (edited), Contemporary issues in Pakistan studies, Lahore: Azad, 1998
5. K.K. Bhardwaj, Pakistan's March to Democracy and Liberalism, Anmol Publications, New Delhi, 1999
6. Rajvir Singh, U.S.- Pakistan and India: Strategic relations, Chugh Publications, Allahabad, 1985

7. Sahdev Vohra, Fifty Years of Pakistan, Intellectual book Corner, New Delhi, 1998
8. Verinder Grover & Ranjana Arora, (eds.) 50 years of Indo-Pak relation, (3 Vols), Deep & Deep Publications, New Delhi, 1998
9. Jaswinder Kumar, Irritants in Indo-Pak relation, Deep & Deep Publications, New Delhi, 1989
10. B.P. Barua, Politics and constitution-making in India and Pakistan, Deep & Deep Publications, New Delhi, 1984
11. Shuja Nawaz, Crossed Sword- Pakistan, its Army, and the Wars within, Oxford University Press, New York, 2008
12. Bidanda M. Chengappa, Pakistan: Islamisation, army and foreign policy, A.P.H. Publications, New Delhi, 2004
13. E. Sridharan, The India-Pakistan Nuclear Relationship: Theories of Deterrence and International Relations, Routledge, 2007
14. Rizwan Zeb, Suba Chandran, Ino-Pak Conflicts, Cambridge University Press, 2005
15. 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. Susant Shirk, China- Fragile Superpower, Oxford University Press, New York, 2007
17. Alka Acharya, China and India- Politics of Incremental Engagement, Har-Anand Publications, New Delhi, 2008
18. Ravi Vohra, P.K. Ghosh(eds), China and the Indian Ocean region, National Maritime Foundation, Anamaya Publishers, New Delhi, 2008
19. B.R. Deepak, India- China Relations: In the first half of the 20th Century, APH Publishing House, New Delhi, 2001
20. Dinesh Lal, Indo-Tibet-China Conflict, Kalpaz Publications, New Delhi, 2008
21. Vishun Saraf, India and China: Comparing the Incomparable, Macmillan Publishers India, 2008
22. R.V. Kumar, Chinese Air Force threat: An Indian Perspective, Manas Publication, New Delhi, 2003

23. M.L. Sali, India- China Border dispute: A case study of Eastern Sector, A.P.H. Publishing, New Delhi, 1998
24. John R.R. Faust, Judith F. Kornberg, China in World Politics- Policies Processes and Prospects, Lynne Rienner Publishers, Boulder, USA, 1995
25. C.K. Kapur, Chinese Military Modernization, Manas Publications New Delhi, 2003
26. Andrew Scobell, China's Use of Military Force, Cambridge University Press, New York, 2003
27. Jasjit Singh (ed), India, China and Panchsheel, Sanchar Publication House, New Delhi, 1996
28. Liu Xuecheng, The Sino-Indian border dispute and Sino-Indian relations, University Press of America, 1994
29. Immanuel C.Y. Hsu, Rise of modern China, Oxford University Press, New York, 2000
30. Shen Qurong & Bhabani Sengupta (eds), China looks at the World, Konark Publisher Pvt. Ltd. Delhi, 1999

Paper-IX, Science & Technology in Relation to Warfare

Maximum Marks: 80

Time: 3 Hours

Note:- 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; Relationship between Technology and Weapon Systems; and Impact of Emerging Technologies on Strategy and Tactics; and Military Technology and its Impact on Land, Sea and Air-Power.

Unit: II Relevance of Science and Technology in National Security; 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: III Growth and Development of Nuclear Power in India; Growth and Development of Space Technology in India; Revolutions in Military Affairs (RMA); and Impact of RMA on Indian Defence.

Unit: IV Electronic Warfare- Concept and Application; Information Warfare- Concept, Application and Implications; 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; India's Achievements, Problems and Limitations in Ocean Technology; Defence Research and Development Organization (DRDO): Objectives, Achievements and Limitations.

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

23. 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).
24. R.K. Suri, T.N. Chhabra, Cyber Crime, (New York, Pentagon Press, 2004).
25. R.L. Jetley, Rockets, guided missiles and satellites.
26. Samir K. Sen, Military Technology and Defence Industrialization, (New Delhi, Manas Publication, 2000).
27. Thomas & Hamnas, On War in the 21st Century, (Delhi, Manas Publications, 2004).

Paper-X, International Law

Maximum Marks: 80
Time: 3 Hours

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

Unit-I Nature, basis & sources of International Law, Origin & Development of International Law: Codification: Relationship between International Law and Municipal Law; Subjects of International Law.

Unit-II International Legal Principles: State Succession, Recognition, Extradition, Asylum, Nationality, Intervention, Hijacking, Diplomatic Privileges & Immunities; Treaties.

Unit-III State Territory and Jurisdiction over Land, Air & Sea, Acquiring & Losing of State Territory : Laws of Sea; Laws of Outer Space, Protection of Environment, Major Conferences and Position of Third World Countries.

Unit-IV Conflict and War, Means for settlement of disputes, Laws of War-Land, Aerial and Maritime, Treatment of POWs, War Crimes.

Unit-V International Law and Economic Development: Third World Concerns, Neutrality, Rights & Duties of Neutrals, Blockade, Prize Courts and Contraband.

READINGS :

- Brownline, Principles of Public International Law, Oxford, Clarendon Press, 1973, Second Edition.
- C.G. Fenwick, International Law, Bombay, Vakils, 1971.
- J.G. Starke, An Introduction to International Law, London, Butterworths, 1972.
- P.E. Corbett, Law and Diplomacy, Princeton NJ, Princeton University Press, 1959.
- K. Deutsc and S. Hoffman (ed.), The Relevance of International Law, Oxford, Clarendon Press, 1955.
- L. Duguit, Law in the Modern State, New York, B.W. Huebsch, 1919.
- W. Friedmann, The Changing Structure of International Law, New York, Columbia University Press, 1964.
- H. Kelsen, Principles of International Law, New York, Rinehart and Co., 1952.
- J. Mattern, Concepts of State, Sovereignty and International Law, Baltimore, Johns Hopkins Press, 1928.
- L. Oppeheimer, International Law Vol. 1, 1969, Revised edn., Vol II, 1953.
- J. Stone, Legal Controls of International Conflict, New York, Rinehart and Company, 1954.
- C. de Visscher, Theory and Reality in Public International Law, Princeton NJ, Princeton University Press, 1957.
- Sir J.F. Williams, Aspects of Modern International Law, New York, Oxford University Press, 1939.