



UNIVERSITY OF CALCUTTA

Notification No.CSR/20/2023

It is notified for information of all concerned that in terms of the provisions of Section 54 of the Calcutta University Act, 1979, (as amended), and, in exercise of her powers under 9(6) of the said Act, the Vice-Chancellor has, by an order dated 25.07.2023 approved the syllabus of the under mentioned subjects semester wise Four-year (Honours & Honours with Research) /Three-year (Multidisciplinary) programme of U.G. courses of studies, as applicable under CCF,2022, under this University, as laid down in the accompanying pamphlet.

1. Food & Nutrition
- ✓ 2. Defence Studies
3. Human Development
4. Sanskrit (Revised syllabus after incorporating some amendments, in the syllabus published in CSR/18/23,dt.24.7.23)
5. Persian
6. Computer Science
7. B.Mus.(Honours) and Music (Minor)
8. Marks distribution for semesters 1 & 2 and Amendments in the syllabus of English (4-year Honours/3-year MDC)
9. Amendments in SEC paper of Physiology (Honours & Honours with Research) Courses (as mentioned in CSR/13/23,11.07.2023)
10. Environmental Science (Revised syllabus after incorporating some amendments, in the syllabus published in CSR/18/23, DT.24.7.2023)

The above shall take effect from the academic session 2023-2024.

SENATE HOUSE

Kolkata-700073

The 28th July ,2023

Prof.(Dr.) Debasis Das

Registrar

DEFENCE STUDIES

CC - 1

Unit – 1

25 Marks

30 L

National security

- a. Definition, objective, scope of National security.
- b. Elements of National security.
- c. Geographical factors affecting national security.
- d. Economic factors affecting national security.
- e. Military potentialities affecting national security.
- f. National policy affecting national security.
- g. National morale affecting national security.

Unit – 2

25 Marks

30 L

Indian Economic and Industrial Potentialities

- a. Definition of Resource, Strategic Resource and its importance in national security.
- b. Industrialization of India and its impacts on national security.
- c. Scientific and industrial development in India since independence.
- d. Development of Defence industries in India since independence.

Unit – 3

25 Marks

30 L

India's Transportation and Communication System

- a. Different modes of transportation system in Indian.
- b. Development of Roadways, Railways, Airways and Naval ways.
- c. Classification of communication Systems in India: Postal, Telegraph, telephones, wireless, internet etc.
- d. Development of Communication Systems in India.
- e. Media: Publicity, Propaganda and its impact on national Security.

Unit – 4 (Practical)

Marks: - 25

30 L

- a. Map Reading
- b. Conventional Sign
- c. Scale

CC – 2

Unit – 1 **25 marks** **30 L**

Military Geography of India

- a. Strategic location with reference to Geo-strategy and Geo-politics.
- b. Size, Shape, Location, Nature, Climate, Population and National Resource affecting the National Defence and Security of the country.
- c. Strategic Importance of Himalaya in Defence of India.

Unit – 2 **25 Marks** **30 L**

Military Geography of some Border States of India

- a. Punjab
- b. Gujarat
- c. Rajasthan
- d. West Bengal
- e. Tripura
- f. Assam
- g. Mizoram
- h. Manipur
- i. Nagaland
- j. Jammu and Kashmir

Unit – 3 **25 Marks** **30 L**

Frontiers of India

- a. Strategic importance of Land frontier of India
- a. Strategic importance of coastal frontiers of India
- b. Strategic importance of Air border of India

Unit – 4 (Practical) **Marks: - 25** **30 L**

1. Basic idea of Small Arms.
2. Characteristics, Labeled sketch and Mechanism of the following Arms:
 - a. 0.303 Rifle
 - b. SLR
 - c. LMG

CC – 3

WAR

Unit – 1 **Marks: 25** **30 L**

- a. Definition, Objectives and Causes of war and its effects
- b. Different types of War: Psychological War, Cold War, Chemical War and Biological War
- c. Land Warfare: Jungle Warfare, Desert Warfare and Mountain Warfare.

Unit – 2 **Marks: 25** **30 L**

- a. Guerilla warfare
- b. Naval warfare
- c. Air warfare

Unit – 3 **Marks: 25** **30 L**

- a. Principles of War
- b. Operation of War
- c. Strategy and Tactics of War

Unit – 4 (Practical) **Marks: - 25** **30 L**

Characteristics, Labeled sketch and Mechanism of the following Arms:

- a. SMC
- b. 2 inch Mortar
- c. 36 HE Grenade
- d. Nuclear Bombs

CC – 4

Military History

Unit – 1 **Marks: 25** **30 L**

- a. Military system of Pala Period
- b. Military system of Mughal Period
- c. Military system of Maratha Period
- d. Military system of Sikh Period

Unit – 2 **Marks: 25** **30 L**

- a. Strategy of First Battle of Panipath.
- b. Strategy of Second Battle of Panipath.
- c. Strategy of Third Battle of Panipath.
- d. Strategy of Battle of Plassey.
- e. Strategy of Battle of Chillianwala.

Unit – 3 **Marks: 25** **30 L**

- a. Strategy of First World War
- b. Strategy of Second World War
- c. Military History of 1965 Indo – Pak War
- d. Military History of 1971 Indo – Pak War
- e. Military History of 1962 Indo – China War

Unit – 4 (Practical) **Marks: - 25** **30 L**

Diagram and Battle Formation of the following Battle:

- a. First Battle of Panipath.
- b. Second Battle of Panipath.
- c. Third Battle of Panipath.
- d. Battle of Plassey.
- e. Battle of Chillianwala.

CC – 5

Defence Arms and Armaments

Unit – 1

Marks: 25

30 L

Diagram, Characteristics and Applications of some weapons carrier of Land War Fare:

- a. Tank – Role, Characteristics and Limitations
- b. Vijayanta Tank.
- c. Patton Tank.
- d. Chaffee Tank.
- e. Arjun.

Unit – 2

Marks: 25

30 L

Diagram, Characteristics and Mechanism of Naval Armament:

- a. Battle Ship
- b. Battle Cruiser.
- c. Destroyer
- d. Air-Craft Carrier.
- e. Sloop.
- f. Frigate.
- g. Mine and Mine Sweeper.
- h. Motor Torpedo Boat.
- i. Submarine.
- j. Torpedo.
- k. Depth Charge.

Unit – 3

Marks: 25

30 L

Diagram, Characteristics and Mechanism of Air Force Armament:

- a. Glider
- b. Helicopter.
- c. Bomber
- d. Fighter.
- e. Missile.
- f. Fighter-Bomber.

Unit – 4 (Practical)

Marks: - 25

30 L

- a. Technical Drawing / Sketching and process of Night March
- b. Service Protector and its Applications

CC – 6

Security of India

Unit – 1 **Marks: 25** **30 L**

- a. Concepts and factors affecting security of India.
- b. Internal and External security of India.
- c. Logistic Problem of India.

Unit – 2 **Marks: 25** **30 L**

- a. Definition and Objectives of Defence Policy
- b. India's National Defence Policy
- c. India's Defence Strategy.

Unit – 3 **Marks: 25** **30 L**

- a. Concepts of Arm control and disarmaments.
- b. Military Pacts and Treaties.
- c. Second line of Defence – BSF, CRPF, ITBP, Assam Rifle, CISF.

Unit – 4 (Practical) **Marks: - 25** **30 L**

Project on India's modern nuclear Weapon and its capabilities.

Foreign Policy and International Relationship

Unit – 1 **Marks: 25** **30 L**

- a. Concepts and Objectives of International Relation
- b. India's Foreign Policy and its Objectives.
- c. Characteristics of India's Foreign Policy
- d. Impact of India's Foreign policy in Defence and Security.

Unit – 2 **Marks: 25** **30 L**

India's Relationship with its neighbor Countries: -

- a. China
- b. Bangladesh
- c. Bhutan
- d. Pakistan
- e. Sri Lanka
- f. Nepal

Unit – 3 **Marks: 25** **30 L**

India's Relationship with the following Countries: -

- a. USA
- b. Russia
- c. UK
- d. French

Unit – 4 (Practical) **Marks: - 25** **30 L**

Project on Security related issues of India.

Organizations of Indian Armed Forces

Unit – 1 **Marks: 25** **30 L**

- a. Organization of Ministry of Defence.
- b. Organization of Indian Army.
- c. Static and Field Formation, Infantry Battalion, Armored Regiment and Artillery Regiment

Unit – 2 **Marks: 25** **30 L**

- a. Organization of Indian Navy.
- b. Organization of Indian Air Force.

Unit – 3 **Marks: 25** **30 L**

Second Line of Defence: Coast Guard, NSG, Territorial Army, NCC

Unit – 4 (Practical) **Marks: - 25** **30 L**

1. Drawing / Sketching of Prismatic Compass.
2. Different Parts of Prismatic Compass.
3. Uses of Prismatic Compass.

IDC

National Integration

Unit – 1

Marks: 25

30 L

- a. Definition and importance of National Integration.
- b. Essence and Necessity of National Integration.
- c. Factors Affecting National Integration.
- d. Measures to achieve National Integration.

Personality Development

Unit – 2

Marks: 25

30 L

- a. Introduction and concept of Life Skills.
- b. Life Skills which help to enhance the personality.
- c. Factors influencing Personality.

Leadership and Man Management

Unit – 3

Marks: 25

30 L

- a. Important Leadership Traits.
- b. Indicators of Leadership and Evaluation.
- c. Motivation and Factors Which Motivate.
- d. Morale values and character traits.
- e. Courtesy and customs of Man Management.

SEC

Indian Army

Unit – 1

Marks: 25

30 L

- a. Role of Indian Army.
- b. Name of Arms and Ammunitions used by Indian Army
- c. Commands of Indian Army.
- d. Ranks of Indian Army.
- e. Honours and Awards of Armed Forces.

Indian Navy

Unit – 2

Marks: 25

30 L

- a. Role of Indian Navy.
- b. Arms and Armaments used by Indian Navy.
- c. Commands of Indian Navy.
- d. Ranks of Indian Navy.

Indian Air Force

Unit – 3

Marks: 25

30 L

- a. Role of Indian Air Force.
- b. Arms and Armaments used by Indian Air Force.
- c. Commands of Indian Air Force.
- d. Ranks of Indian Air Force.