

**Department of Defence and Strategic Studies**

Punjabi University, Patiala 147002

(Established under Punjab Act No. 35 of 1961)

**Syllabus for Ph. D. Entrance Test for Session 2024-25**

**Section-A**

**(Research Methodology )**

1. Research Methodology: meaning, objectives, characteristics, features of research and its significance in social sciences, Reasoning Process, Types of Research.
2. Methods of Explanation: Inductive and Deductive approaches
3. Objectivity and Value Neutrality
4. Approaches and Scientific methods of research in social sciences.
5. Research Design: types and formulation.
6. Research Process & Planning: Process Models, Identification of a Research Problem, **Statement of Research problem, Review of Literature, Hypothesis, Data Collection.**
7. Sampling: concept, principles and types of sampling.
8. Data collection: observation, questionnaire, schedule, interview and use of secondary sources of data.
9. Data Analysis: Data Distribution, Data Tabulation, Techniques of Data Analysis, Statistical Techniques, Testing of Hypothesis, Data Representation, Interpretation processing.
10. Use of Information Technology and Computer Applications in research.
11. Report Writing: Principles of Report Writing, Research Report Format, Style & Methods of Report Writing, Documentation, Usage of Computers in Research.
12. Research ethics and plagiarism

**Section-B**  
**(Subject)**

**1. CONCEPTUAL ASPECTS OF WAR**

- i. Evolution of Warfare: Animal Warfare, Primitive Warfare, Historical Warfare and Modern Warfare.
- ii. Classification of War: Conventional War, Guerrilla War, Limited War, Low-intensity Conflict, Hybrid War.
- iii. Theories of Nuclear Deterrence.
- iv. Terrorism, Counter-terrorism, Cross-border terrorism, State-sponsored terrorism, State Terrorism, Global/International terrorism

**2. STRATEGIC THOUGHT**

- i. Philosophy of War: Kautilaya and Sun Tzu
- ii. War as an instrument of policy: Karl von Clausewitz
- iii. Geopolitics: Mackinder, Haushofer
- iv. Sea Power: AT Mahan
- v. Guerrilla warfare: Mao Tse Tung

**3. INTERNATIONAL RELATIONS**

- i. Nation, State and Nation-State system.
- ii. Elements of National Power.
- iii. National Interest; Balance of Power; Collective Security; Balance of Terror.
- iv. Military Alliances and Pacts, Peace Treaties, Defence Cooperation, Strategic Partnership and Security Dialogue.
- v. Determinants of India's Foreign Policy.
- vi. India's Relations with its neighbours.

**4. CONCEPTS OF SECURITY**

- i. Global Security; Regional Security; National Security; Human Security; Environment Security;
- ii. Determinants of National Security.
- iii. Defence and Security Policies: Formulation and linkages.
- iv. International Security Environment.

**5. DIMENSIONS OF INDIAN SECURITY:**

- i. India's Security Problems as result of partition of 1947:
  - a. Geo-political effects
  - b. Jammu & Kashmir Problem
- ii. India's Security problems related to Pakistan, China, Bangladesh and Nepal.
- iii. India's Internal Security problems: Insurgency in North Eastern States, Militancy in Jammu & Kashmir and Left-Wing Extremism.
- iv. India's maritime security.
- v. India's Maritime doctrine, strategy and capabilities.
- vi. India's Nuclear Policy: Nuclear Doctrine and Capability.
- vii. Disaster Management in India.
- viii. Civil Military Relations in India

## **6. DEFENCE ECONOMICS**

- i. Effects of War on National Economy.
- ii. Determinants of Defence Expenditure: Threat perceptions, capabilities and policies.
- iii. Assessment of War Potential (Resources of War) of a nation
- iv. Mobilization of Resources for war with reference to Physical and Fiscal Mobilization.
- v. Defence Planning, Programming and Budgeting.
- vi. Economic Constraints in Defence Management.
- vii. Defence vs Development in Indian context
- viii. India's Policy on Defence Planning and Production.

## **7. SCIENCE, TECHNOLOGY AND NATIONAL SECURITY**

- i. Impact of Science and Technology on Society and warfare.
- ii. Transfer of Technology: Political, military and economic impact of transfer of Technology.
- iii. Electronic Warfare, Information warfare, Cyber warfare.
- iv. Revolution in Military Affairs (RMA).
- v. Defence research and development in India.
- vi. India's space programme.
- vii. India's Nuclear Programme.
- viii. Ocean Technology in India.

## **8. GLOBAL SECURITY CONCERNS**

- i. End of cold war and emergence of new world order.
- ii. Non-traditional Challenges to Security: Environmental Issues: Climate Change and Global Warming, Industrial Pollution, Deforestation.
- iii. Manifestations of Terrorism: Money Laundering, Narco-trafficking, and small arms proliferation.
- iv. Illegal Human Migration: Internally Displaced People (IDP) and Cross-border human trafficking.
- v. Emergence of Non-State Actors: *Daesh* (ISIS)
- vi. Energy Security and Water Security

## **9. MILITARY PSYCHOLOGY**

- i. Psychological Warfare-Propaganda, Rumour and Indoctrination.
- ii. War Neurosis: Fear and Panic in War.
- iii. Emotional problems and adjustment of armed forces personnel during war and peace.
- iv. Military Leadership.
- v. Effective Organization of Armed Forces: Discipline, Morale, Motivation and Man Management

## **10. CONFLICT RESOLUTION AND PEACE BUILDING**

- i. Conflict Resolution Approaches.
  - ii. Conflict Management: Pacific and Coercive methods to settle International Disputes.
  - iii. Confidence Building Measures: Concept, Types and Effectiveness
  - iv. Role of Inter-Governmental Organisations & Non-Governmental Organisations in Conflict Resolution
  - v. Role of United Nations in Conflict Resolution.
-