

# Vidyasagar University

## *Curriculum for B.Sc. (General) in Defence Studies* [Choice Based Credit System]

### Semester-I

| Course                        | Course Code | Name of the Subjects                    | Course Type/<br>Nature | Teaching Scheme in hour per week |   |   | Credit    | Marks      |
|-------------------------------|-------------|---|------------------------|----------------------------------|---|---|-----------|------------|
|                               |             |   |                        | L                                | T | P |           |            |
| <b>CC1</b><br><b>[DSC-1A]</b> |             | <b>C1T: War and Theories of Warfare</b> | Core Course-1          | 5                                | 1 | 0 | 6         | 75         |
| <b>CC2</b><br><b>[DSC-2A]</b> | TBD         | <b>DSC-2A (other Discipline)</b>        | Core Course-2          |                                  |   |   | 6         | 75         |
| <b>CC3</b><br><b>[DSC-3A]</b> | TBD         | <b>DSC-3A (other Discipline)</b>        | Core Course-3          |                                  |   |   | 6         | 75         |
| <b>AECC</b>                   |             | English                                 | AECC (Elective)        | 1                                | 1 | 0 | 2         | 50         |
|                               |             |   |                        |                                  |   |   |           |            |
| <b>Semester Total</b>         |             |   |                        |                                  |   |   | <b>20</b> | <b>275</b> |

**L**=Lecture, **T**=Tutorial, **P**=Practical, **CC** = Core Course, **TBD** = To be decided, **AECC**= Ability Enhancement Compulsory Course

**DSC-1** = Discipline Specific Core of Subject-1, **DSC-2** = Discipline Specific Core of Subject-2, **DSC-3** = Discipline Specific Core of Subject-3.

**Semester-I**  
**Core Course (CC)**

**CC-1: War and Theories of Warfare**

**Credits 06**

**C1T: War and Theories of Warfare**

1. Concept, causes and Theories of war
2. Type of war
  - 2.1 conventional war
    - 2.1.1 Limited war
    - 2.1.2 Total war
  - 2.2 Unconventional war
    - 2.2.1 Low Intensity
    - 2.2.2 Guerrilla war
    - 2.2.3 Insurgency and counter-insurgency
  - 2.3 Nuclear, Biological and chemical war: consequences and Remedies
3. Principals, operations, strategy, Tactics and logistics of Warfare
4. The Future of War
  - 4.1 Globalisation and its Effects
  - 4.2 Concept of Escalation theories of Herman Khan
  - 4.3 Concept of Jihad
  - 4.4 Revolution of Military Affairs

**Suggested Readings:**

1. Animesh Roy, The land and the people: Mizoram, Oxford University Press
2. Ahar Gat, War and Human civilization, Oxford University Press
3. C. Colher (ed.), The future of warfare, Routledge.
4. David Killullen, Counterinsurgency, Oxford University Press.
5. J. Bandyopadhyay, The Making of India's Foreign Policy: Determinants Institutions, Processes Personalities (1970), Allied.
6. Kaushik Roy (ed), The Oxford Companion to Modern Warfare in India, Oxford University Press.
7. Kaushik Roy, Frontiers, Routledge.
8. Kaushik Roy, Armed Force of Independent India, Manolur.
9. Kaushik Roy (ed), War and Society in India, Oxford University Press.
10. M. L. Sali, Military Geography, Manas Publication, New Delhi.
11. Peter Jackson, The Delhi Sultanate: A Political and Military History, Cambridge University Press.
12. Stephen Peter Rosen, India and its Armes, Oxford University press.
13. Stephen Cohen, The Indian Army, Oxford University press.
14. S. D Muni, India and its Neighbors in International Studies, JNU, 1993.
15. Verinder Grover & Ranjan Arora, Partition of India, Indo-Pak Wars and the UNO, 1999, Deep Publication

# Vidyasagar University

## Curriculum for B. Sc (General) in Defence Studies

[Choice Based Credit System]

### Semester-II

| Course                    | Course Code | Name of the Subjects  | Course Type/<br>Nature | Teaching Scheme<br>in hour per week |   |   | Credit    | Marks      |
|---------------------------|-------------|---|------------------------|-------------------------------------|---|---|-----------|------------|
|                           |             |   |                        | L                                   | T | P |           |            |
| <b>DSC-1B</b>             |             | DSC1BT: National Security and Indian history of war<br>DSC1BP: <b>Practical</b> | Core Course            | 4                                   | 0 | 4 | 6         | 75         |
| <b>DSC-2B</b>             | TBD         | <b>DSC-2B (Other Discipline)</b>  | Core Course            |                                     |   |   | 6         | 75         |
| <b>DSC-3B</b>             | TBD         | <b>DSC-3B (Other Discipline)</b>  | Core Course            |                                     |   |   | 6         | 75         |
| <b>AECC</b><br>(Elective) |             | <b>ENVS</b>   | AECC(Elective)         |                                     |   |   | 4         | 100        |
| <b>Semester Total</b>     |             |   |                        |                                     |   |   | <b>22</b> | <b>325</b> |

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**DSC-1** = Discipline Specific Core of Subject-1, **DSC-2** = Discipline Specific Core of Subject-2,

**DSC-3** = Discipline Specific Core of Subject-3.

## **Semester-II**

### **Core Course (CC)**

**DSC-1B (CC-2): National Security and Indian History of War      Credits 06**

**DSC1BT: National Security and Indian History of War      Credits 04**

#### **Course Contents**

##### **A. National Security: concepts and issues**

###### **Unit-I: Evolution of the concept of National Security:**

Objectives and Elements of National Security. Emergence of the specialist perspective of national security. Marxist concept of national security. Non-statist national security

###### **Unit-II: Geo-Strategic aspects of Defence and security:**

Factors affecting war and security – Boundary, size and shape, topography. Location, climate population. Strategic resources. Frontiers and its characteristics. Sea coasts and ports

###### **Unit-III: Economic aspects of Defence and security**

Industrial Developments and defence. Transport and Communications. Defence Expenditure and Procurement. Science and Technology in Defence. Effects on war on economy

###### **Unit-IV: National security - Internal and External**

Problems of Internal Security and its causes. Problems of External Security – Threats from Hostile Neighbouring Countries, Cross Border Terrorism. Foreign Policy Considerations. International Obligation for Peace and Security.

##### **B. Indian History of War**

1. War: Definitions, objectives, scope, causes and effects, contributions of war.
2. Indo-Greek Art of war: Battle of Jhelum (326 B.C)
3. Indo-Turk Art of war: Battle of Tarrain I & II (1191 & 1192 A.D.)
4. Battle of Panipat-I (1526 A.D.)
5. Battle of Panipat-II (1556 A.D.)
6. Battle of Haldighat (1576 A.D.)
7. Battle of Plassy (1757 A.D.)
8. Battle of Panipat-III (1761 A.D.)
9. Battle of Chilianwala (1849 AD)
10. Battle of Assaye (1803 AD)

**DSC1BP: Practical****Credits 02**

1. Prepare sand models of Battle formations of the following battles and draw sketches of the same on plain papers:
  - a. Battle of Plassey,
  - b. Battle of Chillianwalla,
  - c. Three Battles of Panipath.
2. **News Paper Clippings:** News Paper clippings on securities related issues or related defense topics and a short essay on the basis of clippings to be produced.
3. **Field visit:** Field visit to a place of military interests. Students will submit a field report.
4. **Laboratory Note Book:** Students will be required to maintain records of all works done in connection with the topics taught in this paper.

**Suggested Readings:**

1. K. Subrahmanum, Our National Security
2. Lt. Gen. O. Kathpalia, National Security Perspective
3. Bandopadhyaya, Making of India's Foreign Policy
4. U. S. Bajpai, India's Security
5. K. Subrahmanum, Safeguarding the Republic Ed, Aruna Asaf Ali, India's Unity and Security Challenges
6. Major Shiam Dal & P. K. Mukherjee, Text Book of Military Science, Vol. I & II 3
7. Dolly Arora, Internal Security in India
8. Bhatia, H.S. Military History of British India, Deep & Deep Publication. New Delhi
9. J.N. Sarkar, Military History of India
10. Akhtar Majee, No Farewell to Arms: Strategic issues in International Relations, New Delhi: Lancer Publishers Pvt. Ltd., 1991
11. Yengeny Dologopolov, The Army and the Revolutionary Transformation of Society, Moscow: Progress Publishers
12. Halperin Morton, *Contemporary Military Strategy*, Faber & Faber; Revised edition (December, 1970)
13. Maurice Clark - *Reading in the economics of War*, University of California Libraries, 1918
14. Sexena K.M. The Military system of India, Sterling Publication, New Delhi.
15. Sali M.L., India China Border Dispute, Ashish Publication, New Delhi.
16. Major D.K. Plait, The Essentials of Military Knowledge
17. V.K.R.V. Rao, War in Indian Economy.