

GURU NANAK COLLEGE (AUTONOMOUS)

(Affiliated to University of Madras and Re-Accredited at 'A' Grade by NAAC)

Velachery Main Road, Velachery, Chennai – 600042.



B.A. Defence and Strategic Studies

(SEMESTER PATTERN WITH CHOICE BASED CREDIT SYSTEM)

Syllabus

(For the candidates admitted in the Academic year 2017-18 and thereafter)

VISION

To develop professionals with demonstrable in-depth knowledge and cognitive skills to deal with strategic and security affairs.

MISSION

- To impart knowledge and develop Defence oriented aptitude and disseminate ideas of war and peace.
- To mobilize public opinion in favour of the requirements of National Security.
- To create security consciousness.
- To give mature guidance regarding national security problems and prospects.

PROGRAMME OUTCOME:

- PO 1** :Scientific Knowledge: Acquire the knowledge of Defence and Strategic Studies to issues, challenges and national security threats faced by the country
- PO 2** :Problems Analysis: Identify, formulate, research literature and analyze complex problems reaching substantiated conclusions using first principles of Defence and Strategic Studies
- PO 3** :Design/Development of Solutions: Design solutions for complex national security problems and processes that meet the specified needs with appropriate consideration for evolving right policy choices
- PO 4** :Conduct investigations of complex problems link with the society. PO5: Modern tool usage.

PROGRAMME SPECIFIC OUTCOMES:

- PSO 1** : Familiarize the student to read, write and speak with confidence on different aspects affecting national security and offer solutions. Make the students socially responsible and adopt ethical standards or practice and develop the feeling of patriotism and nationalism
- PSO 2** : Students with a B.A degree in Defence and Strategic Studies may be employed as research assistants with scholarships, Strategic Analyst, internships, Civil Services, Armed forces, Industrial Security Officers, Defence Journalist, Print Media, primary and secondary teachers with suitable teaching qualifications.

COURSE STRUCTURE 2017 -18 BATCH

| Semester | Part | Course Component | Subject Code | Subject Name | Credits | Hours | Internal | External | Total |
|--|-------------|-------------------------|---------------------|--|----------------|--------------|-----------------|-----------------|--------------|
| Semester - I | I | Language | 16UTAMF01 | Tamil I | 3 | 6 | 50 | 50 | 100 |
| | II | English | 16UENGF41 | English I | 3 | 6 | 50 | 50 | 100 |
| | III | Core Paper-I | 16UDEFC01 | Strategic Study of India | 4 | 5 | 50 | 50 | 100 |
| | III | Core Paper-II | 16UDEFC02 | Fundamentals of War and Peace | 4 | 5 | 50 | 50 | 100 |
| | III | Allied-I | 16UDEFA01 | An Introduction to Political Science-I | 5 | 6 | 50 | 50 | 100 |
| | IV | Non-Major Elective-I | 16UMNE01B | Independent India | 2 | 2 | | 100 | 100 |
| | IV | Soft Skills-I | 17UGSLS01 | Essentials of Language and Communication | 3 | | | 100 | 100 |
| Total Credits -24, Total Hours/ week-30 | | | | | | | | | |
| Semester - II | I | Language | 16UTAMF02 | Tamil II | 3 | 6 | 50 | 50 | 100 |
| | II | English | 16UENGF42 | English II | 3 | 6 | 50 | 50 | 100 |
| | III | Core Paper-III | 16UDEFC03 | Art of Warfare in India (up to 1947) | 4 | 5 | 50 | 50 | 100 |
| | III | Core Paper-IV | 16UDEFC04 | World Military History | 4 | 5 | 50 | 50 | 100 |
| | III | Allied-II | 16UDEFA02 | An Introduction to Political Science –II | 5 | 6 | 50 | 50 | 100 |
| | IV | Non-Major Elective-II | 16UNME02B | Human Rights | 2 | 2 | - | 100 | 100 |
| | IV | Soft Skills-II | 17UGSLS02 | Essentials of Spoken English and Presentation Skills | 3 | | - | 100 | 100 |
| Total Credits -24, Total Hours/ week-30 | | | | | | | | | |
| Semester - III | I | Language | 16UTAMF03 | Tamil III | 3 | 6 | 50 | 50 | 100 |
| | II | English | 16UENGF43 | English III | 3 | 6 | 50 | 50 | 100 |
| | III | Core Paper-V | 16UDEFC05 | Fundamentals of National Security | 4 | 6 | 50 | 50 | 100 |
| | III | Core Paper-VI | 16UDEFC06 | International Relations | 4 | 6 | 50 | 50 | 100 |
| | III | Allied-III | 16UDEFA03 | Principles of Economics-I | 5 | 6 | 50 | 50 | 100 |
| | IV | Soft Skills-III | 16UGSLS03 | Personality Enrichment | 3 | | - | 100 | 100 |
| | IV | EVS | 16UEVS401 | Environmental Studies | | 0 | | | |
| Total Credits -22, Total Hours/ week-30 | | | | | | | | | |
| Se | 1 | Language | 16UTAMF04 | Tamil IV | 3 | 6 | 50 | 50 | 100 |

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|-----|-----------------|-----------|--------------------------------------|---|---|----|-----|-----|
| II | English | 16UENGF44 | English IV | 3 | 6 | 50 | 50 | 100 |
| III | Core Paper-VII | 16UDEFC07 | Military Geography and Geo-Politics | 4 | 5 | 50 | 50 | 100 |
| III | Core Paper-VIII | 16UDEFC08 | International Organizations | 4 | 5 | 50 | 50 | 100 |
| IV | Allied-IV | 16UDEFA04 | Principles of Economics-II | 5 | 6 | 50 | 50 | 100 |
| IV | Soft Skills-IV | 16UGSLS04 | English for Competitive Examinations | 3 | | - | 100 | 100 |
| IV | EVS | 16UEVS401 | Environmental Studies | 2 | 2 | - | 100 | 100 |

Total Credits -24, Total Hours/ week-30

| | | | | | | | | | |
|--------------|-----|--|-----------|--------------------------------------|---|---|----|-----|-----|
| Semester - V | III | Core Paper-IX | 16UDEFC09 | National Security of India | 4 | 6 | 50 | 50 | 100 |
| | III | Core Paper-X | 16UDEFC10 | Specialized Warfare | 4 | 6 | 50 | 50 | 100 |
| | III | Core Paper-XI | 16UDEFC11 | Basics of Defence Economics | 4 | 6 | 50 | 50 | 100 |
| | III | Core Paper-XII | 16UDEFC12 | Higher Defence Organization of India | 4 | 5 | 50 | 50 | 100 |
| | III | Elective-I (Inter-disciplinary Elective) | 16UDEFE01 | Fundamentals of Journalism | 5 | 5 | 50 | 50 | 100 |
| | IV | Value Education | 16UVED401 | Value Education | 2 | 2 | - | 100 | 100 |

Total Credits -23, Total Hours/ week-30

| | | | | | | | | | |
|---------------|-----|----------------------|-----------|------------------------------|---|---|----|----|-----|
| Semester - VI | III | Core Paper-XIII | 16UDEFC13 | International Law | 4 | 6 | 50 | 50 | 100 |
| | III | Core Paper-XIV | 16UDEFC14 | Wars in Independent India | 4 | 6 | 50 | 50 | 100 |
| | III | Core Paper-XV | 16UDEFC15 | Disarmament and Arms Control | 4 | 6 | 50 | 50 | 100 |
| | III | Elective-II | 16UDEFE02 | Limited Wars | 5 | 6 | 50 | 50 | 100 |
| | III | Elective-III | 16UDEFE03 | Defence Management | 5 | 6 | 50 | 50 | 100 |
| | V | Extension Activities | 16EXTU501 | Extension Activities | 1 | | | | |

Total Credits -23, Total Hours/ week-30

Grand Total Credits -140, Total Hours/ week-180

SEMESTER-I

CORE PAPER – 1 STRATEGIC STUDY OF INDIA

| | | |
|-------------------------------|----------------------------|------------------------|
| SUBJECT CODE:16UDEFC01 | THEORY | MAX MARKS: 100 |
| SEMESTER: I | CREDITS 4 | TOTAL HOURS: 75 |

Course Objectives: -

India is a civilizational concept, which has witnessed numerous ups and downs in its evolution in the contemporary international system. Modern India is destined to play a commanding role in the global affairs. This paper attempts to broaden the understanding of India in terms of its strong and weak potentialities.

Unit 1: Introduction: (a) Explanation of terms: Bharat, Hindustan and India (b) Salient features of India's freedom struggle (c) Geo-Strategic location, size, borders. **(15 Hours)**

Unit 2: Physiographic Features: (a) Himalayas, Indo-Gangetic Plain and Deccan Plateau (b) Ethnic and Linguistic Composition. **(15 Hours)**

Unit 3: System of Governance: (a) Salient Features of Indian Constitution (a) National Flag, National Anthem & National Institutions. **(15 Hours)**

Unit 4: Power Resources: (a) Agricultural (b) Industrial (c) Natural. **(15 Hours)**

Unit 5: Military Potential: (a) Defence Industries (b) Institutions of DRDO. **(15 Hours)**

Reference: -

1. India Year Book, Publication Division – New Delhi
2. Manorama Year Book 2015 vol.4
3. D.G. Chandler, The Atlas of Military Strategy: the art, theory and practice of war, London.

Question paper pattern:

| Sections | Question Components | Numbers | Marks | Total |
|------------------|---|--------------|-----------|------------|
| Section A | Definition/Principle Answer any 10 out of 12 questions. Each answer should not exceed 30 words. | 1-12 | 3 | 30 |
| Section B | Short Answer Answer any 5 out of 7 questions. Each answer should not exceed 200 words | 13-19 | 6 | 30 |
| Section C | Essay Answer any 4 out of 6 questions. Each answer should not exceed 500 words. | 20-25 | 10 | 40 |
| TOTAL | | | | 100 |

Distribution of Questions:

| Sections | Units | No, of Questions |
|------------------|----------|------------------|
| | | Theory |
| Section A | Unit – 1 | 2 |
| | Unit - 2 | 2 |
| | Unit - 3 | 3 |
| | Unit - 4 | 3 |
| | Unit - 5 | 2 |
| Section B | Unit – 1 | 2 |
| | Unit - 2 | 2 |
| | Unit - 3 | 1 |
| | Unit - 4 | 1 |
| | Unit - 5 | 1 |
| Section C | Unit – 1 | 2 |
| | Unit - 2 | 1 |
| | Unit - 3 | 1 |
| | Unit - 4 | 1 |
| | Unit - 5 | 1 |

CORE PAPER – II FUNDAMENTALS OF WAR AND PEACE

| | | |
|-------------------------------|------------------|------------------------|
| SUBJECT CODE:16UDEFC02 | THEORY | MAX MARKS: 100 |
| SEMESTER-I | CREDITS 4 | TOTAL HOURS: 75 |

Course Objectives: -

The history of mankind is highlighted by incidents of war and peace. It is therefore necessary to have in depth knowledge of these concepts for better understanding and clarity.

Unit 1 : Introduction (a) Nomenclature and understanding of the terms Military Science, Military Studies, War Studies, Peace Studies, Conflict Studies, Defence Studies and Defence and Strategic Studies (b) Relevance and significance**(15 Hours)**

Unit 2:(a) Basic Concepts: War, Strategy, Grand Strategy, Tactics, Campaign, Battle, Operations, Defence and Security (b) Categorization of War: Civil war, Limited war, Chemical and Biological war, nuclear war, Guerrilla war, Insurgency and Low Intensity Conflicts **(15 Hours)**

Unit 3: Causes and Principles of War. **(15 Hours)**

Unit 4: Understanding of Peace: (a) Meaning, Definition and Forms of Peace (b) Role of Peace Education and Peace Movements (c) Concepts of Peaceful Co-existence & Zone of Peace **(15 Hours)**

Unit 5: Mechanics of War and Peace. (a) Amicable Settlement of International Disputes (b) International Law and Peace, Peace Treaties, International Court of Justice (c) Concepts of Peace Making, Peacekeeping & Peace Building **(15 Hours)**

References: -

- 1) Philip, T.R., (ed), Roots of Strategy, 1943.
- 2) Michael Howard, (Ed), The Theory and Practice of War, 1965.
- 3) D.G.Chandler, The Atlas of Military Strategy: the art, theory and practice of war (London, 1980)
- 4) Fuller, J.F.C., The Foundation of the Science of War (London, 1925)
- 5) Field Marshal, Montgomery, Viscount, A History of Warfare, (London: Collins, 1968).
- 6) Galtung, Johan, The Struggle for Peace, (Ahmedabad: Gujarat Vidyapeeth, 1986)

Question paper pattern:

| Sections | Question Components | Numbers | Marks | Total |
|------------------|---|----------------|--------------|--------------|
| Section A | Definition/Principle Answer any 10 out of 12 questions. Each answer should not exceed 30 words. | 1-12 | 3 | 30 |
| Section B | Short Answer Answer any 5 out of 7 questions. Each answer should not exceed 200 words | 13-19 | 6 | 30 |
| Section C | Essay Answer any 4 out of 6 questions. Each answer should not exceed 500 words. | 20-25 | 10 | 40 |
| TOTAL | | | | 100 |

Distribution of Questions:

| Sections | Units | No. of Questions |
|------------------|--------------|-------------------------|
| | | Theory |
| Section A | Unit – 1 | 2 |
| | Unit - 2 | 2 |
| | Unit - 3 | 3 |
| | Unit - 4 | 3 |
| | Unit - 5 | 2 |
| Section B | Unit – 1 | 2 |
| | Unit - 2 | 2 |
| | Unit - 3 | 1 |
| | Unit - 4 | 1 |
| | Unit - 5 | 1 |
| Section C | Unit – 1 | 2 |
| | Unit - 2 | 1 |
| | Unit - 3 | 1 |
| | Unit - 4 | 1 |
| | Unit - 5 | 1 |

ALLIED I: AN INTRODUCTION TO POLITICAL SCIENCE - I

| | | |
|--------------------------------|------------------|------------------------|
| SUBJECT CODE: 16UDEFA01 | THEORY | MAX MARKS: 100 |
| SEMESTER-I | CREDITS 5 | TOTAL HOURS: 75 |

Course Objectives: -

This paper tries to introduce to the discipline of Political Science- State, Government and political systems: besides the theories of governance.

UNIT I –I INTRODUCTION

Political Science as a discipline-Meaning and Definition-Nature and Scope-Is Politics a Science or Art-Methods of Political Science **(15 Hours)**

UNIT II –STATE AND NATION

State Definition, Element and Functions of State-Distinction between State and Government-Distinction between State and Society and Association **(15 Hours)**

UNIT III—THEORIES OF ORIGIN OF STATE

Divine Origin Theory-force Theory-Social Contract Theory: (EXCLUDING HOBBS, LOCKE, and ROUSSEAU’S THEORIES) Patriarchal and Matriarchal theory Historical or Evolutionary Theory **(15 Hours)**

UNIT IV—SOVEREIGNTY AND PLURALISM

Sovereignty-Definition and Kinds of Sovereignty-Austin’s Theory of Sovereignty-The concept of Pluralism **(15 Hours)**

UNIT V—THE STATE AND THE INDIVIDUAL

Law: Meaning and Features-Rights: Kinds and Fundamental Rights-Liberty: Its kinds and safeguards-Equality: Relation with Liberty and Rights **(15 Hours)**

References: -

1. Amal Roy and Mohit Bhattacharya: Political Theory: Ideas and Institutions, Calcutta: The World Press
2. R.C. Macridis (ed) Modern Political System, Prentice Hall International
3. A.C.Kapoor: Principles of Political Science.
4. R.L.Gupta: Introduction to Political Science.

Question paper pattern:

| Sections | Question Components | Numbers | Marks | Total |
|------------------|---|--------------|-----------|------------|
| Section A | Definition/Principle Answer any 10 out of 12 questions. Each answer should not exceed 30 words. | 1-12 | 3 | 30 |
| Section B | Short Answer Answer any 5 out of 7 questions. Each answer should not exceed 200 words | 13-19 | 6 | 30 |
| Section C | Essay Answer any 4 out of 6 questions. Each answer should not exceed 500 words. | 20-25 | 10 | 40 |
| TOTAL | | | | 100 |

Distribution of Questions:

| Sections | Units | No. of Questions |
|------------------|----------|------------------|
| | | Theory |
| Section A | Unit – 1 | 2 |
| | Unit - 2 | 2 |
| | Unit - 3 | 3 |
| | Unit - 4 | 3 |
| | Unit - 5 | 2 |
| Section B | Unit – 1 | 2 |
| | Unit - 2 | 2 |
| | Unit - 3 | 1 |
| | Unit - 4 | 1 |
| | Unit - 5 | 1 |
| Section C | Unit – 1 | 2 |
| | Unit - 2 | 1 |
| | Unit - 3 | 1 |
| | Unit - 4 | 1 |
| | Unit - 5 | 1 |

NME: INDEPENDENT INDIA

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|-------------------------------|------------------|------------------------|
| SUBJECT CODE:16UMNE01B | THEORY | MAX MARKS: 100 |
| SEMESTER-I | CREDITS 2 | TOTAL HOURS :75 |

Course Objectives: -

To highlight the physiographic, historical, socio-political, cultural, and economic structure of independent India. To understand to relate this to the contemporary developments that impinges on its politico strategic policy orientation.

UNIT I -- INTRODUCTION—Size, Location and Physical Environment (15 Hours)

UNIT II --Cultural Patterns, Population Dimension, Rural and Urban India (15 Hours)

UNIT III—Basics of Indian Economy-Resources and Life Lines of Economy (15 Hours)

UNIT IV—Constitution of India-Its Features, Preamble, Fundamental Rights-Directive Principles of State Policy (15 Hours)

UNIT V—Causes of India’s Social Disharmony-Poverty, Illiteracy and Social Backwardness (15 Hours)

Reference: -

1. India Year Book, Publication Division – New Delhi
2. Manorama Year Book 2015 vol 4
3. D.G.Chandler, The Atlas of Military Strategy: the art, theory and practice of war (London, 1980)

SEMESTER - II

CORE PAPER III - ART OF WARFARE IN INDIA (Up to 1947)

| | | |
|------------------------|-----------|-----------------|
| SUBJECT CODE:16UDEFC03 | THEORY | MAX MARKS: 100 |
| SEMESTER-II | CREDITS 4 | TOTAL HOURS: 75 |

Course Objectives: -:

This paper attempts to familiarize the students with the evolution of the art of warfare in India. It is to establish that the art of warfare changes with changes in political governance, nature of threat, and weapon systems

Unit 1: Warfare in Ancient India: (a) Military System in Vedic, Puranic and Epic ages (b) Alexander's Invasion of India (c) Rise of Mauryan Empire and its military system (d) Kautilya's philosophy of war and peace. **(15 Hours)**

Unit 2: Warfare in Medieval India: (a) Arab Conquest of Sind (Battle of Rawar) (b) Ghazni's invasions (Battle of Somnath) (c) Md.Ghori's Conquest of India (Battle of Terrain I and II) (d) Foundation of Mughal Empire in India (Battle of Panipat I and II) **(15 Hours)**

Unit 3. Military system of South India (Medieval Period): (a) Rise of Pallavas and their Military system (b) Chola Imperialism and military system (C) Conquests of Pandya emperors and their military system **(15 Hours)**

Unit 4: Revival of Hindu Monarchy: (a) Sivaji as a great guerrilla leader (b) Military system of the Marathas (c) Rise of Sikhism (d) Military system of Maharaja Ranjit Singh **(15 Hours)**

Unit 5: Coming of the Europeans: (a) British Conquest of Bengal (b) Anglo- Mysore Wars (c) Rise of Presidency Armies (d) First War of Independence 1857(Causes and Consequences) **(15 Hours)**

References:

- 1) Majumdar, R.C., An Advanced History of India, New York: St. Martin,1967
- 2) Malleon, G.B., The Decisive Battles of India, London: W.H.Allen, 1885
- 3) Saxena, K.L.M., Military System of India-1850-1900, Delhi'1976.
- 4) Roy, Koushik., From Hydespas to Kargil : A History of Warfare in India from 326 B.C. to A.D 1999, Delhi: Manohar,2004.
- 5) AnjoliNirmal, The Decisive Battles of Indian History, Jaipur: Pointer Publications,1999.
- 6) Sarkar, Jadunath., Military History of India, Bombay: Orient Longmans,1970.
- 7) Das, S.T., Indian Military: Its History and Development, Allahabad: Kitab Mahal,1979.
- 8) V.R.R. Dikshitar, Wars in Ancient India, 1948.

Question paper pattern:

| Sections | Question Components | Numbers | Marks | Total |
|------------------|---|----------------|--------------|--------------|
| Section A | Definition/Principle Answer any 10 out of 12 questions. Each answer should not exceed 30 words. | 1-12 | 3 | 30 |
| Section B | Short Answer Answer any 5 out of 7 questions. Each answer should not exceed 200 words | 13-19 | 6 | 30 |
| Section C | Essay Answer any 4 out of 6 questions. Each answer should not exceed 500 words. | 20-25 | 10 | 40 |
| TOTAL | | | | 100 |

Distribution of Questions:

| Sections | Units | No. of Questions |
|------------------|--------------|-------------------------|
| | | Theory |
| Section A | Unit – 1 | 2 |
| | Unit - 2 | 2 |
| | Unit - 3 | 3 |
| | Unit - 4 | 3 |
| | Unit - 5 | 2 |
| Section B | Unit – 1 | 2 |
| | Unit - 2 | 2 |
| | Unit - 3 | 1 |
| | Unit - 4 | 1 |
| | Unit - 5 | 1 |
| Section C | Unit – 1 | 2 |
| | Unit - 2 | 1 |
| | Unit - 3 | 1 |
| | Unit - 4 | 1 |
| | Unit - 5 | 1 |

CORE PAPER – IV - WORLD MILITARY HISTORY

| | | |
|--------------------------------|------------------|------------------------|
| SUBJECT CODE: 16UDEFC04 | THEORY | MAX MARKS: 100 |
| SEMESTER-II | CREDITS 4 | TOTAL HOURS: 75 |

Course Objectives: -:

On successful completion of the paper, the candidates will be able to narrate the evolution of warfare from early times. This paper outlines the wars which were fought from 4th century BC to 19th Century AD. To make the students understand the evolution of wars in the world from early period.

Unit 1: Military system in Ancient Greece: (a) Greek Military Organization, (b) Greeco Persian War (Battle of Marathon, Thermopylae and Salamis), (c) Rise of Alexander's Empire (Battle of Isus, Arbela) **(15 Hours)**

Unit 2: Military System in Ancient Rome: (a) Roman Military organization, (b) Rome-Carthage Conflict (Battle of Canne, Zama) (c) Julius Caesar's Military Campaigns **(15 Hours)**

Unit 3: Military System in Medieval Empire: (a) Military Reforms of Gustavus Adolphus (b) French Revolution – Causes and Consequences(c) Napoleon's art of war (Battle of Trafalgar and Waterloo) **(15 Hours)**

Unit 4: World War I: (a) Causes (b) Trench and Static Warfare, Use of Gas (c) Role of Naval and Air Power (d) Military lessons **(15 Hours)**

Unit 5: World War II: (a) Causes (b) Blitzkrieg Tactics, (C) Role of Air Power and Naval Power (d) Military Lessons. **(15 Hours)**

References: -

- 1) Howard, Michael. War in European History, Oxford: Oxford University Press, 1977.
- 2) Keegan, John., A History of Warfare, New York: Vintage, 1993.
- 3) Fuller, J.F.C., A Military History of the Western World, New York: Funk & Wagnalls Company, 1955
- 4) Neilberg, Michael,S., Warfare in World History, London / New York : Routledge,2001.
- 5) Andre Corviser, (ed.), A Dictionary of Military History, Oxford: Blackwell Publishers,1994.
- 6) Dupey&Dupey, Encyclopaedia of Military History.

Question paper pattern:

| Sections | Question Components | Numbers | Marks | Total |
|------------------|---|----------------|--------------|--------------|
| Section A | Definition/Principle Answer any 10 out of 12 questions. Each answer should not exceed 30 words. | 1-12 | 3 | 30 |
| Section B | Short Answer Answer any 5 out of 7 questions. Each answer should not exceed 200 words | 13-19 | 6 | 30 |
| Section C | Essay Answer any 4 out of 6 questions. Each answer should not exceed 500 words. | 20-25 | 10 | 40 |
| TOTAL | | | | 100 |

Distribution of Questions:

| Sections | Units | No. of Questions |
|------------------|--------------|-------------------------|
| | | Theory |
| Section A | Unit – 1 | 2 |
| | Unit - 2 | 2 |
| | Unit - 3 | 3 |
| | Unit - 4 | 3 |
| | Unit - 5 | 2 |
| Section B | Unit – 1 | 2 |
| | Unit - 2 | 2 |
| | Unit - 3 | 1 |
| | Unit - 4 | 1 |
| | Unit - 5 | 1 |
| Section C | Unit – 1 | 2 |
| | Unit - 2 | 1 |
| | Unit - 3 | 1 |
| | Unit - 4 | 1 |
| | Unit - 5 | 1 |

ALLIED PAPER II: POLITICAL SCIENCE AN INTRODUCTION – II

| | | |
|--------------------------------|------------------|------------------------|
| SUBJECT CODE: 16UDEFA02 | THEORY | MAX MARKS: 100 |
| SEMESTER-I | CREDITS 5 | TOTAL HOURS: 75 |

Course Objectives: -:

This paper tries to introduce government, its structure and function: forms of government structure of government and the role of public opinion, Political parties and pressure groups on governance.

UNIT I –I FORMS OF GOVERNMENT

Leacock's classification of Governments-Its Meaning-Unitary and Federal forms of governments-Merits and Demerits-Parliamentary and Presidential form of government **(15 Hours)**

UNIT II –DEMOCRACY

Democracy-Definition, Meaning and Principles-Merits and Demerits of Democracy-Conditions for the success of Democracy **(15 Hours)**

UNIT III—ORGANS OF GOVERNMENT

Legislature: Its powers and functions and types-**Executive:** Its powers and functions-**Judiciary:** Its powers and functions and Methods for independence **(15 Hours)**

UNIT IV—PUBLIC OPINION, POLITICAL PARTIES AND PRESSURE GROUPS

Public Opinion: Meaning, Definition and Types-Agents of Public Opinion-Political Parties and types-Pressure Groups **(15 Hours)**

UNIT V—ELECTION

Electoral System, Importance of Elections and Universal Franchise-Qualifications of Voters and candidates-Methods of minority representation-Territorial and Functional Representation-conditions of good electoral process **(15 Hours)**

References: -

- 1, A.C, Kapoor: Principles of Political Science
2. A. Appadurai: Substance of Politics, Oxford University Press, India
3. V.D. Mahajan: Modern Governments, S.C.Chand and Co., New Delhi
4. M. N. Kaul and S.L. Shakhdar, Practice and Procedure of Parliament, Metropolitan Book Company

Question paper pattern:

| Sections | Question Components | Numbers | Marks | Total |
|------------------|---|----------------|--------------|--------------|
| Section A | Definition/Principle Answer any 10 out of 12 questions. Each answer should not exceed 30 words. | 1-12 | 3 | 30 |
| Section B | Short Answer Answer any 5 out of 7 questions. Each answer should not exceed 200 words | 13-19 | 6 | 30 |
| Section C | Essay Answer any 4 out of 6 questions. Each answer should not exceed 500 words. | 20-25 | 10 | 40 |
| TOTAL | | | | 100 |

Distribution of Questions:

| Sections | Units | No. of Questions |
|------------------|--------------|-------------------------|
| | | Theory |
| Section A | Unit – 1 | 2 |
| | Unit - 2 | 2 |
| | Unit - 3 | 3 |
| | Unit - 4 | 3 |
| | Unit - 5 | 2 |
| Section B | Unit – 1 | 2 |
| | Unit - 2 | 2 |
| | Unit - 3 | 1 |
| | Unit - 4 | 1 |
| | Unit - 5 | 1 |
| Section C | Unit – 1 | 2 |
| | Unit - 2 | 1 |
| | Unit - 3 | 1 |
| | Unit - 4 | 1 |
| | Unit - 5 | 1 |

NME: HUMAN RIGHTS

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|--------------------------------|------------------|------------------------|
| SUBJECT CODE: 16UNME02B | THEORY | MAX MARKS: 100 |
| SEMESTER-II | CREDITS 2 | TOTAL HOURS: 75 |

Course Objectives: -

Efforts towards the establishment of a just and egalitarian society have been in vogue since the beginning of the civilization. Understanding certain basic right that contributes to the overall, dignified and honourable life to individuals is vital. This paper endeavours towards this.

UNIT I --INTRODUCTION—Concept, Definition and Meaning, Classification of Human Rights, History of Human Rights, and Principles (15 Hours)

UNIT II –List of Human Rights and Abuses (15 Hours)

UNIT III—International Human Rights Norms-Humanitarian Law, Universal Declaration of Human Rights (15 Hours)

UNIT IV—Human Rights and International Organizations—UNO and Human Rights (15 Hours)

UNIT V—National Human Rights Commission of India-Composition and Functions (15 Hours)

References: -

1. Philip Gourevitch, We Wish to Inform You That Tomorrow We Will Be Killed with Our Families.
2. David Batstone, The Return of the Global Slave Trade and How We Can Fight It

SEMESTER-III

CORE PAPER V – FUNDAMENTALS OF NATIONAL SECURITY

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|--------------------------------|------------------|------------------------|
| SUBJECT CODE: 16UDEFC05 | THEORY | MAX MARKS: 100 |
| SEMESTER-III | CREDITS 4 | TOTAL HOURS: 75 |

Course Objectives: -:

National security is the highest political goal of all states; the approaches adopted by states differ based on their individual power status, and the prevailing political and strategic dynamics at regional and global level. This paper introduces threats to a state, typology of threats, national power and its elements, doctrinal orientation for security; its linkages with foreign policy and Defence policy.

Unit I: Introduction (a) Concepts of Nation, State and Nation – State (b) Origin, concept and Course Objectives: - of National Security. **(15 Hours)**

Unit II: Spectrum of Threats: (a) Definition of Threats & Challenges (b) Security Structure (e) Security Spectrum (d) National Security Paradigm. **(15 Hours)**

Unit III: Instruments of National Security (a) Power (b) National Power (c) Military power and its components. **(15 Hours)**

Unit IV: Mechanics of National Security (a) Threat Perception, b) Threat Assessment and c) Threat Analysis and Policy Formulation **(15 Hours)**

Unit V: National Security Analysis Concept, Components and formulation of Security and Defence Policies and their linkages. **(15 Hours)**

References: -

- 1) Barry, Buzan. People, State and Fear: The National Security Problems in International Relations, Sussex; Wheatsheaf Books, 1983.
- 2) Bajpai, U.S., (ed) India's Security: The Politico-Strategic Environment, New Delhi :Lancers Books, 1983.
- 3) Dixit, J.N., Across Borders: Fifty Years of India's Foreign Policy, New Delhi: Picus Books, 1998.
- 4) Satish Kumar, (ed)., Yearbook on India's Foreign Policy, New Delhi : Deep & Deep,1993.
- 5) Jayaramu, P.S., India's National Security and Foreign Policy, New Delhi: ABC Publishers, 1978.

Question paper pattern:

| Sections | Question Components | Numbers | Marks | Total |
|------------------|---|--------------|-----------|------------|
| Section A | Definition/Principle Answer any 10 out of 12 questions. Each answer should not exceed 30 words. | 1-12 | 3 | 30 |
| Section B | Short Answer Answer any 5 out of 7 questions. Each answer should not exceed 200 words | 13-19 | 6 | 30 |
| Section C | Essay Answer any 4 out of 6 questions. Each answer should not exceed 500 words. | 20-25 | 10 | 40 |
| TOTAL | | | | 100 |

Distribution of Questions:

| Sections | Units | No. of Questions |
|------------------|----------|------------------|
| | | Theory |
| Section A | Unit – 1 | 2 |
| | Unit - 2 | 2 |
| | Unit - 3 | 3 |
| | Unit - 4 | 3 |
| | Unit - 5 | 2 |
| Section B | Unit – 1 | 2 |
| | Unit - 2 | 2 |
| | Unit - 3 | 1 |
| | Unit - 4 | 1 |
| | Unit - 5 | 1 |
| Section C | Unit – 1 | 2 |
| | Unit - 2 | 1 |
| | Unit - 3 | 1 |
| | Unit - 4 | 1 |
| | Unit - 5 | 1 |

CORE PAPER VI – INTERNATIONAL RELATIONS

| | | |
|------------------------------------|------------------|------------------------|
| SUBJECT CODE: 16UDEFC06 | THEORY | MAX MARKS: 100 |
| SEMESTER-III | CREDITS 4 | TOTAL HOURS: 75 |

Course Objectives: - : -

Ever since states were identified on their territoriality, the need for jealously guarding their territoriality and if possible expanded has been the prime motive of international relations. To grasp its historical progress and the expanding scope of relationship amongst the states becomes imperative for the students of Defence and strategic studies.

Unit I Introduction (a) Components of State (b) Evolution of State system **(15 Hours)**

Unit II State System and its corollaries (a) Elements of National Power (b) National Interest c) Foreign Policy **(15 Hours)**

Unit III Theories of International Relations (a) Idealist and Realist (b) Integration and (c) Behaviourist and (d) Structuralism **(15 Hours)**

Unit IV Diplomacy a) Concept of Diplomacy, b) Kinds of Diplomacy c) Functions of Diplomacy **(15 Hours)**

Unit V Control of International Relations (a) Collective Security (b) Balance of Power(c) International Law **(15 Hours)**

References:

1. Introduction to International Relations: Theories and Approaches, Robert H. Jackson, Georg Sorensen, Oxford University Press,
2. International Relations, Palmer and Perkins,
3. International Relations, Prem Arora, IAS Study Circle, New Delhi
4. Man, the State, and War: A Theoretical Analysis, Kenneth Waltz,
5. International Relations Theory: A New Introduction, Palgrave Macmillan

Question paper pattern:

| Sections | Question Components | Numbers | Marks | Total |
|------------------|---|--------------|-----------|------------|
| Section A | Definition/Principle Answer any 10 out of 12 questions. Each answer should not exceed 30 words. | 1-12 | 3 | 30 |
| Section B | Short Answer Answer any 5 out of 7 questions. Each answer should not exceed 200 words | 13-19 | 6 | 30 |
| Section C | Essay Answer any 4 out of 6 questions. Each answer should not exceed 500 words. | 20-25 | 10 | 40 |
| TOTAL | | | | 100 |

Distribution of Questions:

| Sections | Units | No. of Questions |
|------------------|----------|------------------|
| | | Theory |
| Section A | Unit – 1 | 2 |
| | Unit - 2 | 2 |
| | Unit - 3 | 3 |
| | Unit - 4 | 3 |
| | Unit - 5 | 2 |
| Section B | Unit – 1 | 2 |
| | Unit - 2 | 2 |
| | Unit - 3 | 1 |
| | Unit - 4 | 1 |
| | Unit - 5 | 1 |
| Section C | Unit – 1 | 2 |
| | Unit - 2 | 1 |
| | Unit - 3 | 1 |
| | Unit - 4 | 1 |
| | Unit - 5 | 1 |

ALLIED PAPER III: PRINCIPLES OF ECONOMICS – I

| | | |
|------------------------------------|------------------|------------------------|
| SUBJECT CODE: 16UDEFA03 | THEORY | MAX MARKS: 100 |
| SEMESTER-III | CREDITS 4 | TOTAL HOURS: 75 |

UNIT – I INTRODUCTION

Definitions of Economics: Adam Smith, Alfred Marshall, Lionel Robbins and Samuelson
– Nature of Economics: Micro and Macro Economics- Central problems of an Economy
(15 Hours)

UNIT – II CONSUMPTION

Wants and their characteristics – Consumer’s equilibrium- Marginal utility analysis
and Indifference curve analysis - Consumer’s surplus (15 Hours)

UNIT – III PRODUCTION

Factors of production, Law of variable proportions, Laws of returns to scale –
Producer’s equilibrium – Expansion Path (15 Hours)

UNIT – IV MARKETSTRUCTURE

Perfect competition- Monopoly and Monopolistic competition- Oligopoly and Kinked
Demand Curve (15 Hours)

UNIT – V DISTRIBUTION

Functional vs. personal distribution – Factor Pricing- Marginal Productivity Theory of Distribution
– Quasi Rent – Keynes’ Liquidity Preference Theory of Interest – Schumpeter’s
Theory of Profit (15 Hours)

Reference

1. AHUJA H. L - PRINCIPLES OF MICRO ECONOMICS
2. MICROECONOMIC THEORY.R. CAUVERY & TEAM.
3. AHUJA H. L -ADVANCE ECONOMIC THEORY

Question paper pattern:

| Sections | Question Components | Numbers | Marks | Total |
|------------------|---|----------------|--------------|--------------|
| Section A | Definition/Principle Answer any 10 out of 12 questions. Each answer should not exceed 30 words. | 1-12 | 3 | 30 |
| Section B | Short Answer Answer any 5 out of 7 questions. Each answer should not exceed 200 words | 13-19 | 6 | 30 |
| Section C | Essay Answer any 4 out of 6 questions. Each answer should not exceed 500 words. | 20-25 | 10 | 40 |
| TOTAL | | | | 100 |

Distribution of Questions:

| Sections | Units | No. of Questions |
|------------------|--------------|-------------------------|
| | | Theory |
| Section A | Unit – 1 | 2 |
| | Unit - 2 | 2 |
| | Unit - 3 | 3 |
| | Unit - 4 | 3 |
| | Unit - 5 | 2 |
| Section B | Unit – 1 | 2 |
| | Unit - 2 | 2 |
| | Unit - 3 | 1 |
| | Unit - 4 | 1 |
| | Unit - 5 | 1 |
| Section C | Unit – 1 | 2 |
| | Unit - 2 | 1 |
| | Unit - 3 | 1 |
| | Unit - 4 | 1 |
| | Unit - 5 | 1 |

PART IV: ENVIRONMENTAL STUDIES

Course Objectives: -

The importance of environmental science and environmental studies cannot be disputed. The need for sustainable development is a key to the future of mankind. Continuing problems of pollution, loss of forest, solid waste disposal, degradation of environment, issues like economic productivity and national security, Global warming, the depletion of ozone layer and loss of biodiversity have made everyone aware of environmental issues. The United Nations Conference on Environment and Development held in Rio de Janeiro in 1992 and world Summit on Sustainable Development at Johannesburg in 2002 have drawn the attention of people around the globe to the deteriorating condition of our environment. It is clear that no citizen of the earth can afford to be ignorant of environment issues. Environmental management has captured the attention of health care managers. Managing environmental hazards has become very important.

Unit 1: Multidisciplinary nature of environmental studies Definition, scope and importance and need for public awareness.

Unit 2: Natural Resources: Renewable and non-renewable resources: Natural resources and associated problems. a) Forest resources: Use and over-exploitation, deforestation, case studies. Timber extraction, mining, dams and their effects on forest and tribal people. b) Water resources: Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dams-benefits and problems. c) Mineral resources: Use and exploitation, environmental effects of extracting and using mineral resources, case studies. d) Food resources: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity, case studies. e) Energy resources: Growing energy needs, renewable and non-renewable energy sources, use of alternate energy sources. Case studies. f) Land resources: Land as a resource, land degradation, man induced landslides, soil erosion and desertification.

Unit 3: Ecosystems: Concept of an ecosystem. Structure and function of an ecosystem, Producers, consumers and decomposers. Energy flow in the ecosystem. Ecological succession. Food chains, food webs and ecological pyramids. Introduction, types, characteristic features, structure and function of the following ecosystem: -

- a. Forest ecosystem
- b. Grassland ecosystem
- c. Desert ecosystem
- d. Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries)

Unit 4: Biodiversity and its conservation Introduction – Definition: genetic, species and ecosystem diversity. Bio geographical classification of India, Value of biodiversity: consumptive use, productive use, social, ethical, aesthetic and option values. Biodiversity at global, National and local levels. India as a mega-diversity nation. Hot-spots of biodiversity. Threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts. Endangered and endemic species of India, Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity.

Unit 5: Environmental Pollution. Definition. Cause, effects and control measures of: -a. Air pollution b. Water pollution c. Soil pollution d. Marine pollution e. Noise pollution f. Thermal pollution g. Nuclear hazards. Solid waste Management: Causes, effects and control measures of urban and industrial wastes. Role of an individual in prevention of pollution. Pollution case studies. Disaster management: floods, earthquake, cyclone and landslides.

References:

Environmental Studies, UGC Syllabus, Periyar EVR College, Trichy

SEMESTER- IV

CORE PAPER VII – MILITARY GEOGRAPHY & GEO – POLITICS

| | | |
|--------------------------------|------------------|------------------------|
| SUBJECT CODE: 16UDEFC07 | THEORY | MAX MARKS: 100 |
| SEMESTER-IV | CREDITS 4 | TOTAL HOURS: 75 |

Course Objectives: -

To enable the student, understand the influence of Geography on the nature and function of war. Geography has had great influence on the scope and outcome of several decisive battles across the globe. Geography is the fundamental determinants of the national power and decides on the politico strategic structure of the states.

Unit I Introduction (a) Fundamentals of military geography (Accessibility, Visibility, Location, Distance, Climate etc.) (b) Role and Importance of Geo – Politics (c) Geographic components of National Power. **(15 Hours)**

Unit II Geo – Political Thought: a) Theories of Mackinder, b) Haushofer and c) A.T. Mahan. **(15 Hours)**

Unit III Applied Military Geography: a) Basics of Global Positioning System (GPS), b) Global Information System (GIS) and c) Remote Sensing. **(15 Hours)**

Unit IV Geo – Strategic significance of India: (a) Geographical Location (b) Natural resources, Land mass, Rivers, Minerals & Oil (c) Importance of Andaman, Nicobar and Lakshadweep Islands **(15 Hours)**

Unit V India's Borders (a) Nature and characteristics of land borders (b) Maritime boundaries (c) Concept of Territorial waters and Exclusive Economic Zone. **(15 Hours)**

References: -

- 1) Das, S.T., Geo-Strategies, Allahabad: KitabMahal, 1985.
- 2) Black, Jeremy, Cambridge Illustrated Atlas, Warfare, Renaissance to Revolution: 1492-1792, (Cambridge: Cambridge University Press, 1996).
- 3) Chandler, David G., Atlas of Military Strategy: The Art, Theory and Practice of War, 1618-1878, (1980 reprint, London: Arms and Armour, 1996)
- 4) William D Puleston, The Life and Work of Alfred Thayer Mahan, U.N.S. (New Haven, CT,1939)
- 5) Earl Meade, Edward, Makers of Modern Strategy: Military Thought from Machiavelli to Hitler,1948.

Question paper pattern:

| Sections | Question Components | Numbers | Marks | Total |
|------------------|---|--------------|-----------|------------|
| Section A | Definition/Principle Answer any 10 out of 12 questions. Each answer should not exceed 30 words. | 1-12 | 3 | 30 |
| Section B | Short Answer Answer any 5 out of 7 questions. Each answer should not exceed 200 words | 13-19 | 6 | 30 |
| Section C | Essay Answer any 4 out of 6 questions. Each answer should not exceed 500 words. | 20-25 | 10 | 40 |
| TOTAL | | | | 100 |

Distribution of Questions:

| Sections | Units | No. of Questions |
|------------------|----------|------------------|
| | | Theory |
| Section A | Unit – 1 | 2 |
| | Unit - 2 | 2 |
| | Unit - 3 | 3 |
| | Unit - 4 | 3 |
| | Unit - 5 | 2 |
| Section B | Unit – 1 | 2 |
| | Unit - 2 | 2 |
| | Unit - 3 | 1 |
| | Unit - 4 | 1 |
| | Unit - 5 | 1 |
| Section C | Unit – 1 | 2 |
| | Unit - 2 | 1 |
| | Unit - 3 | 1 |
| | Unit - 4 | 1 |
| | Unit - 5 | 1 |

CORE PAPER VIII – INTERNATIONAL ORGANIZATIONS

| | | |
|------------------------------------|------------------|------------------------|
| SUBJECT CODE: 16UDEFC08 | THEORY | MAX MARKS: 100 |
| SEMESTER-IV | CREDITS 4 | TOTAL HOURS :75 |

Course Objectives: -

In the contemporary world the survival of the mankind is conditioned by the facts of war and peace. The conditions of war and peace are influenced by various actors, viz., State, non-state and international organizations. This paper introduces the students to all these factors.

Unit I Introduction (a) Evolution of International Organisation and Regional Organisation (b) Characteristics (c) Overview of related theories (d) Significance of International and Regional Organisations **(15 Hours)**

Unit II League of Nations and UN system: Principles, Powers and Structures. **(15 Hours)**

Unit III Course Objectives: - Functioning and Evaluation of SAARC, ASEAN and Asian Regional Forum (ARF) **(15 Hours)**

Unit IV Salient Features of European Union (EU) and Organisation for Security and Cooperation in Europe (OSCE). **(15 Hours)**

Unit V Fundamentals of Organisation of African Unity (OAU) Commonwealth of Independent States (CIS), Organisation of Islamic Conference (OIC), and Organisation of American States (OAS) BRICS, Asia-Pacific Economic Forum **(15 Hours)**

References: -

- 1) Palmer, N.D. and H.C.Perkins, International Relations, Boston: Houghton Mifflin, 1953.
- 2) Jackson, R. and G.Sorensen, Introduction to International Relations: Theory and Approaches, Oxford: Oxford University Press, 2003.
- 3) Frankel, J., International Relations in a Changing World, London: Oxford University Press, 1977.
- 4) Nicholson, M., International Relations: A Concise Introduction, New York: Palgrave, 2002.
- 5) Chatterjee, Aneek. International Relations Today: Concept and Applications, New Delhi: Pearson, 2010.
- 6) Johari, J.C., International Relations and Politics, New Delhi: Sterling Publishers, 1985.

Question paper pattern:

| Sections | Question Components | Numbers | Marks | Total |
|------------------|---|--------------|-----------|------------|
| Section A | Definition/Principle Answer any 10 out of 12 questions. Each answer should not exceed 30 words. | 1-12 | 3 | 30 |
| Section B | Short Answer Answer any 5 out of 7 questions. Each answer should not exceed 200 words | 13-19 | 6 | 30 |
| Section C | Essay Answer any 4 out of 6 questions. Each answer should not exceed 500 words. | 20-25 | 10 | 40 |
| TOTAL | | | | 100 |

Distribution of Questions:

| Sections | Units | No. of Questions |
|------------------|----------|------------------|
| | | Theory |
| Section A | Unit – 1 | 2 |
| | Unit - 2 | 2 |
| | Unit - 3 | 3 |
| | Unit - 4 | 3 |
| | Unit - 5 | 2 |
| Section B | Unit – 1 | 2 |
| | Unit - 2 | 2 |
| | Unit - 3 | 1 |
| | Unit - 4 | 1 |
| | Unit - 5 | 1 |
| Section C | Unit – 1 | 2 |
| | Unit - 2 | 1 |
| | Unit - 3 | 1 |
| | Unit - 4 | 1 |
| | Unit - 5 | 1 |

ALLIED PAPER IV: PRINCIPLES OF ECONOMICS – II

| | | |
|------------------------------------|------------------|------------------------|
| SUBJECT CODE: 16UDEFA04 | THEORY | MAX MARKS: 100 |
| SEMESTER-II | CREDITS 4 | TOTAL HOURS: 75 |

UNIT - I NATIONAL INCOME

Meaning of National Income – Concepts of National Income – Difficulties in the Measurement of National Income **(15 Hours)**

UNIT – II PLANNING AND ECONOMIC DEVELOPMENT

Course Objectives: - of Economic planning – Mixed Economy and Economic planning – PURA-A new Gandhian approach to development **(15 Hours)**

UNIT – III PUBLIC FINANCE

Government Budgets – Direct and Indirect taxes – Government Expenditure – Meaning of Deficit Financing- Functions of Financial Commission **(15 Hours)**

UNIT – IV INTERNATIONAL TRADE

Theories of International Trade – Comparative Cost theory, Balance of trade and balance of payments: Disequilibrium corrective methods- WTO-Trade Blocks: Meaning, EU, NAFTA and ASEAN **(15 Hours)**

UNIT – V INTERNATIONAL MONETARY SYSTEM

Functions of IMF and IBRD, the EURO, Meaning of Foreign Exchange- Purchasing Power Parity Theory - FEMA **(15 Hours)**

References

1. Ahuja H. L – Principles of Micro Economics
2. Ahuja H. L – Macro Economics, Theory & Policy
3. Rudder Dutt, Sundharam, K. P. M. – Indian Economy
4. Francis Cherunilam, International Business
5. Seth, M. L. MACRO ECONOMICS
6. Singh S. K, Public Finance in theory and practice
7. Sawyer, Sprinkle, International Economics

Question paper pattern:

| Sections | Question Components | Numbers | Marks | Total |
|------------------|---|--------------|-----------|------------|
| Section A | Definition/Principle Answer any 10 out of 12 questions. Each answer should not exceed 30 words. | 1-12 | 3 | 30 |
| Section B | Short Answer Answer any 5 out of 7 questions. Each answer should not exceed 200 words | 13-19 | 6 | 30 |
| Section C | Essay Answer any 4 out of 6 questions. Each answer should not exceed 500 words. | 20-25 | 10 | 40 |
| TOTAL | | | | 100 |

Distribution of Questions:

| Sections | Units | No. of Questions |
|------------------|----------|------------------|
| | | Theory |
| Section A | Unit – 1 | 2 |
| | Unit - 2 | 2 |
| | Unit - 3 | 3 |
| | Unit - 4 | 3 |
| | Unit - 5 | 2 |
| Section B | Unit – 1 | 2 |
| | Unit - 2 | 2 |
| | Unit - 3 | 1 |
| | Unit - 4 | 1 |
| | Unit - 5 | 1 |
| Section C | Unit – 1 | 2 |
| | Unit - 2 | 1 |
| | Unit - 3 | 1 |
| | Unit - 4 | 1 |
| | Unit - 5 | 1 |

PART IV: ENVIRONMENTAL STUDIES

Course Objectives: :- -

The importance of environmental science and environmental studies cannot be disputed. The need for sustainable development is a key to the future of mankind. Continuing problems of pollution, loss of forest, solid waste disposal, degradation of environment, issues like economic productivity and national security, Global warming, the depletion of ozone layer and loss of biodiversity have made everyone aware of environmental issues. The United Nations Conference on Environment and Development held in Rio de Janeiro in 1992 and world Summit on Sustainable Development at Johannesburg in 2002 have drawn the attention of people around the globe to the deteriorating condition of our environment. It is clear that no citizen of the earth can afford to be ignorant of environment issues. Environmental management has captured the attention of health care managers. Managing environmental hazards has become very important.

Unit 1: Multidisciplinary nature of environmental studies Definition, scope and importance and need for public awareness.

Unit 2: Natural Resources: Renewable and non-renewable resources: Natural resources and associated problems. a) Forest resources: Use and over-exploitation, deforestation, case studies. Timber extraction, mining, dams and their effects on forest and tribal people. b) Water resources: Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dams-benefits and problems. c) Mineral resources: Use and exploitation, environmental effects of extracting and using mineral resources, case studies. d) Food resources: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity, case studies. e) Energy resources: Growing energy needs, renewable and non-renewable energy sources, use of alternate energy sources. Case studies. f) Land resources: Land as a resource, land degradation, man induced landslides, soil erosion and desertification.

Unit 3: Ecosystems: Concept of an ecosystem. Structure and function of an ecosystem, Producers, consumers and decomposers. Energy flow in the ecosystem. Ecological succession. Food chains, food webs and ecological pyramids. Introduction, types, characteristic features, structure and function of the following ecosystem: -

- a. Forest ecosystem
- b. Grassland ecosystem
- c. Desert ecosystem
- d. Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries)

Unit 4: Biodiversity and its conservation Introduction – Definition: genetic, species and ecosystem diversity. Bio geographical classification of India, Value of biodiversity: consumptive use, productive use, social, ethical, aesthetic and option values. Biodiversity at global, National and local levels. India as a mega-diversity nation. Hot-spots of biodiversity. Threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife

conflicts. Endangered and endemic species of India, Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity.

Unit 5: Environmental Pollution. Definition. Cause, effects and control measures of: -a. Air pollution b. Water pollution c. Soil pollution d. Marine pollution e. Noise pollution f. Thermal pollution g. Nuclear hazards. Solid waste Management: Causes, effects and control measures of urban and industrial wastes. Role of an individual in prevention of pollution. Pollution case studies. Disaster management: floods, earthquake, cyclone and landslides.

References:

Environmental Studies, UGC Syllabus, Periyar EVR College, Trichy

SEMESTER -V

CORE PAPER IX – NATIONAL SECURITY OF INDIA

| | | |
|-------------------------|--------------|-----------------|
| SUBJECT CODE: 16UDEFC09 | THEORY | MAX MARKS: 100 |
| SEMESTER-V | CREDITS 4 | TOTAL HOURS: 75 |

Course Objectives: -:

This paper encompasses all aspects of National Security of India - its national values, interests, Course Objectives: -, foreign policy and nature of threats both internal and external

- Unit I** Introduction: (a) India's national values, b) national security objective (c) India's Foreign policy goals. **(15 Hours)**
- Unit II** Internal Security Threats: (a) Poverty and Communal harmony (b) Corruption (c) Insurgency in North East. **(15 Hours)**
- Unit III** Issues with Pakistan: (a) Jammu and Kashmir (b) Siachin (c) Sir Creek Island (d) Wuller Barrage (e) Terrorism. **(15 Hours)**
- Unit IV** Issues with China: (a) Boundary dispute (b) Misperceptions on Tibet (c) Mutual Rivalry for Regional and Global Dominance **(15 Hours)**
- Unit V** Indian Ocean: (a) Strategic significance (b) India's interests (c) Power rivalry (militarization). **(15 Hours)**

References: -

- 1) AjeyLele, Strategic Technology for the Military, New Delhi: Sage, 2009.
- 2) Gopalakrishnan, K.V., Impact of Science and Technology on Warfare, New Delhi: National Book Trust, 2003.
- 3) Buzon, Barry. An Introduction to Strategic Studies: Military Technology and International Relations, New York: St.Martin Press,1987.
- 4) Kelin, John. Space Warfare: Strategy, Principles and Policy' London: Routledge, 2006.
- 5) Nair, K.K., Space the Frontier of Modern Defence, New Delhi: Knowledge World, 2006.
- 6) Pruthi, R.K. (ed)., Robotic Warfare, Delhi: Prashant Publishing House,2009.
- 7) Rappert, Brain (ed)., Technology and Security: Governing Threats in the New Millennium, New York: Hampshire, Palgrave Macmillan, 2007.

Question paper pattern:

| Sections | Question Components | Numbers | Marks | Total |
|------------------|---|----------------|--------------|--------------|
| Section A | Definition/Principle Answer any 10 out of 12 questions. Each answer should not exceed 30 words. | 1-12 | 3 | 30 |
| Section B | Short Answer Answer any 5 out of 7 questions. Each answer should not exceed 200 words | 13-19 | 6 | 30 |
| Section C | Essay Answer any 4 out of 6 questions. Each answer should not exceed 500 words. | 20-25 | 10 | 40 |
| TOTAL | | | | 100 |

Distribution of Questions:

| Sections | Units | No. of Questions |
|------------------|--------------|-------------------------|
| | | Theory |
| Section A | Unit – 1 | 2 |
| | Unit - 2 | 2 |
| | Unit - 3 | 3 |
| | Unit - 4 | 3 |
| | Unit - 5 | 2 |
| Section B | Unit – 1 | 2 |
| | Unit - 2 | 2 |
| | Unit - 3 | 1 |
| | Unit - 4 | 1 |
| | Unit - 5 | 1 |
| Section C | Unit – 1 | 2 |
| | Unit - 2 | 1 |
| | Unit - 3 | 1 |
| | Unit - 4 | 1 |
| | Unit - 5 | 1 |

CORE PAPER: X - SPECIALIZED WARFARE

| | | |
|--------------------------------|----------------------------|------------------------|
| SUBJECT CODE: 16UDEFC10 | (THEORY) | MAX MARKS: 100 |
| SEMESTER-V | CREDITS 4 | TOTAL HOURS: 75 |

Course Objectives: -:

After completing the paper, the students will understand the types of war prevalent in the world. This paper describes the various types of warfare that are taught in the world. To understand the different types of war waged by nations at large.

Unit – I: Psychological Warfare (15 Hours)

- Definition and nature of Psychological Warfare
- Types of Propaganda
- Brain washing and Rumour—Nature, Techniques and its Effects

Unit – II: Biological and Chemical Warfare (15 Hours)

- Concept and Course Objectives: -
- Characteristics
- Types of Agents and its effects

Unit – III: Guerilla Warfare (15 Hours)

- Concept and Course Objectives: -
- Characteristics of Guerilla Warfare
- Elementary knowledge of Insurgency and Counter Insurgency

Unit – IV: Nuclear Warfare (15 Hours)

- Concept and origin of Nuclear Warfare
- Development of Nuclear Weapons
- Effects of Nuclear Explosion- Flash, Thermal Radiation, Nuclear Radiation

Unit – V: Terrorism (15 Hours)

- Definition
- Causes
- Types and Techniques

References: -

- 1) Philip M. Taylor, Munitions of the Mind: War Propaganda from the Ancient World to the Nuclear Age, (Wellingborough, 1990)
- 2) Qualter, T.H., Propaganda and Psychological Warfare, (New York, 1962)
- 3) SIPRI, The Problem of Chemical and Biological Warfare (4 Vols, New York, 1971)
- 4) Brown, F.J., Chemical Warfare: a Study in Restraint, (Princeton,1968)
- 5) Walter Laqueur, Guerilla, (London,1977)
- 6) Fairbairn, G., Revolutionary Guerilla Warfare (Harmondsworth,1974)
- 7) Asprey, R.B., War in the Shadows (London,1975)
- 8) Lawrence Freeman, The Evolution of Nuclear Strategy (London,1981)

Web Sites

- <http://www.cliffsnotes.com/cliffsnotes/history/what-is-guerrilla-warfare>
<http://www.britannica.com/EBchecked/topic/248353/guerrilla-warfare>
<http://www.opcw.org/about-chemical-weapons/what-is-a-chemical-weapon/>
https://www.princeton.edu/~achaney/tmve/wiki100k/docs/Psychological_warfare.html
http://www.emedicinehealth.com/biological_warfare/article_em.htm

Question paper pattern:

| Sections | Question Components | Numbers | Marks | Total |
|------------------|---|--------------|-----------|------------|
| Section A | Definition/Principle Answer any 10 out of 12 questions. Each answer should not exceed 30 words. | 1-12 | 3 | 30 |
| Section B | Short Answer Answer any 5 out of 7 questions. Each answer should not exceed 200 words | 13-19 | 6 | 30 |
| Section C | Essay Answer any 4 out of 6 questions. Each answer should not exceed 500 words. | 20-25 | 10 | 40 |
| TOTAL | | | | 100 |

Distribution of Questions:

| Sections | Units | No. of Questions |
|------------------|----------|------------------|
| | | Theory |
| Section A | Unit – 1 | 2 |
| | Unit - 2 | 2 |
| | Unit - 3 | 3 |
| | Unit - 4 | 3 |
| | Unit - 5 | 2 |
| Section B | Unit – 1 | 2 |
| | Unit - 2 | 2 |
| | Unit - 3 | 1 |
| | Unit - 4 | 1 |
| | Unit - 5 | 1 |
| Section C | Unit – 1 | 2 |
| | Unit - 2 | 1 |
| | Unit - 3 | 1 |
| | Unit - 4 | 1 |
| | Unit - 5 | 1 |

CORE PAPER XI –BASICS OF DEFENCE ECONOMICS

| | | |
|--------------------------------|------------------|------------------------|
| SUBJECT CODE: 16UDEFC11 | THEORY | MAX MARKS: 100 |
| SEMESTER-V | CREDITS 4 | TOTAL HOURS: 75 |

Course Objectives: :-

Economic imperatives are the vital factors in all activities of mankind to gauge its success. This applies to the study of defence sector of a country in its endeavor to meet its security needs. Knowledge about budgeting, defence allocation, resource augmentation, indigenization etc., are essential to understand the functioning of the defence sector of the state.

Unit I Introduction: (a) Definition of Economics and Defence Economics
(b) Economic System: kinds, features, merits and demerits (c) Defence and Development debate. **(15 Hours)**

Unit II Defence Budget: (i) Concepts of Finance, Revenue, Expenditure, process of Budget, National Income and Gross National Product (b) Analysis of India's Defence Budget. **(15 Hours)**

Unit III Defence Planning: (a) Parameters of Defence Planning (b) Use of Systems Analysis (c) Cost – effectiveness in selection of weapon systems. **(15 Hours)**

Unit IV Defence Production: (a) Assessment of Defence requirements (b) Role of Ordnance Factories and Public and Private sector undertakings (c) Contribution of DRDO **(15 Hours)**.

Unit V Effects of War on Economy: (a) Inflation (b) Balance of Payments (c) Mobilization of Resources. **(15 Hours)**

References: -

1. The Economics of Defence, Keith Hartley and Todd Sandler, Cambridge Surveys of Economic Literature
2. Economic Theories of Peace and War, Fanny Coulomb, Routledge
3. From Defence to Development? International Perspectives on Realizing the Peace Dividend, Sean M. DiGiovanna, Ann Markusen, Routledge.
4. Defence Production in India, Ron Mathews New Delhi: ABC,
5. Jasjit Singh, India's Defence Spending: Assessing Future Needs, New Delhi: Knowledge Publishers.
6. Y. Lakshmi, Trends in India's Defence Expenditure, New Delhi: ABC.

Web Sites

1. <http://www.britannica.com/EBchecked/topic/155696/defense-economics>
2. <file:///C:/Users/defence/Downloads/1-Keith%20Hartley.pdf>
3. http://en.wikipedia.org/wiki/Military_budget_of_India
4. <http://ofbindia.gov.in/index.php?wh=ourunits>
5. <http://www.economicshelp.org/blog/2180/economics/economic-impact-of-war/>

Question paper pattern:

| Sections | Question Components | Numbers | Marks | Total |
|------------------|---|----------------|--------------|--------------|
| Section A | Definition/Principle Answer any 10 out of 12 questions. Each answer should not exceed 30 words. | 1-12 | 3 | 30 |
| Section B | Short Answer Answer any 5 out of 7 questions. Each answer should not exceed 200 words | 13-19 | 6 | 30 |
| Section C | Essay Answer any 4 out of 6 questions. Each answer should not exceed 500 words. | 20-25 | 10 | 40 |
| TOTAL | | | | 100 |

Distribution of Questions:

| Sections | Units | No. of Questions |
|------------------|--------------|-------------------------|
| | | Theory |
| Section A | Unit – 1 | 2 |
| | Unit - 2 | 2 |
| | Unit - 3 | 3 |
| | Unit - 4 | 3 |
| | Unit - 5 | 2 |
| Section B | Unit – 1 | 2 |
| | Unit - 2 | 2 |
| | Unit - 3 | 1 |
| | Unit - 4 | 1 |
| | Unit - 5 | 1 |
| Section C | Unit – 1 | 2 |
| | Unit - 2 | 1 |
| | Unit - 3 | 1 |
| | Unit - 4 | 1 |
| | Unit - 5 | 1 |

CORE PAPER XII –HIGHER DEFENCE ORGANISATION OF INDIA

| | | |
|--------------------------------|------------------|------------------------|
| SUBJECT CODE: 16UDEFC12 | THEORY | MAX MARKS: 100 |
| SEMESTER-V | CREDITS 4 | TOTAL HOURS: 75 |

Course Objectives: - :

The Defence of a country is structured on certain organizational pattern and mechanism. It is therefore essential to have a basic knowledge of them in the correct of India.

Unit I Introduction: (a) Defence and Functions of Higher Defence Organization of India (c) Role and Functions of President of India in relation to Armed Forces, c) Ministry of Defence and various Defence Committees—Composition and Functions **(15 Hours)**

Unit II Field & Static organizations of Indian Army, Indian Air Force and Indian Navy
(b) Role and Functions of Para Military Forces. **(15 Hours)**

Unit III Organization & Function of various Indian Intelligence Agencies. **(15 Hours)**

Unit IV Structure of higher Defence Organizations of USA, Russia, China and Pakistan. **(15 Hours)**

Unit V Recruitment Organizations: System and Methods of recruitment in Indian Army, Navy and Air Force at all levels **(15 Hours)**

References: -

- 1) Venkateswaran, A.L., Defence Organisation in India, New Delhi: Government of India, 1967.
- 2) Government of India, The Army of India and its Evolution, Calcutta, 1924.
- 3) Ministry of Defence, Government of India, Indian Armed Forces Year Book, (Annual).
- 4) Palit, D.K., Essentials of Military Knowledge, (New Delhi:1989)
- 5) Singh, Nagendra., Defence Mechanism of Modern State, (New Delhi:1967).

Web sites

1. [file:///C:/Users/defence/Downloads/jds_1_1_aprakash%20\(1\).pdf](file:///C:/Users/defence/Downloads/jds_1_1_aprakash%20(1).pdf)
2. <http://issp.in/tag/higher-defence-organisation/>
3. <http://pages.rediff.com/national-security-council--india-/980882>
4. http://knowindia.gov.in/myindia/myindia_frame.php?id=6
5. http://en.wikipedia.org/wiki/List_of_Indian_intelligence_agencies

Question paper pattern:

| Sections | Question Components | Numbers | Marks | Total |
|------------------|---|--------------|-----------|------------|
| Section A | Definition/Principle Answer any 10 out of 12 questions. Each answer should not exceed 30 words. | 1-12 | 3 | 30 |
| Section B | Short Answer Answer any 5 out of 7 questions. Each answer should not exceed 200 words | 13-19 | 6 | 30 |
| Section C | Essay Answer any 4 out of 6 questions. Each answer should not exceed 500 words. | 20-25 | 10 | 40 |
| TOTAL | | | | 100 |

Distribution of Questions:

| Sections | Units | No. of Questions |
|------------------|----------|------------------|
| | | Theory |
| Section A | Unit – 1 | 2 |
| | Unit - 2 | 2 |
| | Unit - 3 | 3 |
| | Unit - 4 | 3 |
| | Unit - 5 | 2 |
| Section B | Unit – 1 | 2 |
| | Unit - 2 | 2 |
| | Unit - 3 | 1 |
| | Unit - 4 | 1 |
| | Unit - 5 | 1 |
| Section C | Unit – 1 | 2 |
| | Unit - 2 | 1 |
| | Unit - 3 | 1 |
| | Unit - 4 | 1 |
| | Unit - 5 | 1 |

ELECTIVE – I: FUNDAMENTALS OF JOURNALISM

| | | |
|-------------------------------|----------------|-----------------------|
| SUBJECT CODE:16UDEFE01 | THEORY | MAX MARKS: 100 |
| SEMESTER-V | CREDITS | TOTAL HOURS: |
| | 5 | 75 |

Course Objectives: -:

Defence journalism, though very much a part of modern-day journalism, has practically very little literature for reference. There is an urgent need to understand essential information, facts, sources, and the qualities required to become a successful Defence journalist. Also, provide knowledge how to be responsible Defence Journalist. Depending on branch of service and specific Military Occupational Specialty, military journalists learn to do a surprising variety of jobs.

Unit I Introduction Journalism: Meaning, relevance and scope (b) News Organization Structure and functioning (c) Media: concept, kind and characteristics. **(15 Hours)**

Unit II Defence News: (a) Purpose and meaning (b) Kinds and sources (c) Theories of news selection. **(15 Hours)**

Unit III Reporting Defence Stories: (a) Format, Language and Grammar (b) Kinds: Eye Witness, Computer assisted Features (c) Concepts of Graphics and animation (d) Interviewing skills. **(15 Hours)**

Unit IV Editing: (a) Abbreviations and definition of military terms (b) Proof – reading symbols (c) Caption writing and picture editing **(15 Hours)**.

Unit V Hurdles in Defence writing: (a) Media Ethics (b) Media Laws (c) Military vs. Media debate (d) News Photography. **(15 Hours)**

References: -

- 1) Menon, P.K., Practical Journalism, Jaipur: Aavishkar Publishers & Distributers, 2005.
- 2) Dhara,R., Journalism, Calcutta : Industry Publishers,1945.
- 3) Basu, R.N., Handbook of Journalism, Jaipur: Pointer Publishers, 2005.
- 4) Kamath,M.V., The Journalist's Handbook, New Delhi : Vikas,1980.
- 5) Professional Journalism, New Delhi: Vikas, 1983.

Web Sites

1. <http://en.wikipedia.org/wiki/Journalism>
2. http://en.wikipedia.org/wiki/Mass_media
3. <http://www.poynter.org/how-tos/journalism-education/190429/in-defense-of-journalism-education-the-3-essentials-it-teaches/>
4. <http://www.w3.org/TR/CSS21/media.html>

Question paper pattern:

| Sections | Question Components | Numbers | Marks | Total |
|------------------|---|--------------|-----------|------------|
| Section A | Definition/Principle Answer any 10 out of 12 questions. Each answer should not exceed 30 words. | 1-12 | 3 | 30 |
| Section B | Short Answer Answer any 5 out of 7 questions. Each answer should not exceed 200 words | 13-19 | 6 | 30 |
| Section C | Essay Answer any 4 out of 6 questions. Each answer should not exceed 500 words. | 20-25 | 10 | 40 |
| TOTAL | | | | 100 |

Distribution of Questions:

| Sections | Units | No. of Questions |
|------------------|----------|------------------|
| | | Theory |
| Section A | Unit – 1 | 2 |
| | Unit - 2 | 2 |
| | Unit - 3 | 3 |
| | Unit - 4 | 3 |
| | Unit - 5 | 2 |
| Section B | Unit – 1 | 2 |
| | Unit - 2 | 2 |
| | Unit - 3 | 1 |
| | Unit - 4 | 1 |
| | Unit - 5 | 1 |
| Section C | Unit – 1 | 2 |
| | Unit - 2 | 1 |
| | Unit - 3 | 1 |
| | Unit - 4 | 1 |
| | Unit - 5 | 1 |

PART IV: VALUE EDUCATION

Course Objectives: - :

Values are socially accepted norms to evaluate objects, persons, and situations that form part and parcel of sociality. A value system is a set of consistent values and measures. Knowledge of the values are inculcated through education. It contributes in forming true human being, who are able to face life and make it meaningful.

Unit I:

Value education-its purpose and significance in the present world – Value system – The role of culture and civilization-Holistic living – Balancing the outer and inner – Body, Mind and Intellectual level- Duties and responsibilities. **(15 Hours)**

Unit II:

Salient values for life- Truth, commitment, honesty and integrity, forgiveness and love, empathy and ability to sacrifice, care, unity, and inclusiveness, Self-esteem and self-confidence, punctuality
– Time, task and resource management – Problem solving and decision-making skills- Interpersonal and Intra personal relationship – Team work – Positive and creative thinking **(15 Hours)**

Unit III:

Human Rights – Universal Declaration of Human Rights – Human Rights violations – National Integration – Peace and non-violence – Dr. A P J Kalam’s ten points for enlightened citizenship – Social Values and Welfare of the citizen – The role of media in value building. **(15 Hours)**

Unit IV:

Environment and Ecological balance – interdependence of all beings – living and non-living. The binding of man and nature – Environment conservation and enrichment **(15 Hours)**

Unit V:

Social Evils – Corruption, Cybercrime, Terrorism – Alcoholism, Drug addiction – Dowry – Domestic violence – untouchability – female infanticide – atrocities against women- How to tackle them **(15 Hours)**

References: -

1. M.G.Chitakra: Education and Human Values, A.P.H.Publishing Corporation, New Delhi, 2003
2. Chakravarthy, S.K.: Values and ethics for Organizations: Theory and Practice, Oxford University Press, New Delhi, 1999.
3. Satchidananda, M.K.: Ethics, Education, Indian Unity and Culture, Ajantha Publications, Delhi, 1991

Web sites

1. http://moe.edu.tt/curriculum_pdfs/Morals_and_Values_Curriculum_Prim.pdf
2. <http://www.edpsycinteractive.org/topics/affect/valuesga.html>
3. <http://www.ohchr.org/EN/Issues/Pages/WhatareHumanRights.aspx>
4. <http://www.publishyourarticles.net/knowledge-hub/essay/essay-on-social-evils-in-india.htm>

SEMESTER - VI

CORE PAPER: XIII - INTERNATIONAL LAW

| | | |
|-------------------------|-----------|-----------------|
| SUBJECT CODE: 16UDEFC13 | THEORY | MAX MARKS: 100 |
| SEMESTER-VI | CREDITS 4 | TOTAL HOURS: 75 |

Course Objectives: -:

This paper aims at introducing to the student different aspects of International Law. The laws which govern the conduct of war, Laws of neutrality and the organization of the International court of Justice are covered in this paper.

Unit I Introduction: (15 Hours)

- (a) Definition, Basis of international Law, History and its development
- (b) Nature, Source and Codification
- (c) Distinction between International and Municipal laws

Unit II Laws of Land, Sea and Air Warfare (15 Hours)

- (a) Laws of Land Warfare
- (b) Laws of Maritime Warfare
- (c) Laws of Aerial Warfare
- (d) War Crimes and Genocide

Unit III laws of Neutrality (15 Hours)

- (a) The laws of Neutrality
- (b) Right of Angary
- (c) Contraband and Doctrine of Continuous Voyage

Unit IV Management of International Law (15 Hours)

- (a) Settlement of International Disputes
- (b) War its Legal Character and Effects
- (c) Enemy Character

Unit - V Legal Mechanisms (15 Hours)

- (a) Blockade - Concept, Establishment, Kinds and Penalties for breach
- (b) Prize Courts
- (c) Organization, role and functions of International Court of Justice.

References:

- 1) Tandon, M.P, and Rajesh Tandon, An Introduction of International Law, Allahabad: Allahabad Law Agency, 1987.
- 2) Kapoor, S.K., International Law, Allahabad; Allahabad Law Agency, 1989.
- 3) Chavan, R.S., An Approach to International Law, New Delhi: Sterling, 1971.
- 4) Starke, J., An Introduction to International Law.
- 5) Oppenheim, International Law.

Web Sites

1. [https://www.google.co.in/webhp?sourceid=chrome-instant&ion=1&espv=2&ie=UTF-8#safe=active&q=international law](https://www.google.co.in/webhp?sourceid=chrome-instant&ion=1&espv=2&ie=UTF-8#safe=active&q=international+law)
2. http://www.loc.gov/rr/frd/Military_Law/pdf/law_warfare-1956.pdf
3. <https://www.icrc.org/eng/resources/documents/misc/57jpc1.htm>
4. http://www.geneva-academy.ch/docs/academyLecture/Lecture_Heinegg.pdf
5. <http://dictionary.reference.com/browse/blockade>

Question paper pattern:

| Sections | Question Components | Numbers | Marks | Total |
|------------------|---|--------------|-----------|------------|
| Section A | Definition/Principle Answer any 10 out of 12 questions. Each answer should not exceed 30 words. | 1-12 | 3 | 30 |
| Section B | Short Answer Answer any 5 out of 7 questions. Each answer should not exceed 200 words | 13-19 | 6 | 30 |
| Section C | Essay Answer any 4 out of 6 questions. Each answer should not exceed 500 words. | 20-25 | 10 | 40 |
| TOTAL | | | | 100 |

Distribution of Questions:

| Sections | Units | No. of Questions |
|------------------|----------|------------------|
| | | Theory |
| Section A | Unit – 1 | 2 |
| | Unit - 2 | 2 |
| | Unit - 3 | 3 |
| | Unit - 4 | 3 |
| | Unit - 5 | 2 |
| Section B | Unit – 1 | 2 |
| | Unit - 2 | 2 |
| | Unit - 3 | 1 |
| | Unit - 4 | 1 |
| | Unit - 5 | 1 |
| Section C | Unit – 1 | 2 |
| | Unit - 2 | 1 |
| | Unit - 3 | 1 |
| | Unit - 4 | 1 |
| | Unit - 5 | 1 |

CORE PAPER: XIV –WARS IN INDEPENDENT INDIA

| | | |
|--------------------------------|------------------|------------------------|
| SUBJECT CODE: 16UDEFC14 | THEORY | MAX MARKS: 100 |
| SEMESTER-VI | CREDITS 4 | TOTAL HOURS: 75 |

Course Objectives: :-

The course of Political and strategic dynamics in Indian sub-continent becomes essential to appreciate the series of wars India encountered with her neighboring states

Unit I Introduction:

- (a) Partition of British Indian Army
- (b) Early Challenges: Annexation of Junagadh – 1947. Operations Polo (Integration of Hyderabad 1948), Operation Vijay (Integration of Goa 1961). **(15 Hours)**

Unit II Operation in Kashmir – 1947 – 48

- (a) Events leading to annexation
- (b) Operations of Indian Army
- (c) Military lessons. **(15 Hours)**

Unit III Chinese invasion of India – 1962;

- (a) Causes of War
- (b) Important Operations of War
- (c) Military Re – organization. **(15 Hours)**

Unit IV

- (a) Indo – Pakistan War of 1965: Outline of the Operations, Role of Artillery
- (b) Operation Cactus- Lily.
- (c) Liberation of East Pakistan 1971- Origin and Causes of War. **(15 Hours)**

Unit V Internal Security Operations:

- (a) Operation Blue Star – 1984
- (b) Operation Rhino (Northeast Region)
- (c) Operation Vijay. **(15 Hours)**

References:

1. Sinha Lt. Gen - Slender was the Thread
2. Johari, Sitaram - Chinese invasion of NEFA
3. Mankekar D.R - Pakistan Cut to size
4. Subramaniam. K. - Liberation War
5. Subramaniam. K - Kargil Report.

Web Sites

1. http://webcache.googleusercontent.com/search?q=cache:Wij-sSFZ1kcJ:en.wikipedia.org/wiki/Indo-Pakistani_War_of_1947+&cd=4&hl=ta&ct=clnk&gl=in
2. <https://history.state.gov/milestones/1961-1968/india-pakistan-war>

3. <http://www.ndtv.com/article/cheat-sheet/how-india-bungled-1962-war-with-china-10-points-496995>
4. http://www.globalsecurity.org/military/world/war/indo-pak_1971.htm
5. <https://www.quora.com/India-Pakistan-Rivalry/What-is-the-truth-behind-kargil-war>

Question paper pattern:

| Sections | Question Components | Numbers | Marks | Total |
|------------------|---|--------------|-----------|------------|
| Section A | Definition/Principle Answer any 10 out of 12 questions. Each answer should not exceed 30 words. | 1-12 | 3 | 30 |
| Section B | Short Answer Answer any 5 out of 7 questions. Each answer should not exceed 200 words | 13-19 | 6 | 30 |
| Section C | Essay Answer any 4 out of 6 questions. Each answer should not exceed 500 words. | 20-25 | 10 | 40 |
| TOTAL | | | | 100 |

Distribution of Questions:

| Sections | Units | No. of Questions |
|------------------|----------|------------------|
| | | Theory |
| Section A | Unit – 1 | 2 |
| | Unit - 2 | 2 |
| | Unit - 3 | 3 |
| | Unit - 4 | 3 |
| | Unit - 5 | 2 |
| Section B | Unit – 1 | 2 |
| | Unit - 2 | 2 |
| | Unit - 3 | 1 |
| | Unit - 4 | 1 |
| | Unit - 5 | 1 |
| Section C | Unit – 1 | 2 |
| | Unit - 2 | 1 |
| | Unit - 3 | 1 |
| | Unit - 4 | 1 |
| | Unit - 5 | 1 |

CORE PAPER XV – DISARMAMENT AND ARMS CONTROL

| | | |
|--------------------------------|------------------|------------------------|
| SUBJECT CODE: 16UDEFC15 | THEORY | MAX MARKS: 100 |
| SEMESTER-VI | CREDITS 4 | TOTAL HOURS: 75 |

Course Objectives:

Disarmament efforts from the formation of nation state system is attempted in this paper which gained momentum after the Second World War and also Arms control measures are applied to Nuclear states which is being appraised in this paper.

Unit I Introduction

- (a) The evolution of the nuclear era since 1945
- (b) Basics of nuclear technology, nuclear energy and its uses. **(15 Hours)**

Unit II Development of missiles

- (a) Classifications and characteristics,
- (b) Brief study of the theories of nuclear warfare: Preventive, Pre-emptive, Massive Retaliation, Counter Force, Counter Value, Flexible Response, MAD and MAS. **(15 Hours)**

Unit III Elementary study of Treaties:

- (a) Nuclear – weapon Treaties, (PTBT, TTBT, PNET & CTBT)
- (b) Nuclear Arms Limitation Treaties (ABM, SALT, INF and START)
- (c) Nuclear – Weapon proliferation Treaties (NPT, MTCR) FMCT, NSG and its impact on Indo-US Agreement **(15 Hours)**

Unit IV Conventions of

- (a) Chemical and Biological Weapons
- (b) Prevention of Accidental Wars **(15 Hours)**

Unit V

- (a) India's contribution in the process of arms control. **(15 Hours)**

References: -

- 1) Cochran, Thomas, Arkin, William, and Hoenig, William, Nuclear Weapons Databook(5 vols., Cambridge, Mss, 1984).
- 2) Glasstone, S., and Dolan, P.J., The Effects of Nuclear Weapons (Washington, 1977).
- 3) Grace, Charles, Nuclear Weapons: Principles, Effects and Survivability (London, 1994).
- 4) Brodie, Bernard, Strategy in the Missile Age (Princeton, 1959).
- 5) Lee, R.G., Guided Weapons (London, 1988).

Web Sites

1. <http://en.wikipedia.org/wiki/Disarmament>
2. http://en.wikipedia.org/wiki/Arms_control
3. <http://en.wikipedia.org/wiki/Missile>
4. <http://www.britannica.com/EBchecked/topic/421797/nuclear-strategy>
5. <http://blog.oup.com/2014/11/cold-war-nuclear-strategy-agreed-framework/>

Question paper pattern:

| Sections | Question Components | Numbers | Marks | Total |
|------------------|---|--------------|-----------|------------|
| Section A | Definition/Principle Answer any 10 out of 12 questions. Each answer should not exceed 30 words. | 1-12 | 3 | 30 |
| Section B | Short Answer Answer any 5 out of 7 questions. Each answer should not exceed 200 words | 13-19 | 6 | 30 |
| Section C | Essay Answer any 4 out of 6 questions. Each answer should not exceed 500 words. | 20-25 | 10 | 40 |
| TOTAL | | | | 100 |

Distribution of Questions:

| Sections | Units | No. of Questions |
|------------------|----------|------------------|
| | | Theory |
| Section A | Unit – 1 | 2 |
| | Unit - 2 | 2 |
| | Unit - 3 | 3 |
| | Unit - 4 | 3 |
| | Unit - 5 | 2 |
| Section B | Unit – 1 | 2 |
| | Unit - 2 | 2 |
| | Unit - 3 | 1 |
| | Unit - 4 | 1 |
| | Unit - 5 | 1 |
| Section C | Unit – 1 | 2 |
| | Unit - 2 | 1 |
| | Unit - 3 | 1 |
| | Unit - 4 | 1 |
| | Unit - 5 | 1 |

ELECTIVE II: LIMITED WARS

| | | |
|--------------------------------|------------------|------------------------|
| SUBJECT CODE: 16UDEFE02 | THEORY | MAX MARKS: 100 |
| SEMESTER-VI | CREDITS 5 | TOTAL HOURS :75 |

Course Objectives:

After going through this paper students will understand wars that were fought after the end of World War – II. This paper deals with the evolution of limited wars after the end of World War – II. To make the students learn about some of the important wars that was fought after 1945.

Unit – 1: Korean War (15 Hours)

- a) Concept, meaning and scope of limited wars
- b) Causes of Korean War
- c) Main events
- d) Role of UNO

Unit – 2: Vietnam War (15 Hours)

- a) Causes
- b) Main events
- c) Lessons learnt

Unit – 3: Arab Israeli Wars, 1967 & 1993 (15 Hours)

- a) Causes
- b) Main events
- c) Role of Air power
- d) Lessons learnt

Unit – 4: Iran – Iraq War (15 Hours)

- a) Causes
- b) Highlights of the war
- c) Result and lessons learnt

Unit – 5: Gulf of War I & II (15 Hours)

- a) Causes
- b) Highlights of the war
- c) Role of the UN

References:

- 1) Hastings, Max, The Korean War, (London: 1987)
- 2) Herring, George, America's Longest War (New York, 1996)
- 3) Fraser, T.G., The Arab - Israeli Conflict (London: 1995)
- 4) Agwani, M.S., The West Asian Crisis, New Delhi: 1995.
- 5) Colvocoressi, P., World Politics: 1954 - 2000, New Delhi: Pearson Education, 2001.
- 6) Schoot, Ian., World Famous Battles, London: Magpie Books Ltd., 1994.

Web Sites

1. en.wikipedia.org/wiki/Limited_war
2. en.wikipedia.org/wiki/Korean_War
3. en.wikipedia.org/wiki/Vietnam_War
4. en.wikipedia.org/wiki/Arab-Israeli_conflict
5. en.wikipedia.org/wiki/Iran-Iraq_War
6. en.wikipedia.org/wiki/Gulf_War

Question paper pattern:

| Sections | Question Components | Numbers | Marks | Total |
|------------------|---|--------------|-----------|------------|
| Section A | Definition/Principle Answer any 10 out of 12 questions. Each answer should not exceed 30 words. | 1-12 | 3 | 30 |
| Section B | Short Answer Answer any 5 out of 7 questions. Each answer should not exceed 200 words | 13-19 | 6 | 30 |
| Section C | Essay Answer any 4 out of 6 questions. Each answer should not exceed 500 words. | 20-25 | 10 | 40 |
| TOTAL | | | | 100 |

Distribution of Questions:

| Sections | Units | No. of Questions |
|------------------|----------|------------------|
| | | Theory |
| Section A | Unit – 1 | 2 |
| | Unit - 2 | 2 |
| | Unit - 3 | 3 |
| | Unit - 4 | 3 |
| | Unit - 5 | 2 |
| Section B | Unit – 1 | 2 |
| | Unit - 2 | 2 |
| | Unit - 3 | 1 |
| | Unit - 4 | 1 |
| | Unit - 5 | 1 |
| Section C | Unit – 1 | 2 |
| | Unit - 2 | 1 |
| | Unit - 3 | 1 |
| | Unit - 4 | 1 |
| | Unit - 5 | 1 |

ELECTIVE – III - DEFENCE MANAGEMENT

| | | |
|--------------------------------|------------------|------------------------|
| SUBJECT CODE: 16UDEFE03 | THEORY | MAX MARKS: 100 |
| SEMESTER-VI | CREDITS 5 | TOTAL HOURS: 75 |

Course Objectives:

A clear insight into the principles and concepts of management, those are imperative in comprehending Defence management. It is imperative for the practicing managers and the officers in the armed forces to get acquainted with the essentials of management. This paper Defence Management focuses on practical aspects of Defence management through the eyes of practitioners.

Unit I Introduction (a) Definition of administration and management (b) Principles and process of Defence management. **(15 Hours)**

Unit II Planning (a) Definition and features (b) Steps in planning (c) Management by Course Objectives: - (d) Decision Making process and techniques. **(15 Hours)**

Unit III Organizing (a) Structure, function and characteristics of military organizations **(15 Hours)**

Unit IV Staffing (a) Sources of Manpower supply (b) Selection process for officers and other ranks in Indian Armed Forces and Para-Military Forces **(15 Hours)**

Unit V Directing and controlling (a) Military leadership (b) Parameters of morale and motivation (c) Control techniques. **(15 Hours)**

References:

1. Principles of Management, M. Govindarajan and S. Natarajan, PHI Learning Pvt. Ltd.,
2. Principles of Management, Tripathi, Tata McGraw-Hill Education.
3. Essentials of Management, Koontz, Tata McGraw-Hill Education.
4. Management: A Systems and Contingency Analysis of Managerial Functions, Harold Koontz, Cyril O'Donnell McGraw-Hill.
5. Principles of Management: A Modern Approach, P. K. Saxena, Global India Publications, New Delhi.

Web Sites

1. en.wikipedia.org/wiki/Capability_management
2. en.wikipedia.org/.../Organizational_structure
3. en.wikipedia.org/wiki/Military_organization
4. odam.defense.gov/.../Functions/Organizational
5. www.managementstudyguide.com/directing_

Question paper pattern:

| Sections | Question Components | Numbers | Marks | Total |
|------------------|---|----------------|--------------|--------------|
| Section A | Definition/Principle Answer any 10 out of 12 questions. Each answer should not exceed 30 words. | 1-12 | 3 | 30 |
| Section B | Short Answer Answer any 5 out of 7 questions. Each answer should not exceed 200 words | 13-19 | 6 | 30 |
| Section C | Essay Answer any 4 out of 6 questions. Each answer should not exceed 500 words. | 20-25 | 10 | 40 |
| TOTAL | | | | 100 |

Distribution of Questions:

| Sections | Units | No. of Questions |
|------------------|--------------|-------------------------|
| | | Theory |
| Section A | Unit – 1 | 2 |
| | Unit - 2 | 2 |
| | Unit - 3 | 3 |
| | Unit - 4 | 3 |
| | Unit - 5 | 2 |
| Section B | Unit – 1 | 2 |
| | Unit - 2 | 2 |
| | Unit - 3 | 1 |
| | Unit - 4 | 1 |
| | Unit - 5 | 1 |
| Section C | Unit – 1 | 2 |
| | Unit - 2 | 1 |
| | Unit - 3 | 1 |
| | Unit - 4 | 1 |
| | Unit - 5 | 1 |

