

GOUR BANGHA UNIVERSITY

DEFENCE STUDIES

Semester: I Core course: 1 Paper code: DFSG	Credit: 4+2=6* Full marks: 60+40
Minimum number of class required: 50 + 40	
*4 credit for theory +2 credit for practical or project	

Unit - I: National Security and Military geography of India (50 marks)

National security: 25 Marks

- a. Definition, objective, scope and elements
- b. Geographical factors affecting national security
- c. Economic factor affecting security
- d. Military potentialities affecting national security
- e. National policy and national morale affecting on national security

Military Geography of India: 25 marks

- 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 of the country.

Module - II: Practical 30 marks

Military Geography:

- a. Conventional sign.
- b. Map reading.
- c. Scale.

Semester: II Core course: II Paper code: DFSG	Credit: 4+2=6* Full marks: 60+40
Minimum number of class required: 50 + 40	
*4 credit for theory +2 credit for practical or project	

Module - I:

Unit I: Types of War, Tactics and Military History of India (25 marks)

- a. Definition and objectives of war and its causes and effects
- b. Different types of war: Psychological, Cold war, Chemical warfare and Biological warfare
- c. Hot warfare and Guerilla warfare, Jungle warfare, Desert warfare and mountain Warfare
- d. Naval warfare and Air warfare

Tactics of War: 25 Marks

- a. Principles of War as followed in Modern India only.
- b. Operation of War.
- c. Strategy and Tactics – Explanation and their inter-relation.

Module - II: Practical 30 Marks

Characteristics, Labeled sketch and Mechanism of the following Arms:

- a. Basic idea of Small Arms.
- b. 0.303 Rifle
- c. SLR
- d. LMG
- e. SMC

Semester: III Core course: III Paper code: DFSG	Credit: 4+2=6* Full marks: 60+40
Minimum number of class required: 50 + 40	
*4 credit for theory +2 credit for practical or project	

Module - I: Indian economic & industrial Potential and transport and communication system of India (50 marks)

Indian economic and Industrial Potential (25 marks)

- a. Definition of Resource and its importance in national security
- b. Industrialization of India and its impacts
- c. Scientific and industrial development since independence

Unit II: Defence Industries (25 marks)

- a. Defence industries development since independence
- b. Strategic minerals and logistic problems of India

Module - II: Practical 30 marks

Characteristics, Labeled sketch and Mechanism of the following Arms:

- a. 36HE Grenade
- b. 2 inch Mortar
- c. Nuclear Bomb
- d. Idea of different parts of a Compass and its uses.

Semester: IV Core course: IV Paper code: DFSG	Credit: 4+2=6* Full marks: 60+40
Minimum number of class required: 50 + 40	
*4 credit for theory +2 credit for practical or project	

Module - I: National Defence Policies and India's foreign policy (50 marks)

Unit I: National Defence Policies: (25 marks)

- a. India's Defence policy
- b. Objectives and scope

Unit II: India's Foreign Policy: (25 marks)

- a. Nature, objectives and Development
- b. India's foreign policy
- c. Impact of National Foreign policy in Defence

Module - II: Practical (30 marks)

Diagram and Battle Formation

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

Semester: III Skill Enhancement course: I Paper code: DFSG	Credit: 2 Full marks: 80
Minimum number of class required: 60	

Group A: (Total Marks: 50)

Unit I: Diagram, Characteristics and Mechanism of Naval Armament: (marks: 30)

- 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 II:

Military History of India: (20 marks)

- a. Modern war : First World War, Second World War, 1965 and 1971 Indo-Pak War, 1962 Indo –China War

Group B: (marks: 30)

Technical Drawing and Process of Night March.

Semester: III Skill Enhancement course: II Paper code: DFSG	Credit: 2 Full marks: 80
Minimum number of class required: 60	

Practical (30 marks)

Group A: Diagram, Characteristics and Mechanism of Air force Armament:

- a. Glider
- b. Helicopter.
- c. Bomber
- d. Fighter (Varies MIG versions).
- e. Missile.
- f. Fighter-Bomber.
- g. Transport Aircraft.

Military History: (20 Marks)

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

Group B:

Service Protractor and its applications. (30 Marks)

Semester: IV Skill Enhancement course: III Paper code: DFSG	Credit: 2 Full marks: 80
Minimum number of class required: 60	

Group A:

Unit I: Diagram, Characteristics and Applications of some weapons carrier of land Warfare: (30 Marks)

- a. Vijayanta Tank.
- b. Patton Tank.
- c. Chaffee.
- d. Arjun.

Unit II: (20 Marks)

Military geography of some states of India (Punjab/Gujarat/ Rajasthan/ West Bengal/ Tripura/ Mizoram/ Manipur, Nagaland)

Group B:

Unit I: (30 Marks)

- a) **Inter-visibility in perspective of Military Geography in Mountain Warfare:**
- b) **Relief and Representative Fraction**

Semester: V Discipline Specific Elective: 1A Paper code: DFSG	Credit: 3(Th)+2(Proj)+ 1(IA & Att.) = 6 Full marks: 50+30+20*= 100
Minimum number of class required: 50+30	
*20 marks are reserved for internal assessment & attendance of 10 marks each.	

Module - I: Security of India (50 marks)

- a. Concept and factors affecting security of India.
- b. Internal security problem of India.
- c. Concepts of Arm control and disarmaments.
- d. Military Pacts and Treaties.
- e. Second line of defence – BSF, CRPF, ITBP, Assam Rifle, CISF, Coast Guard.

Module - II:

Project and Presentation (30 marks)

- a. News Paper clippings on securities related issues.

Semester: IV Skill Enhancement course: IV Paper code: DFSG	Credit: 2 Full marks: 80
Minimum number of class required: 60	

Unit I:

Sketching of Strategic Maps of India: (30 marks)

- a. States and Union Territories with Capital of India.
- b. Strategic raw materials.
- c. Defence Industries and Atomic installation.
- d. India and her neighbors.
- e. Indian Army, Navy and Air force Command and Fleet HQs.

Unit II:

India's transportation and communication system (20 marks)

- a. Different types of transportation system in Indian
- b. Development of Roadways, Railways, Airways and Naval ways
- c. Types of communications: Postal, Telegraph, telephones, wireless, internet
- d. Media: Publicity and Propaganda and its impact on National security.

Semester: V Discipline Specific Elective: 1A Paper code: DFSG	Credit: 3(Th)+2(Proj)+ 1(IA & Att.) = 6 Full marks: 50+30+20*= 100
Minimum number of class required: 50+30	
*20 marks are reserved for internal assessment & attendance of 10 marks each.	

Module - I: Security of India (50 marks)

- f. Concept and factors affecting security of India.
- g. Internal security problem of India.
- h. Concepts of Arm control and disarmaments.
- i. Military Pacts and Treaties.
- j. Second line of defence – BSF, CRPF, ITBP, Assam Rifle, CISF, Coast Guard.

Module - II:

Project and Presentation (30 marks)

- b. News Paper clippings on securities related issues.

Choice for Discipline Specific Electives:

Semester: V Discipline Specific Elective: 1A	Credit: 3(Th)+2(Proj)+ 1(IA & Att.)= 6 Full marks: 50+30+20*= 100
Minimum number of class required: 50+30	
*20 marks are reserved for internal assessment & attendance of 10 marks each.	

Module - I: Organizations of Indian Armed forces (50 marks)

- a. Organization of Ministry of Defence.
- b. Organization of Army.
- c. Organisation of Naval Force.
- d. Organisation of Airforce.
- e. N.C.C. and Territorial Army.

Module - II:

Project and Presentation (30 marks)

- c. News Paper clippings on securities related issues.

Semester: VI Discipline Specific Elective: 1B Paper code: DFSG	Credit: 3(Th)+2(Proj)+ 1(IA & Att.)= 6 Full marks: 50+30+20*= 100
Minimum number of class required: 50+30	
*20 marks are reserved for internal assessment & attendance of 10 marks each.	

Module - I: Frontiers of India (50 marks)

- a. Strategic importance of Land frontier
- a. Strategic frontiers of coastal frontiers
- b. Strategic importance of Air border
- b. Strategic importance of Himalaya in the Defence of India

Module - II:

Project and Presentation (30 marks)

- a. Modern Weapons by Power Point.

Semester: VI Discipline Specific Elective: 1B Paper code: DFSG	Credit: 3(Th)+2(Proj.)+ 1(IA & Att.)= 6 Full marks: 50+30+20*= 100
Minimum number of class required: 50+30	
*20 marks are reserved for internal assessment & attendance of 10 marks each.	

Module - I: International Relation (50 marks)

- a. Nature and Scope of Inter National relations.
- b. India's relation with big Powers (USA / Russia / UK / France).
- c. India's relations with her neighbors (Nepal / Pakistan / China / Bangladesh / Sri Lanka / Bhutan).

Module - II:

Project and Presentation (30 marks)

- a. Modern Weapons by Power Point.

