

PH.D. file  
J. Hardey

## COMPULSORY COURSE FOR Ph.D. SCHOLARS

### SUBJECT- DEFENCE STUDIES

RESEARCH CENTER: GOVERNMENT NAGARJUNA P.G. COLLEGE OF SCIENCE,  
RAIPUR

#### SYLLABUS

The duration of course will be of six months. The course will be composed of a theory and a practical, each carrying 100 marks. Theory paper is divided in to five units and duration of examination will be of 3 hours, while practical examination will be conducted in 4 hours duration. The qualifying marks will be 50% independently in theory and practical. As per UGC recommendations every scholar has to qualify the course before the commencement of research.

#### A : SYLLABUS FOR THEORY PAPER

100 Marks

##### UNIT-I (Military History)

1. Pattern of Warfare ( Ancient, Medieval & Modern )
2. Pattern of Military Systems ( Ancient, Medieval & Modern )
3. Science and Technology in war in History
4. Wars after Independence

##### UNIT-II (Strategic Studies)

1. Geostrategic Studies of J&K and NE.
2. Effects of War by Geography.
3. Strategic Location of Seas & Islands in the Indian Ocean.
4. Strategic Policies of India (Nuclear, Space, Missile, etc.)

##### UNIT-III (Security Studies)

1. Internal and External Security of India.
2. Defence Mechanism of India.
3. Relation of India with other countries.
4. Terrorism, Insurgencies special reference to Naxalism

##### UNIT-IV (War Studies)

1. Chemicals in War.
2. Biological Warfare.
3. Modern Weapon Systems.
4. Psychological warfare.

##### UNIT-V (Computer And Statistical Analysis)

1. Computers: General introduction and organization of Computers.

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एका कक्षकर्म विभाग  
ग. ग. जगतकीसर् वि. महाविद्यालय  
रायपुर (स. व.)

2. Applications of computer in research: Use of MS word, MS excel, MS power point.
3. Method of NET access for literature collection.
4. Methods of statistical analysis.

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**B: Paper II (Practical)**

**Part I : Review of Related Literature**

20 Marks

The candidate shall review minimum 5 research articles of a broad research area from journals or books of the subject. After reviewing the research articles/books the candidate shall submit a summary chronologically developing the arguments within two months from the beginning of the Course. On the basis of the review of literature the candidate shall prepare a Synopsis including.

- i. Research Topic
- ii. Importance of the problem.
- iii. Objectives
- iv. Review of Literature
- v. Gaps in Earlier Studies
- vi. Hypotheses
- vii. Methodology
- viii. Plan of the Study
- ix. Chapterisation
- x. Bibliography

**Practical :**

1. Demonstration of Method of Research paper writing in MS word.
2. Demonstration of Data tabulation and graph preparation by using MS Excel.
3. Demonstration of Media preparation.

**Part-II : Seminar**

20 Marks

The candidate shall present a seminar on the synopsis. On the basis of the suggestions made in the seminar, the candidate shall prepare a project report/dissertation. Final examination will be conducted with the help of an external examiner in the presence of the internal examiners.

**Practical :**

1. Demonstration of Preparation of Power point presentation.
2. Demonstration of oral / poster presentation.

**Part III : Project Report/Dissertation in any Topic**

60 Marks

**Practical :**

1. Demonstration of NET access method for literature collection.
2. Demonstration of Method of Reference writing.
3. Demonstration of Method of Synopsis writing.

*[Signature]*  
 विद्यासागर  
 राजा जयचामुण्ड विद्यापीठ  
 मा. वि. शास्त्रविद्यालय, पर्वतविद्यालय  
 रायपुर (छ. प्र.)


4. Questionnaire preparation for socio economic study.

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REFERENCES

1. Microsoft Word The basic and beyond by Osborne, Tata Mcgrawhill.
2. International Relation, Palmer and Parkins.
3. Defence Machenism of Modern State, Dr. L. J. Singh.
4. National Security, Dr. Harveer Sharma.
5. Psychology in Armed Forces, E. G. Boring.
6. Science and Technology in War, Dr. G. K. Pandey.
7. Indian Military History, Babu Ram Pandey.
8. Military Geography, Dr. Parshu Ram Gupta.

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