Paper I: Evolution of Strategic Thoughts (Compulsory) (Part A)

UNIT-I
1. Introduction: Approaches to the Study of Strategy elements
   Early concept of modern Strategy:
2. Machiavellian: Concept of the Role of Army and Military

UNIT-II
1. Vauban: The concept to Attack by Parallels ans Art of Fortification
2. Fredrick the Great: Strategy of War: Mobile Artillery
   Operational Planning & Maneuvers

UNIT-III
Napoleon and His Interpreters
Napoleon Bonaparte: Contribution to the Art of War
Clausewits: Concept of absolute War

UNIT-IV
1. Karl Marx and Engel’s: Concept of Modern Total War
2. Mao Tse Tung and Che Guevara: Guerilla Warfare

UNIT-V
Economic Concept
1. Adam Smith: Economic Influence in National Power
2. Fredric List: Economic Relation With
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Paper list: History of Warfare in the west from 1861-1945 (Compulsory)

UNIT-I

(1) Industrial revolution and its influence on American Imperialism
(2) Practical application of the concept of war in the Battle of Chattanooga (Nov. 1863) and subsequent development of the American Civil War.

UNIT-II

(1) Expansion of Prussia and First Battle of Sadan (1870)
(2) Increasing importance of transport and communication, impact of development heavy artillery on War

UNIT-III

(1) Siege of Port Arthur (1904-1905)
(2) Foundation so First World War (1914-1917), impact of industrial and commercial rivalry

UNIT-IV

(1) Battles of Marne (1914)
(2) Battles of Tannenburg (1914)

UNIT-V

(1) End of Mobile warfare and beginning of Siege Warfare.
(2) Impact of Siege Warfare till the Battle of Amiens. (1918)
UNIT-I  Introduction

1 Basic concept & Meaning of Disarmament and arms control
2 Utility of Disarmament

UNIT-II  Historical background

(a) Washington Conference 1921-22
(b) Geneva Conference 1927
(c) First London Conference 1930
(d) Second London Conference 1945

UNIT-III  

(1) Causes of failure of Disarmament efforts before II World War
(2) Efforts of Disarmament & arms Control after Second World War

UNIT-IV  

1 Strategic Arms Limitation treaty Ist (SALT-I)
2 Strategic Arms Limitation treaty Iist (SALT-II)
3 INF Treaty

UNIT-V  

1 Disarmament and chemical Weapons
2 Disarmament and Biological Weapons
3 Protection against chemical Weapons
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Paper IV: Science and Technology in War

UNIT- I
1. Science and War in History
2. Defence and Civil Technology
3. Research and Development

UNIT- II
1. Defence Industry and technology
   2. Production cycle
   3. India's Defence Production

UNIT- III
1. Nuclear Weapons Fission and Fusion Bombs
2. Spread of Nuclear Weapons
3. Missile Family

UNIT- IV
1. Jet and Rocket Motor Engines
2. Space and its Military Role
3. LASER Rays.

UNIT- V
1. Developments of Armaments in India Since 1947
2. Effect of Science in Dmunitiation of Human Suffering
3. Ennoblings of War and World Problems.