

# Guru Jambheshwar University of Science & Technology, Hisar

## Scheme for Theory + Practical Based Subjects

### Guidelines for Scheme of Examination for

#### DEFENCE STUDIES

The Scheme of Examination of undergraduate (UG) Courses (**Theory-70 marks + Practical-30 marks Based Subjects**) under Faculty of Humanities & Social Sciences run by affiliated degree colleges will be under (50+20) + 30 (External + Internal + Practical) for practical based courses. Pass percentage will be .....

For the UG courses under Faculty of Humanities & Social Sciences, the guidelines regarding scheme and paper setting will be followed as:

For the end semester examinations regarding practical subjects, nine questions are to be set by the examiner. The candidates shall attempt five questions in all. First question will be compulsory of 10 marks based on the entire syllabus. It will comprise of ten short answer type questions of one mark each. Students are required to attempt any four questions out of remaining eight questions (these eight questions may be (in) up to four units depending on the subject). All remaining questions shall carry equal marks.

**Scheme:** (50+20) + 30 (External + Internal + Practical)

1<sup>st</sup> question=10 marks (10 short answer type questions of one marks each)

Rest four questions: 10 marks each i.e. 4 x 10=40

Total = (10+40+20) + 30 = 100 marks

#### **Components of Internal Assessment (Breakdown of 20 marks)**

(a) Class Test: 5 marks

(b) Assignment: 5 marks

(c) Participation in Class Discussions: 3 marks

(d) Term Paper/written test/2<sup>nd</sup> assignment: 5 marks

(e) Attendance: 2 marks\*

\*Weightage of 2 marks for **Attendance** component out of 20 marks for Internal Assessment shall be available only to those students who attend **75% and more** of classroom lectures and practical. The break-up of marks for **attendance component** for theory + practical papers shall be as under:

(a) 75% and above up to 85%: 01 mark

(b) Above 85%: 02 mark

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## DEFENCE STUDIES

### B.A 1 -Ist Semester (Theory)

#### PAPER-1: DEF 101: INTRODUCTION OF DEFENCE STUDIES

<i>Name of Paper/Nomenclature</i>	<i>Max. Marks</i>	<i>Theory</i>	<i>Practical</i>	<i>Internal Assessment</i>	<i>Time</i>
DEF 101: Introduction of Defence Studies	100	50	30	20	3 Hours

**Note:** For the end semester examinations, nine questions are to be set by the examiner. The candidates shall attempt five questions in all. First question will be compulsory of 10 marks based on the entire syllabus. It will comprise of ten short answer type questions of one mark each. Students are required to attempt any four questions out of remaining eight questions. All remaining questions shall carry equal marks i.e. 10 marks each.

#### **Contents:**

1. Defence studies: Concept, Scope, and Importance.
2. Defence Studies: Its relations with other disciplines –Geography, Economics, Political Science, History, Psychology and Sociology.
3. Meaning and Concept of War, Strategy and Tactic.
4. Principal of War.
5. ABC warfare (Atomic, Biological, or chemical)
6. Defence Mechanism of India.
7. Rank Structure of Armed Forces.

#### Books Recommended:-

1. J.F.C.Fuller," The Conduct of War: 1789-1961" : A Study of The Impact of The French, Industrial, And Revaluations On War And Its Conduct, Publisher : Da Capo Press; Reprint edition(March22,1992).
2. Carl Von Clausewitz," Principal of war" Army Publication New Delhi (1972).
3. Lallan ji Singh," Art of War in India, 1947 up to date" (Hindi).Parkash BooksDepot,Bareilly,(2003).
4. Col. Ravi Nanda, "Evolution of National Strategy. South Asia Books; 1<sup>st</sup> edition(December 1987).
- 5.K.S .Sindhu, "War and its Principal." Atlantic(1988).

## B.A. 1 -1<sup>ST</sup> SEMESTER

### Paper-II: DEF(P) 102: Map Reading (Practical)

**Max. Marks: 30**

**Time: 3 Hours**

**Practical Test: 20 Marks**

**Practical Record: 05 Marks**

**Viva-Voce: 05 Marks**

1. Map: Its definition, characteristics, classification, Management Information of Topo-sheet and its utility for Military.
2. Conventional Sign: Military & Geographical.
3. Grid System: Four Figure and Six Figure Map References.
4. Sheet Number: Million Sheets, 'Quarter-Inch Sheets', 'Half-inch Sheet', 'One-inch Sheet' and 'Index of Sheets'.
5. Scale: Definition, Three Methods of representing Scale Inter-Conversion of Statement into R.F. Constructions of Simple Scale Line, Transverse and Diagonal Scale.
6. Strategic/Defence Journalism (Newspaper/Magazines/Internet News Clippings on relevant Defence & Security Topics and a Short Essay of 5 to 10 Pages on the basis of Clippings) to be produced.
7. Methods of Finding North Direction.
8. Liquid Prismatic Compass – Functions of its various Parts and the following exercises on the Prismatic Compass.
  - a. To determine magnetic North by Compass.
  - b. Setting the MAP by Compass.
  - c. To find out the bearing of a point from other situation on the ground.
  - d. To determine own's and enemy's position on the map Resection and Inter-Section Method with the help of Compass.
9. Rank Structure of Armed Forces.

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## DEFENCE STUDIES B.A 1 - IInd Semester (Theory) PAPER 1: DEF 103: MILITARY PSYCHOLOGY

<i>Name of Paper/Nomenclature</i>	<i>Max. Marks</i>	<i>Theory</i>	<i>Practical</i>	<i>Internal Assessment</i>	<i>Time</i>
DEF 103: Military Psychology	100	50	30	20	3 Hours

**Note:** For the end semester examinations, nine questions are to be set by the examiner. The candidates shall attempt five questions in all. First question will be compulsory of 10 marks based on the entire syllabus. It will comprise of ten short answer type questions of one mark each. Students are required to attempt any four questions out of remaining eight questions. All remaining questions shall carry equal marks i.e. 10 marks each.

### Contents:

1. Military Psychology: Development; Function 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.
2. Fatigue: Causes and Remedy.
3. Motivation: Kinds, Motivation during War.
4. Aptitude and Morale: Factors influencing Morale, Maintenance of Morale during War and Peace.
5. Tools of Psychological Warfare :
  - Brain Washing
  - Rumor
  - Propaganda, Its Types and Techniques.
  - Indoctrination and Coercive Persuasion.
6. Military Leadership: Traits, Types and Qualities.
7. Discipline and Man-Management.

### Books Recommended:

1. Tiwari, N.P.Tiwari, Sainya Manovigyan (Hindi), Chandar Prakash and Company, Harpur (UP), (2006).
2. E.G. Boring, Psychology in the Armed Forces, Natraj Publishers, Dehradun.
3. Norman Copeland, Psychology and the Soldier, Kessinger Publishing, LLC (September 10, 2010).
4. Raj Narain, Military Psychology, Bhargva Book Deport, Agra (2004),
5. Dr.Parshu Ram Gupta, Sainya Manovigyan (Hindi), Parkash Book Depot, Bareli (2008).
6. Major Harnaraina, Psychology for Fighting Man”, English Book Depot, Dehradun.
7. Nidhi Maheshwari, Military Psychology (Sanay Manovigyan) Raj Publication, 2013.
8. Kailash Nath Parwki, Sainik Manovigyan (Hindi), Rajkamal Publicateion, New Delhi (1978).

## BA 1 -2<sup>ND</sup> SEMESTER

### Paper-II : DEF(P) 104: Map Reading (Practical)

**Max. Marks: 30**  
**Time: 3 Hours**

**Practical Test: 20 Marks**  
**Practical Record: 05 Marks**  
**Viva-Voce: 05 Marks**

1. Bearing and Inter – Conversion of Bearing, in detail.
2. Determination of Individual Compass Error (ICE).
3. Service Protector: Its types and Uses.
4. Short Presentation or Lecture, Topic is given by the Concerned Teacher.
5. Finding Position on the Gridded Map by Intersection Method and Resection Method.
6. Relief Feature and their representation on the map.
7. Gradient and Slope in Degrees.
8. To determine Inter-Visibility between two points; Gradient method, Sum proportion method and Section drawing method.
9. Enlargement and Reduction of Maps.