

Defense Studies

8

SCHEME OF EXAMINATION – DEFENCE STUDIES

LIST OF PAPERS

B.A. (General) Defence Studies

Paper	Code No.	Nomenclature	Internal Assessment	Theory Marks	Practical Marks	Total Marks	Time
Semester -I	MS-21	Introduction of Defence Studies	20	50	30	100	3 Hrs.
Semester -II	MS-22	Military Psychology	20	50	30	100	3 Hrs.
Semester -III	MS-23	National Security - I	20	50	30	100	3 Hrs.
Semester -IV	MS-24	National Security - II	20	50	30	100	3 Hrs.
Semester -V	MS-25	Science and Technology in War	20	50	30	100	3 Hrs.
Semester -VI	MS-26	Military Geography	20	50	30	100	3 Hrs.


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Programme Outcomes Of B.A. Defence Studies

Undergraduate Programme

The under graduate programme is critical given the fact that it is the first stepping stone for a young adult into higher education. Therefore, the under graduate programme is very important as it has the responsibility to transform the mind of the young adult and introduce them to a wider influence, and also ensure that his/her thought process is not retarded for the lack of desired input from authorities, peers or absence of common information loop.

Taking recourse to the discipline of Defence Studies there has been a general apathy towards the subject both at federal and state level despite certain recognizable traits attached to its significance. This is Defence Studies as a discipline has a wider connotation and even spread out to inter disciplinary subjects - be it Humanities, Languages, Science, Management, Governance and Leadership.

Academics can extend to such excellence of professional bodies – an opportunity for higher education and gaining specialization by undertaking research activities. In this context, the mandatory conditions warding off professionals to the academic programme may be dispensed with providing students a window for better synergy.

Programme Outcomes Based Approach to Curriculum Planning for Defence Studies (at Under Graduate level):

It is said that there's nothing as practical as good theory. It may also be said that there's nothing as theoretically interesting as good practice. The fundamental premise underlying the programme outcomes based approach to curriculum planning is that the bachelor's degree programme in Defence Studies shall be awarded on the basis of demonstrative achievements outcomes as:

1. Attainment of sound knowledge about the basics that the students is expected to imbibe in the subject.
2. Having a clear understanding of the key concepts related to the subject along with their applications in real life situations.
3. Development of analytical skills so as to be able to appreciate the importance of the subject and spread its awareness.
4. Inculcate a spirit of nationalism and develop good values contributing to building strong national character.

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2. Nature and Extent of Bachelor's Degree Programme in Defence Studies:

Earlier known as Military Science, Military Studies or Defence Studies is a recognized degree in Defence and Strategic Studies' by the University Grants Commission, New Delhi at Undergraduate, Postgraduate, Doctorate and Post-Doctoral level. However, the degree programme in Defence Studies is only at few places while it exists as one of the elective subject in most of the places. The approach to the study in the discipline is interdisciplinary as the subject broadly covers military history, war, national security studies, international relations, peace and conflict studies, international terrorism, defence economics, military psychology/sociology and other aspects related to military or security of the nation and as such encompasses such aspects like geopolitics and military geography, science and technology, economics of defence, conflict management and conflict resolution, etc. The framework is intended to allow flexibility and innovation in programme design and syllabi development, teaching-learning process and assessment of student learning levels.

Aims of the Bachelor's Degree in Defence Studies:

Defence Studies as a subject and degree cover all strategic aspects that can have a bearing on the learning of security issues in the defence of the country. The overall objectives of bachelor's degree programme in Defence Studies are to –

1. Formulate qualitative description combining domain knowledge with gains from choice based credit system enabling students to qualify for jobs even outside the discipline demonstrating mobility of service.
2. Instill the graduates skills, knowledge and abilities to understand national security issues analytically which to help the students to pick up adequate comprehension on matters security. Infuse each graduate with a desire to be a lifelong learner and plan to pursue professional courses related to Defence Studies to be a domain specialist.
3. Imbue an appreciation of one's civic duties and responsibilities towards society and demonstrate knowledge of contemporary or emerging threats, challenges or issues thereby contributing to strategic culture.
4. Encourage leadership qualities amongst students and raise ability to work as a team.
5. Gain an understanding of professional ethics and to apply in the field of national security rather than replicate curriculum content knowledge
6. Demonstrate the ability to apply one's disciplinary knowledge and skills to new frontiers and be a partner ensuring global competitiveness.
7. Undertake mechanism to periodically review of teaching programmes including adoption of teaching learning techniques.

Graduate Attributes in Defence Studies: It has been generally observed that students at the time of joining graduate programme or at the end of such studies remain unclear and confused in deciding their future course of study. For instance, while course in Defence Studies is always not an exclusive


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degree programme, but is served at post graduate level, students are generally oblivious of certain realities. However, having taken up the discipline in Defence Studies at under graduate level, the student must reflect a sense of maturity, good attributes, values and skills enabling him/her to decide further course of action in terms of should he/she go in for higher studies or having attained a particular skill take to the job and simultaneously pursue higher studies. Such an arrangement works abroad quite successfully and makes them more professional and responsible in their career pursuit. In addition, the attributes in a graduate of Defence Studies are expected to exhibit the following:

1. **Disciplinary knowledge and skills:** Capable of demonstrating (i) comprehensive knowledge and understanding of major concepts, theoretical principles and contemporary strategic environment in Defence & Strategic Studies and its different subfields.
2. **Skilled communicator and Critical thinker:** Ability to transmit complex information and ability to employ critical thinking relating to national security issues in a clear and concise manner in writing and oral skills.
3. **Sense of inquiry:** Capability for asking relevant/appropriate questions relating to issues and problems in the field of Defence & Strategic Studies and planning, executing and reporting the results of any issues related to national/international security
4. **Team player/Leader:** Capable of working effectively in diverse teams in both classroom, in society and real life situations.
5. **Skilled project manager:** Capable of identifying/mobilizing appropriate resources required for a project, and manage a project through to completion, while observing responsible and ethical conduct.
6. **Digitally literate:** Capable of using computers to understand strategies and tactics in conflicts.
7. **Ethical awareness/reasoning:** Capable of embracing and demonstrating the ability to demonstrate moral/ ethical values in one's work and avoiding unethical behavior such as fabrication, falsification or misrepresentation of data or committing plagiarism, and appreciate environmental and sustainability issues.
8. **Lifelong learners:** Capable of self-paced and self-directed learning aimed at personal development and for improving knowledge/skill development and current affairs.

Some examples of learning outcomes that a student of this course is required to demonstrate are indicated below :-

1. Clarity: The focus on outcomes creates a clear expectation of what needs to be accomplished by the end of the course. Students will understand what is expected of them and teachers will know what they need to teach during the course. Clarity is important over years of college and when team




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teaching is involved. Those designing and planning the curriculum are expected to work backwards once an outcome has been decided upon: they must determine what knowledge and skills will be required to reach the outcome.

2. Flexibility: With a clear sense of what needs to be accomplished, instructors will be able to structure their lessons around the student's needs. LOCF does not specify a specific method of instruction, leaving instructors free to teach their students using any method. Instructors will also be able to recognize diversity among students by using various teaching and assessment techniques during their class.

3. Comparison: LOCF is meant to be a student-centered learning model. The institutions can compare outcomes to determine what credits to award the student. A potential employer can look at records of the potential employee to determine what outcomes they have achieved. They can then determine if the potential employee has the skills necessary for the job.

4. Involvement: Student involvement in the classroom is a key part of LOCF. Students are expected to do their own learning, so that they gain a full understanding of the material. Increased student involvement allows students to feel responsible for their own learning, and they should learn more through this individual learning. Other aspects of involvement are parental and community, through developing curriculum, or making changes to it. Parents and community members are asked to give input in order to uphold the standards of education within a community and to ensure that students will be prepared for life after college.

5. Knowledge: Upon successful completion of this course, students will acquire an excellent knowledge of the biblical concepts taught in the epistle to the Colossians and will be familiar with major theological themes.

6. Skills: Upon successful completion of this course, students will be able to reflect critically on various New Testament theological themes and issues and their contemporary relevance.

7. Educational Tours: The visit to Defence institutions or defence related historical locations like forts and other archeological sites will provide the students with a first-hand experience of the topics of study and emphasize their importance and significance to the present world. Ship visits and a visit to view armaments that are open to public viewing like museums etc. will provide a closer look at weapons that were used over the years and give an idea of evolution of arms and warfare in general.

8. Field Study: Taking up a small project on a related topic that could include collection of data through surveys or interviews could enhance communication skills of the students and enable them to


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propose a study subject and produce a report based on the data collected. This will form a vital part of the skill acquisition to undertake further research.

9. Writing Assignments: Since Defence & Strategic Studies would also entail extensive writing ability, practical training in writing essays, reports and favoring or opposing an argument or thesis, students must continuously be subjected to assignment writing so that they are well versed with the nuances of writing for a variety of purposes.

10. Seminar Presentation: Conducting seminars where student choose specific topics on which they research and present to an audience forms a vital part of developing skills of communication as well as organizing thought in a logical and cohesive manner. Every course teacher can utilize this technique to evoke interest in students on a particular topic or approach the same topic from a multiplicity of approaches.

Courses Outcome in Defence Studies

SEMESTER-I

INTRODUCTION OF DEFENCE STUDIES

Courses Outcome - After undergoing this course a student will be in a position to -

1. Clearly understand the definition, meaning and distinguish basic concepts of war;
2. Various types of war and its various typologies, techniques and characteristics; and
3. Grasp the concept and theories of nuclear war in detail.

CONTENTS

- I. Defence Studies: Concept, scope and importance.
- II. Defence Studies: its relations with other disciplines- Geography, Economics, Political Science, History, Psychology and Sociology.
- III. Meaning and Concept of War, Strategy and Tactic.
- IV. Principles of War.
- V. ABC warfare (Atomic, Biological, or Chemical).
- VI. Defence Mechanism of India.
- VII. Rank and Structure of Armed Forces.

SEMESTER-II




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MILITARY PSYCHOLOGY

Courses Outcome - After undergoing this course a student will be in a position to -

1. To understand and appreciate psychological aspects of war making, military leadership and emotional issues that is faced by soldiers during war and peace.
2. Apart from this, they will also learn the importance of leadership, discipline man management, motivation and morale factors in a soldiers' life.

CONTENTS

- I. Military Psychology: Development: Functions and Problems, Significance.
 - Human Factor in Fighting Forces.
 - Individual Differences, its importance for fighting forces.
 - Vocational Fitness, Right soldier for a right job, Placement.
 - Methods of Selection, Job analysis, Interview: its merits and demerits.
- II. Fatigue: Causes and remedy.
- III. Motivation: Kinds, motivation during war.
- IV. Aptitude and Morale: Factors influencing Morale, Maintenance of Morale during War and Peace.
- V. Tools of psychological Warfare
 - Brain Washing.
 - Rumor.
 - Propaganda, Its types and techniques.
 - Indoctrination and Coercive persuasion.
- VI. Military Leadership: Traits, Types and Qualities.
- VII. Discipline and man-Management.

SEMESTER-III

NATIONAL SECURITY -I

Courses Outcome - After undergoing this course a student will be in a position to -

1. Develop core competencies in national security affairs by building his/her capacity on essentials of National Security through theory and practice.
2. Understand the national security challenges both internal and external a country faces and Understand the Contemporary security environment in the world.

CONTENTS




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- I. Concept of National Defence and Security.
- II. Essentials of National Defence: a) Geographical Factors, Location, Frontiers, Terrain, Climate b) Economic Factors Resources: Industrial and Scientific Development, Transport and Communication. c) Leadership, Ideology, Diplomacy, Internal Politics
- III. India's Defence Policy.
- IV. Nuclear Policy of India.
- V. Civil Defence.
- VI. Civil Military Relation.
- VII. Military Aid to Civil Administration.
- VIII. War Finance Taxation, Borrowing and Inflation.
- IX. Cost of War (Real Cost of War).
- X. Economic Mobilization in war.

SEMESTER-IV

NATIONAL SECURITY –II

Courses Outcome - After undergoing this course a student will be in a position to –

1. Equip the students with specific knowledge of India's threat perceptions;
2. An assessment at both internal and external level besides fair idea of problems the country faces as a nation state; and
3. The Structure, objectives, role and problems of Civil Defence Organization in India.

CONTENTS

- I. India's Maritime Strategy and Naval Security.
- II. India's Foreign Policy and India's Security.
- III. India's Security Threats: a) Internal Security Threats b) External Security Threats.
- IV. International Strategic Environment in Post-Cold War period.
- V. Terrorism and India's National Security.
- VI. National Security Council of India (NSC).
- VII. India's Relations with:
 - i. Pakistan
 - ii. China
 - iii. Bangladesh
 - iv. Sri Lanka
 - v. Nepal
 - vi. Afghanistan




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- vii. Myanmar
- viii. USA

SEMESTER-V

SCIENCE AND TECHNOLOGY IN WAR

Courses Outcome - After understanding this course a student will be in a position to -

1. Acquire knowledge on how significant the role of science and technology is to Society and to National Security.
2. The paper also provides realization in contemplating on the military-industrial complex.
3. (MIC) of a nation; beside -
4. Understanding the concepts and applications of Electronics Warfare, Space and Ballistic Missile.
5. Defence (BMD) in Warfare.

CONTENTS

- I. Science and Technology: Definition and concept.
- II. Emerging Technology and its impact on weapons.
- III. Space Technology: Concept and Application (Military uses).
- IV. Electronic warfare.
- V. IT and its impact on warfare.
- VI. DRDO - its role in weapons development.
- VII. Cyber warfare.
- VIII. Science and Technology Policy of India.
- IX. Revolution in Military Affairs (RMA)

SEMESTER- VI

MILITARY GEOGRAPHY

Courses Outcome - After understanding this course a student will be in a position to -

1. Learn the concepts and relevant attributes of geo politics and military geography for national security.
2. Concept and difference between Frontiers and Boundaries, its various types; and
3. They shall be in a position to comprehend strategic policies for a nation state and most especially India in our times.

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CONTENTS

- I. Meaning, Nature and Scope of Military Geography.
- II. Elements of Military Geography.
- III. India and its Geo-strategic significance
- IV. (a) Indian Maritime boundary. (b) Geographic division of Indian borders.
- V. Geo-strategic importance of Indian Ocean.
- VI. Global Information System (GIS).
- VII. Remote sensing and National Security.
- VIII. Disaster Management and National Security.


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