C. S. J. M. University, Kanpur

Syllabus for Pre-Ph.D. Course Work

DEFENCE AND STRATEGIC STUDIES

1. Each paper will carry 100 marks: 70 marks for theory paper and 30 for internal assessment. The internal assessment in Paper I will be based on Mid sem. Test, and Practical work/library work/written assignments/presentations/own paper presentation (published in any reputed journal bearing ISSN Number).

2. The internal assessment in Paper II will be based on Mid sem. Test, and seminar presentation and report writing consisting of about 5000 words on any subject of the student’s choice dealing with the field of research in the subject of Research.

3. 5 Marks in internal assessment in both Paper I and Paper II will be assigned to attendance where 75% to 80% only 1 mark, 80% to 85% only 3 marks and above 85% 5 marks.

4. During the entire Course at least one paper published in any reputed journal bearing ISSN Number by the student is desirable and it will be the part of internal assessment.

5. The candidate will have to obtain at least 50% marks in theory as well as internal assessment in order to qualify the course.

6. 75% attendance will be compulsory in theory/practical classes.

7. The marks distribution of internal assessment (30 marks) will be: 5 marks for attendance, 15 marks for mid sem. Test and 5 marks for two written assignments (Research-1, Computer Application-1)
Detailed Syllabus

Paper I: Research Methodology (Objectives, Hypothesis, Report writing, and Thesis writing), Quantitative methods, Computer Applications, Research ethics and reviewing of published research in the relevant field and other techniques/methods, specific for the broad subject/area:

1. Foundations of Research
   - Objectives
   - Characteristics of a good research.
   - Meaning and Scope
   - Limitations

2. Types of Research
   - Classification of Research:
     Qualitative and Quantitative research
     Basic/Pure and Applied, Evaluation & Action Research
     Non Experimental Research-Descriptive, Explanatory and Exploratory
     Comparative, Correlational, Surveys, Ex-post Facto
     Experimental research- True, Quasi, Single Subject research

3. Review of Literature
   - Need and Significance of Reviewing Literature
   - Literature Search procedure:
     Sources of Literature
     Planning of Review work

4. Planning of Research
   - Selection of Research Problem
   - Hypothesis Formation
   - Research Variables: Types and Control

5. Sampling
   - Population and Sample
   - Sampling Techniques
   - Sampling and Non-Sampling Errors

6. Tools and Methods of data collection
   - Meaning and Importance of Data
   - Sources of Data-Primary and Secondary
   - Construction of a tool for data collection.
   - Methods of Collecting Data using following tools:
     Observation Method
     Experimentation
     Interview
     Panel Method
     Mail Survey
     Sociometry
     Questionnaire Schedule
7. Data Analysis (Not Applicable for Music Subject)
   - Editing, Coding and Tabulation of Data
   - Measures of Central Tendency
   - Measures of Dispersion
   - Measures of Association /Relationship
   - Regression and Correlation Analysis
   - Test of Significance
   - Parametric Test and Non Parametric Test

8. Documentation and Mechanics of Writing:
   - Research and legal issues
   - Originality of Research
   - Integrity of the researcher
   - Ethical issues in Research
   - UGC Regulation on Plagiarism
   - Citation format for print and non-print sources
   - Paper margin, spacing, heading and titles
   - Page numbers
   - Spelling, punctuation, italics and abbreviations
   - Electronic submission
   - Power-point presentation
   - Tips for question-answer session:
     Key concerns and central focus of the thesis under consideration.
     New venues of further research opened by the thesis under consideration.
   - Research Terminology:
     Synopsis, abstract, hypothesis, annotated bibliography, review, review article, citation, peer review, referred publication, archives, call number, corporate author, database, blog, listserv, Boolean operators, full-text search, wiki, etc.
   - Preliminary section:
     Cover pages (Front, Back, Side) Dedications, Certificates, Declarations, Acknowledgements, Contents, List of abbreviations, List of Tables & Figures
   - Main Body:
     Chapterizations, Documentation Format, Tabulations and Graphical Analysis
   - Referencing Style MLA, APA and Chicago
   - Bibliography
   - Appendices

9. Use of Computer Software for Data Analysis and Reporting
   - Computer fundamentals
   - Hardware and Software (Operating & Application)
   - Software for data Analysis viz SPSS
10. Word processing
   - Introduction to word processing
   - Ms-Word
     - Creation of files
     - Arrange files in folders
     - Save document as files
     - Print
     - Formatting
     - Insert Page layout
     - Converting to PDF

11. Spreadsheet tools
   - Introduction to spreadsheet application
   - Features and functions
   - Data storing
   - Features for statistical mathematical data analysis
   - Generating chart/graphs and other features
   - Tools used may be Microsoft Excel, Open Office or Similar tool.

12. Presentation Tool
   - Introduction to presentation tool
   - Features and functions
   - Creating presentation, Customizing presentation, Showing presentation
   - Tools used may be Microsoft Power Point, Open Office or Similar tool.

13. Web Search
   - Introduction to internet
   - Use of internet and search engine like Google, Yahoo etc.
   - Using advance search techniques: JSTOR and Other online journals.
   - Submission of Paper in Archive Electronic Mail System.
   - Sodhganga, EBSCOhost

List of Assignments

Research:
To critically review a research paper/Ph.D. thesis and to identify research problems along with its need and importance of respective area of interest.

Computer application:
To prepare a word document of the Ph.D. synopsis and to make a power point presentation on it.
1. **Strategic Studies**
   a. Strategic Thoughts
      i) Clauswitz
      ii) Machiavelli
      iii) Kautilya
   b. Strategic Doctrine
      i) No First Use
      ii) Limited War
      iii) Total war
   c. Nuclear Strategy
      i) American Strategy
      ii) Russian Strategy
      iii) Indian Strategy
      iv) Pakistan Strategy
      v) China and Israel Strategy

2. **India’s National Security**
   a) Security Problems of India
      i) Insurgency in North East
      ii) Naxalist Movement.
   b) Challenges to India’s Security
      i) Poverty
      ii) Corruption
      iii) Regionalism
      iv) Communalism
      v) Unemployment.

3. **Maratha Art of War**
   a) Background in Maharashtra before Emergence of Shivaji.
   b) Strategy & Tactics of Maratha.
4. Indian Armed Forces and Wars with Neighbor
   b) War with China 1962
   c) Higher Defence Organisation of India.

5. Global Security
   a) National Security
   b) New World Order.
   c) World Peace and Security
      i) WMD (Weapons of Mass Destruction)
      ii) Missile Defence
      iii) Land Mines
      iv) Proliferation of Small Arms
      v) Migration and Refugees
   d) Environmental Security
      i) Climate Change
      ii) Pollution
      iii) Water Security
   e) Organised Crime
      i) Terrorism
      ii) Money Laundering
      iii) Cyber Crime
      iv) Human Trafficking

6. International Relations & Security
   a) Determinants of International relations.
      i) Power, National power
      ii) Balance of power, Force
      iii) Order, Global Order
   b) Diplomacy and Foreign Policy in International Relations
      i) America, Russia
      ii) India, Pakistan
      iii) China, Japan
c) India’s Relations with her Neighbors
   i) Pakistan, Nepal
   ii) China, Myanmar
   iii) Shri Lanka, Bangla Desh

7. International Organisation
   a) U.N.O.
   b) Human Rights
   c) Arms Control and Disarmament

8. Defence Economics and Production
   a) Importance of Defence budget
   b) Defence Budget of India since – 1947
   c) Defence and Development
   d) Issues of Mobilization of Resources during war & peace
   e) D.R.D.O.
   f) Defence Production Industries in India

9. Disaster Management and Security
   a) Disaster Management
      Concept, Objective, Characteristics, Types
   b) Role of Military, Civil and Media in Disaster
   c) Planning and Process of Disaster Management
   d) India’s policy for Disaster Management
      National Disaster Council, Framework of Disaster Management,
      Remedies to Disaster Management.

10. Unconventional security
    b) Food Security

References:
12. Venkteshwran AL, Defence Organisation in India, India Publication Division, Delhi, 1967.
19. Deopujari MB, Shivaji and the Maratha Art of War,
20. Sarkar Jadunath, Military History of Maratha,
21. Sen SN, Military System of the Maratha,
    2004.
24. Shastri MN, Introduction to Environment, Concept, Murnbai
28. SIPRY, Yearbook.
40. Bajaj K.anti and Maffo Amitahh (ed) Securing India: Strategic Thoughts and Practice, Manohar, Delhi, 1996.
45. Annual Report, Ministry of Defence, Govt. of India.
47. Narain Pratap (Ivlaj Ceo), Indian Arms Buzar, Shilpa Publication, Delhi, 1998.