

M.Sc. (Final) 2005-06 onward Core Papers

Core Paper I : National Security

Course Content :

1. Concept of national Security with reference to the contemporary thinking.
2. Power theories :
 - (i) The imprecision of power as a concept.
 - (b) Attempt to operationalise the definition of power.
 - (c) The power profile of Nation states.
 - (d) The tangible elements of power :

Geography, population, territory, natural resources and industrial capacity, agricultural and military strength and credibility.

Intangible Elements of Power :

 - (a) Leadership
 - (b) Bureaucratic organizational efficiency.
 - (c) Type of Government
 - (d) Social cohesiveness, reputation, foreign support and dependency, accidents.
3. Alternative Models of International Security :
 - (i) Alliance of Power

- (ii) Collective Security.
- (iii) Collective Defence
- (iv) Non-alignment
- 4. Arms proliferation as a constraint in national, regional and International security. Prospects for Arms Control.
- 5. International Terrorism : Concept, application and importance in modern times.
- 6. Insurgency and counter-insurgency.
- 7. Linkages between foreign and Defence policies and the domestic Developments.

II

- 8. Problems and policy of India's security and Defence in pre-independence period.
- 9. India's quest for security, problems, foreign and Defence policies and postures with reference to 1948 conflict, 1962 conflict, Kutch dispute 1965, 1965 conflict and 1971 War.
- 10. India's Nuclear policy :
 - (i) Scientific and Tehnology developments.
 - (ii) Developments in the Nuclear field in the Third World its security implications for India.
 - (iii) India's Nuclear relations with great powers.
- 11. Internal security of India : Economic, Political, Scientific and Technological, Military and allied aspects.
- 12. Security problems in the different regions of India.
- 13. India in the strategic environment of Indian Ocean.
- 14. Civil-Military relations and its implications for security and Defence.
- 15. India's Defence and Military Preparedness.

Selected Readers :

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|------------------------------|---|
| 1. Abie, WAC | Oil Politics and Sea, the Indian Ocean ports. |
| 2. Agrawal, RK | Defence Production and Development. |
| 3. Alan, S. and Ready | Social-Economic Dev. Problems South and Southeast Asia. |
| 4. Ali, S.H. and Ramchandani | Indian and the Western Indian Ocean |
| 5. Anand, VK | Insurgency Frontier of India |
| 6. Bajpai, SC | Northern Frontier of India |

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| 7. | Bajpai, US | Non Alignment-Prospective & Prospect. |
| 8. | Bandopadhyay, J | Making of India's Foreign Policy |
| 9. | Bose, NS | India in the 80s |
| 10. | Bose, NS | India and the US |
| 11. | Chaudhary, JN | India's problem of national Security in the 70s |
| 12. | Chandra's (Ed.) | Regionalism and national Integration |
| 13. | Chatterjee, PN | India Land borders, Problems and Challenges |
| 14. | Chopra, PN | On and Indian Border |
| 15. | Chopra, PN | Quit India Movement |
| 16. | Cohen, SP | The Indian Army |
| 17. | Cohen, SP | The Pakistan Army |
| 18. | Chaudhary | Indian Pakistan |
| 19. | Dalvi, JP | Social Background of Indian Nationalism. |
| 20. | Desai, AR | Social Background of Indian nationalism. |
| 21. | Dourie, J | Punjab, northwest Frontier province and kashmir. |
| 22. | Fisher, MW & Other | Himalayan Battleground, Sino-Indian rivalry Ladakh. |
| 23. | Nankkishore | International Terrorism |
| 24. | Singh, LJ | National Defence and Security |
| 25. | Jain, JP | Nuclear India |
| 26. | Kavic, LJ | India's Quest for Security-Defence Policy 1947-65 |
| 27. | Rao, PVR | India-Defence Policy and Organization since Independence |

Core Paper- 2 : Evaluation of Modern Warfare (Strategic Thought)

Course Content :

16th to 18th Cenmtury : The Origins of Modern War

1. The renaissance of the Art of War : Machiavelli
2. The impact of science of War : Vauban

3. Concept of Dynastic and national War : Fredrick the Great.

19th Century : The Classics :

1. On War, War and its relationship with politics, Strategy and tactics : Carl Von Clausewitz.
2. Concept of Mass Army, Strategy, Tactics and Logistics : Jomini;
3. The Economic Foundations of Military power : Adam Smith and Friedrich List.

Industrial revolution to world War- I

1. Military concepts of Social Revolutions : Engles and Marx
2. The Prussian- german school of thought : Moitke & Schlieffn.
3. The French School of Strategic thought : du Piqu & Marshal Foch.

From first World War to Second World War :

1. The emergence of the civilian : Churchill, Lloyd george, clamences
2. German concept of total war : Ludendorff.
3. Soviet concept of war : Lenin, Trotsky & Stalin
4. The doctrine of limited Liability and Mobile Defence, Total War Deterrence, Impact on Israeli Military : Liddel Hart and dagaulle.
5. Concept of mobile operations, advent of thanks of science conduct of war : Gen. J.F.C. Fuller.
6. The concept of Geo-politics : Haushofer
7. Theory of Sea Power and Naval Strategy : A.T. Mahan
8. Heartland Theory and continental doctrine of Sea Power : Halfred Mackinder.
9. Theories of Air Power : Dohet, Mitchell Seversky
10. The Nazi Concept of War : Adolf Hitler

Second World War to Date

1. Chinese concept of war, strategy & tactics of guerilla warfare : Mao Tse Tung
2. Conventional warfare in nuclear Age, Concept of Disarmament and Arms Control.
3. Reflections on strategy in the present and future
4. The First Two Generations of Nuclear Weapons and their Impact on the contemporary nuclear Strategy.

Selected Readings :

1. Abie, WAC Chinese Strategic Thinking under Mao Tse

		Tung
2.	beaufre, A	An Introduction to Strategy
3.	Brien, Bend	Liddel hart : A study of his military Thought
4.	Bullock, A	Hitler A Study in tyranny
5.	Churchill, W	Second "World War"
6.	Clausewitz, V	On War
7.	Cellier, H	History of Air Power
8.	Earl, EM	Makers of Modern Strategy
9.	Falls, C	Art of War
10.	Fay, SB	The Origin of the World War- I
11.	Fuller, JFC	The Conduct of War
12.	Fuller, JFC	Armoured Warfare
13.	Gilbert, G	The Evolution of Strateg
14.	Compert, DC	Nuclear Weapons and World Politics
15.	halperin, MH	Contemporary Military Strategy
16.	Hart, BHL	Deterrent of Defence
17.	Howard, M	Theory and Practice of War
18.	Kahn, JM	Security in the Nuclear Age
19.	Nankkishore	International Terrorism
20.	Teader, L	Air Power in War

Core Paper- 3 Science And Technology in War

Course Contents :

1. Science And Society :
 - (a) Science, Technology and Society in Different historical contexts.
 - (b) Technological breakthroughs and societal changes.
2. Technology and Interdependence :
 - (a) Structure of International Interdependence.
 - (b) Transfer of Technology
 - (c) Military Industrial complex.
 - (d) Nuclear technologies : First, Second and Third Generation Technology.
 - (e) Space : Concepts & Technologies, their implication for security.

- (f) Communications
- (g) Role of chemical and Biological technologies and its linkage with military uses.
- 3. New Military Technologies :
 - (i) New conventional weapons
 - (ii) Precision Guidance
 - (iii) Stand off guidance and control
 - (iv) Target acquisition command and control
 - (b) New Strategic Technologies :
 - (i) Accuracy
 - (ii) Throw-weight, yield and MIRV
 - (iii) Command, Control, Communication Computer and Intelligence Introduction.
- 4. Indian Policy and Problems of national Security :
 - (i) Science, Technology and Industrial Growth
 - (ii) Defence and Development Role of Defence Research and production.
 - (iii) Concept of Integrated Science Policy and its relevance for National Security.

Select Readings :

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| 1. | Roli, Inclarki | The Science and of War and Peace |
| 2. | Fuints, haishan | Science and Politics |
| 3. | Klans, Knorr | Science and Defence |
| 4. | Plorovaky | Science and Technology in Contemporary War |
| 5. | Vennevar, bush | Science the Endless Frontier |
| 6. | Govt. of India Pub. | Nuclear Explosions and Their Effects |
| 7. | Defence Book | Defence in the Nuclear Age |
| 8. | Singh, JB Gen. | Military Science and Armament. |

Optional Papers :

Optional Paper- I

Area Studies (Compulsory)

Course Contents :

South Asia & Indian Ocean

1. South Asia :

- A. National and Regional Security : Concepts and Linkages
- B. Sources of threat to Security in South Asia

Global : Great Power rivalries Weapons Proliferation. Areas of tension, and instability.

Regional : Inter-State conflicts, regional arms race, and divergent strategic perspectives.

Internal : Domestic discords, Internal politics, Ideological conflicts, and their externalization, insurgencies, local wars and uprisings,

C. Foreign Policy response to security problems :

Non-alignment and alignment, mutual security arrangements, peace-zone approaches.

D. Military Preparedness for security :

Armed force, Weapons (Trade & Production), Nuclear capabilities.

2. Indian Ocean :

A. Indian Ocean Region as a concept and reality

B. Political, Strategic, Economic and Military Importance of Indian Ocean.

(1) Ideologies in Indian Ocean

(2) Economic and Strategic Interdependence of the Indian Ocean region.

(3) Major Powers Vs. Middle Powers and Militarization in the Indian Ocean Region.

(4) Structure and Strategy in Indian Ocean Naval Development

C. Interest of External Powers :

USA, RUSSIA, CHINA, JAPAN & WESTERN EUROPE.

D. Future trends and Prospects of Security in the Region.

Books, Articles, reference as recommended by the teacher concerned.

Optional Paper- 2 : International law (legal Aspect of International Security)

Course Contents :

1. Concepts of International Law :

(i) Nature and Definition of International Law.

(ii) Sources and Historical development of International Law.

(iii) Subject of International Law.

(iv) Codification of International Law.

- (v) Relation between International Law and National Law.
- (vi) International Law and the Third World Perspective.

2. International Law related to Laws of War :

War in general, Characteristics of War, The Laws of War. The Belligerents. Effect of outbreak of War.

Violence against enemy persons, Treatment of Wounded, the sick and the dead captivity, Appropriation and use of Enemy public and private, Destruction of enemy property, Assault Siege and Bombardment, Espionage rules, Occupation of Enemy Territory.

War of Sea :

Attack and Seizure of enemy vessels, Appropriation and destruction of enemy merchant vessels/men, Prize Court, Treatment of the wounded and ship wrecked.

War on AIR/AIR Warfare :

Military Aircraft, Rules of Air Warfare in relation to the rules of war on land and at sea. Aerial bombardment, Attack on enemy merchant vessel. Liability of civil aircraft to capture.

3. Nuclear Warfare :

Nuclear Warfare and the laws of war.

4. **The law of Peace :**

- (i) Concept of States and its Types.
- (ii) Right of self-Defence
- (iii) Recognition of states
- (iv) Intervention.
- (v) State succession
- (vi) Responsibility of State
- (vii) State jurisdiction
- (viii) International Terrorism and International Law
- (ix) U.N. Organization and Role
- (x) Nationality
- (xi) Treaties.

5. **Legal control of International conflict :**

Non-hostile relations of belligerents. Truces, capitulation and surrender, armistice.

Means of encoring legitimate warfare-reprisal, punishment war crimes, hostages

According to Charter of the UNO

Neutrality :

- (i) Definition of Neutrality; its characteristics; Relation between belligerents and neutral State; Rights and duties of Neutrals State.
- (ii) Blockade : Definition, breach, The long distance blockade.

- (iii) Contraband : Meaning and definition; Absolute and conditional contraband.
- (iv) Rights of belligerents : The Right of Attack, the Right of visit and search.

Blockade :

Conception Establishment, breach and penalties for breach, the long distance blockades.

Books Recommended :

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|-----|-------------------|---|
| 1. | Jassap Phillip C. | A modern Law of nations (the Macmillan Co. New York, 1949) |
| 2. | Oppenheim | International Law Vol. I & II. |
| 3. | Stone Julius | Legal Control of International Conflicts. |
| 4. | Castren | Modern International Law of War. |
| 5. | Wright Quincy | Study of War, Vol. I & II. |
| 6. | Carb | The Relativity of War and Peace. Vol. I & II |
| 7. | J. Starke | International Law |
| 8. | Fenwick | International Law |
| 9. | Dhokalia, R.P. | International Law |
| 10. | Brownlie Ian | Principles of Public International Law |
| 11. | Sorensen max | Manual of Public International Law |
| 12. | Kotzsch | The Concept of war in contemporary history and International Law. |
| 13. | Briely | The law of Nations. |
| 14. | Oscar Syarlien | An Introduction to the Law of Nations. |

Practical M.Sc. Part- II

M.M. 100 Marks

1. The Student will be required to prepare a dissertation of specified subjects under the supervision of a teacher in the department. He will be examined at the time of Viva Voce examination

60 Marks

2. Field Excursions

40 Marks