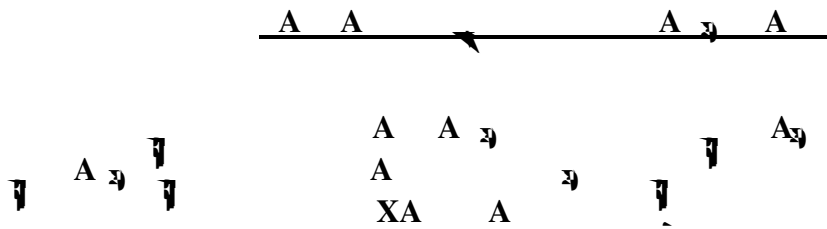


PANJAB UNIVERSITY, CHANDIGARH

(Etted. under the Panjab University Act VII of 1947- enacted by the Govt. of IM:3209P4X2L7FTJ



D.S. 1: NATIONAL SECURITY CONCEPTUAL ASPECT

D.S. 2: CONCEPTS AND THEORIES OF INTERNATIONAL RELATIONS

D.S. 3: ART OF WAR

D.S. 4: ARMED FORCES AND SOCIETY

D.S. 5: DEFENCE ASPECTS OF INTERNATIONAL RELATIONS

D.S. 6: STRATEGIC ASPECTS OF INDIA'S SECURITY

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↻ : The paper deals with the conceptual aspects of national security; its objective, nature, character and emerging trends.

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- (i) The theory question paper will be of 80 marks and 20 marks will be for internal assessment.
- (ii) For improvement and reappear candidates, who have not been assessed earlier for internal assessment, the marks secured by them in theory paper will proportionately be increased to maximum marks of the paper in lieu of internal assessment.

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- 1. The maximum marks for the theory paper shall be 80.
 - 2. The duration of examination shall be three hours.
 - 3. There shall be nine questions in all, one compulsory and two questions each from Section I to IV
 - 4. The compulsory question shall contain 15 short answer-type questions covering the entire syllabus out of which candidates have to attempt 10 only. Each short answer-type question should not exceed 30 words and shall carry 2 marks.
 - 5. Attempt 4 questions in all from Sections I to IV selecting at least one from each Section.

 n

- 1. Explaining National Security, National Defence and National Interest.
- 2. Evolution of the National Security Concept in 20th Century and Beyond.
- 3. Key Concepts of Security: Individual, Sub-National, National, Regional and Global.

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- 4. Objectives, Core Values and Challenges of National Security and National Interests.
- 5. Nature and Character of Threats to National Security: Emerging trends and changing Nature of Warfare.

6. Emerging Trends in National Security: An Overview of Political, Economic, Socio-Cultural Problems.
7. Non-Traditional Dimensions of Security: Energy, Food, Water, Health Environment, Finance, Drug Trafficking and Money Laundering.

8. Higher Defence Organization and decision-making structures in U.S.A., U.K., Russia, China and Pakistan.
9. National Security and the Concept of Joint Defence Structure in Modern Armies.

1. Annual Reports of Ministry of Defence, Government of India.
2. ARTRAC, Indian Army, National Security: Fundamentals, Doctrines and Concepts (Shimla, H.C. ARTRAC, 1999).
3. Gautam Sen, India's Security considerations in Nuclear Age, (New Delhi, Atlantic, 1986).
4. Joseph Frankel, National Interest, (Michigan, University of Michigan, 1970).
5. K. Subramanyam, Our National Security, (New Delhi, Economic and Scientific Research Foundation, Federation House, 1972).
6. L. J. Kavic, India's Quest for Security, 1947-1965, (New York, Columbia University Press, 1962).
7. P. N. Kathpalia, National security perspectives, (New Delhi, Lancer International, 1986).
8. R. N. Mishra, Indian Ocean & India's Security, (New Delhi, Mittal Publishers, 1985).
9. Rajendra Prasad, India's Security in 21st Century, (New Delhi, Dominant, 2001).
10. S. S. Khera, India's Defence Problem, (Bombay, Orient Longmans, 1968).
11. Thomas Raju & Amit Gupta, India's Nuclear Security, (New Delhi, Sage/Vister, 2000).
12. Thomas, Raju, India's Security Policy, (Princeton, Princeton University Press, 1986).

→



↙ : The paper gives out the various theories and concepts of international relations including issues of current relevance



- (i) The theory question paper will be of 80 marks and 20 marks will be for internal assessment.
- (ii) For improvement and reappear candidates, who have not been assessed earlier for

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↪ : The paper deals with the strategic theorists having propounded doctrines related to the art of warfare, land, sea and air.

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 5. Attempt 4 questions in all from Sections I to IV selecting at least one from each Section.

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1. Sun Tzu's Art of War.
2. Kautilya's Philosophy of War.

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3. Machiavelli's views on Art of War.
4. Vauban's theories on the Impact of Science on War, Fortification and Siege Warfare.
5. Frederick's views on War.

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6. Clausewitz's views on War: Theories, Strategies and Tactics.
7. Fuller's views on Mechanized Warfare.

8. Mahan's contribution to the Sea Power and Naval Warfare.
9. Theories on Strategic Air-Power: Views of Douhet and Mitchell.

1. A. T. Mahan, The influence of Sea Power Upon History 1660- 1783, (Dehradun, Natraj Publishers, 2003).
2. Brian, W. Blout, (edit), Global Geostrategy: Mackinder and the Defence of the West, (2005).
3. Carl Von Clausewitz, On War, (London, Kegan Paul, 1908).
4. Col. J. F. C. Fuller, On Future War, (London, Sifton Praed & Co. Ltd. 1928).
5. E. M. Earle, Makers of Modern Strategy: Military Thought from Machiavelli to Hitler, (Princeton University Press, 1948).
6. Jay Luvaas, Napoleon on the art of war, (Michigan, University of Michigan, 1999).
7. Lawrence Freedman, War, (New York, Oxford University Press, 1994).
8. Martin Van Creveld, The Art of War & Military thought,

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↓ : Armed forces and society has an important interface. The paper is about military organization and its role in society.

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- (i) The theory question paper will be of 80 marks and 20 marks will be for internal assessment.
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 n

1. State, Society and Armed forces.
2. Military organization: Discipline, Leadership, Hierarchy, Coordination, Motivation and Morale in the Armed forces.
- 3.

5. Post-war social problems:
 - a) Prisoners of War.
 - b) Problems of large scale disbandment of personnel.
 - c)

n

2. Diplomacy and use of Force:
 - a) Meaning and Types of Diplomacy
 - b) Role of Diplomacy in Conflict Management
 - c) Security and Co-operation in International System
 - d) Use of force in Conflict Management

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3. The United Nations:
 - a) Structure, Functions & Role.
 - b) India's role in UN Peace keeping Force.
 - c) Restructuring of UN.
4. Regional Organizations: GCC, ASEAN, BIMSTEC, SAARC, SCO, BRICS, IBSA etc.

n

5. Cold War and Detente:
 - a) Cold War : Meaning and Evolution
 - b) Deterrence and Detente : Meaning, Nature and Scope
 - c) New Cold War
 - d) Emerging World Order
6. Disarmament & Arms Control: Different types, efforts and achievements of UN.

n

1. Clive Jones and Caroline Kennedy, International Security in a Global age, (London,

n

2. India's Security Doctrines:
 - a) India's Army and Cold Start Doctrine
 - b) India's Maritime Doctrine.
 - c) Nuclear Policy of India.

n

3. India and the Emerging World Order.
4. India's Strategic relations with Neighboring Countries.

n

5. Higher Defence Organization and Planning in India.
6. Structure, Role and Capabilities of Indian Armed Forces and Para-Military Forces.

n

1. Anil Kumar Singh, India's security concerns in the Indian Ocean region (Delhi, Har-Anand Publications, 2003).
2. Banerjee, Dipankar, (edit), Security Studies in South Asia: Change and Challenge (New Delhi, Manohar Publisher, 2000).
3. Brahma Chellaney, (edit), Securing India's Future in the New Millennium, (London, Sangam Books, 1999).
4. George K. Tanhem, Kanti Bajpai and Amitabh Mattoo, Securing India: Strategic thought and Practice in an Emerging Power, (Manohar Publishers and Distributors, New Delhi, 1996).
5. J. N. Dixit, (edit) External Affairs: Cross-Border Relations, (2003 New Delhi, Roli Books).
6. J.N. Dixit, India's foreign policy, 1947-2003 (New Delhi, Picus Books, 2003).
7. K. V. Krishna Rao, Prepare or Perish: a study of National Security, (Delhi, rs nabh Mattoo, .26ta25

1. Theories of Geopolitics
 - a) Mackinder's Heartland theory.
 - b) Haushofer's views on Geopolitics.

7. Patrick O'Sullivan, Geopolitics, (London, Routledge, 1998).
8. R. P. Kangh, The Kautilya: Arthasastra, (Bombay University Press, 1965).
9. Shekhar Adhikari, Modern Strategic Thought: Machiavelli to Nuclear Warfare, (New Delhi, Kilaso Books, 2004).
10. Windsor, Strategic thinking, (New Delhi, Viva books private limited, 2006).

4. The compulsory question shall contain 15 short answer-type questions covering the entire syllabus out of which candidates have to attempt 10 only. Each short answer-type question should not exceed 30 words and shall carry 2 marks.
5. Attempt 4 questions in all from Sections I to IV selecting at least one from each Section.

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1. Research: Application, Types & Paradigms.
2. Basic Elements of Research: Selection & Formulation



1. Regional State System of South Asia: Its evolution and Geo-political structure.
- 2.

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2. Determinants of Defence Expenditure: Threat perceptions, Capabilities and Policies.



3. Economic Warfare: Nature, Content and Scope.

4. Defence and Development : Concept and its Implication for India



5. Defence Budget:

a) Structure of Defence Budget

b) Financial Committees of the Parliament – Public Account Committee, Estimate Committee

c) Performance Budgeting – Comptroller and Auditor General (CAG)

6. Resource Mobilization and Fiscal Policy of War :

a) Domestic

b) Foreign



5. India's Policy for Defence Production – Rationale for Arms production in the Third World.

6. Trends and Analysis of India's Defence spending since Independence.

n

1. A. C. Pigou, Political economy of war. (LLC, Biblio Bazaar, 2009)

2. Amiya Kumar Ghosh, India's Defence Budget and Expenditure Management in a wider context, (New Delhi, Lancer Publication, 1996)

3. Annual Reports: IISS, Military Balance (yearly)

4. D. D. Khanna and D.N. Mehrotra (eds.) Defence & Development: A case study of India, (New Delhi, Indus Publishing House, 1993).

5. Emile Benoit, Defence and Economic Growth in Developing Countries, (Lexington, Massachusetts, 1973).
6. G. Crowther, Way and Means of War. (London, Oxford University Press, 1940)
7. Gavin Kennedy, Economics of Defence, (London, Faber & Faber, 1975).
8. K. Subramanyam, Defence and Development, (Calcutta, Minerva Associates, 1973).
9. K. Subramanyam, Perspective in Defence Planning, (New Delhi, Abhinav, 1972).
10. Meena Dutta and Jai Narain, Defence Economics, (New Delhi, Deep & Deep Publication, 2005).
11. Ron Mathews, Defence Production in India, (New Delhi, ABC, 1989).
12. S. S. Khera, India's Defence Problems, (Bombay, Orient Longman , 1968).
13. Thomas Raju, The Defence of India: A Budgetary Perspective of Strategy and Politics, (Bombay, Macmillan, 1978).

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 5. Attempt 4 questions in all from Sections I to IV selecting at least one from each Section.

-
1. Military Geography of China: Location, Size and Strategic importance
 2. Population, Composition and Characteristics of major Ethnic groups

-
3. Detailed History of China until the establishment of Communist regime
 4. Determinants of Foreign and Defence Policy of China

-
5. China's Military Modernization Programme
 6. China's Nuclear & Space Development Programme

-
7. China's relations with:
 - a) USA
 - b) India
 - c) Russia
 - d) Pakistan
 - e) Central & West Asia
 8. China's Maritime Strategy

1. Alka Acharya, *China's Rise and its Impact on India*, Har- Anand Publications, New Delhi, 2008.
2. Andrew Scobell, *China's Use of Military Force*, Cambridge University Press, New York, 2003.
3. B. R. Deepak, *China's Rise and its Impact on India*, APH Publishing House, New Delhi, 2001.
4. C.K. Kapur, *Chinese Military Modernisation*, Manas Publications. New Delhi, 2003.
5. Dinesh Lal, *China's Rise and its Impact on India*, Kalpaz Publications, New Delhi, 2008.
6. Immanuel C.Y. Hsu, *Rise of modern China*, Oxford University Press, New York, 2000.
7. Jasjit Singh (ed), *India, China and Panchsheel*, Sanchar Publication House, New Delhi, 1996.
8. John R.R. Faust, Judith F. Kornberg, *China in World Politics- Policies Processes and Prospects*, Lynne Rienner Publishers, Boulder, USA, 1995.
9. Liu Xuecheng, *The Sino-Indian border dispute and Sino-Indian relations*, University Press of America, 1994.
10. M.L. Sali, *India- China Border dispute: A case study of Eastern Sector*, A.P.H. Publishing, New Delhi, 1998.
11. R.V. Kumar, *Chinese Air Force threat: An Indian Perspective*, Manas Publication, New Delhi, 2003.
12. Ravi Vohra, P. K.Ghosh(eds), *China's Rise and its Impact on India*, National Maritime Foundation, Anamaya Publishers, New Delhi, 2008.
13. Shen Qurong & Bhabani Sengupta (eds), *China looks at the World*, Konark Publishers Pvt. Ltd., Delhi, 1999.
14. Susant Shirk, *China's Rise and its Impact on India*, Oxford University Press, New York, 2007.
15. Vishnu Saraf, *China's Rise and its Impact on India*, Macmillan Publishers India, 2008.

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1. Relevance of Science and Technology in National Security
2. Military Technologies and their Impact on Land, Sea and Air warfare

3. Growth and Development of Nuclear Power in India
4. Growth and Development of Space & Ocean Technology in India

5. International Interdependence and Transfer of Technology
6. Political, Military and Economic impact of Transfer of Technology

7. New Technologies and their relevance to Security system:

- a) Rockets and Missiles
- b) Information Technology/Cyber/Hacking.
- c) Biometrics
- d) Bio-Technology
- e) LASERS/Satellite
- f) Dual Technology
- g) Nuclear Weapons
- h) NMD
- i) Stealth

Electronic Warfare and Application of Electronic System in the Military Activities C,
I₂SR.

1. Asian Productivity Organization, Intra-national Transfer of Technology, (Asian Productivity Organization, 1976).
2. B. S. Nanda, Science Technology in India's Transformation, (New Delhi, Concept, 1986).
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 Publishers, 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 (New Delhi, Concept Pub. Co, 1986)
8. Jayanta Kumar Ray, Security in the missile age, (Allied Publishers, New Delhi, 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. Samir K. Sen, Military Technology and Defence Industrialization, (New Delhi, Manas publications, 2000).
14. Thomas & Hamnas, On War in the 21st Century, (Delhi, Manas Publications, 2004).

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→ : The paper deals with military organizations of various armies since ancient times with special reference to their strategies and tactics adopted in the decisive battles fought in India.

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(i) The theory question paper will be of 80 marks and 20 marks wi

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1. Military Geography of Pakistan: Its Geo-Strategic Significance
2. People and their Ethnic composition with special reference to Bloch and Pashtuns.



3. Determinants of Foreign and Defence Policy of Pakistan
4. Pakistan's Politics and Role of military
5. Pakistan and its Internal Security Problems



6. Role of US in Pakistan Politics
7. Pakistan's relations with China, India, Central Asia, Afghanistan and Iran
8. Pakistan and Terrorism: The emerging manifestations



9. Pakistan and its Nuclear Policy
10. Defence Potential of Pakistan

1. B.P Barua, Politics and constitution-making in India and Pakistan, Deep & Deep Publications, New Delhi, 1984.
2. Bidanda M. Chengappa, Pakistan: Islamisation, army and foreign policy, A.P.H. Publications, New Delhi, 2004.
3. E. Sridharan, The India-pakistan Nuclear Relationship: Theories Of Deterrence And International Relations, Routledge, 2007.
4. Gurmeet Kanwal, Pakistans Proxy War, Lancer Publishers, New Delhi, 2002.
5. Jagdish P Jain, China, Pakistan, and Bangladesh, Radiant Publishers, New Delhi, 1974.
6. Jai Prakash Sharma, Federal systems of India and Pakistan : A comparative perspective, Printwell Publishers : Exclusive distributor, Rupa Books International, Jaipur, India : 1987.
7. Jaswinder Kumar, Irritants in Indo-Pak relations, Deep & Deep Publications, New Delhi, 1989.
8. K.K. Bhardwaj, Pakistan's March to Democracy and Libera

