**SHYAMA PRASAD MUKHERJI COLLEGE (FOR WOMEN)**

**Department of Geography**

**TEACHING PLAN – August 2022 to December 2022**

**COURSE AND YEAR: B.A. (Prog) II - GEOGRAPHY**

**SEMESTER: III**

**TAUGHT INDIVUDALLY OR SHARED: Mr. Prem Prakash**

**PAPER: - GENERAL CARTOGRAPHY**

**FACULTY: RACHNA DUA**

**NUMBER of CLASSES (Per Week): 4**

**Course Objectives**:

1. Create professional and aesthetically pleasing maps through thoughtful application of Cartographic conventions

2. Develop an understanding of the concepts regarding scale, map projections to suit map purposes

3. Better understand the techniques of interpretation of topographical and weather maps

**Course Content:**

* + - 1. **Cartography –**

1. Nature and scope. – 4th week of August and 1st week of Sept (5-6 classes)
2. Map Scales: Concept and application -2nd week of Sept to 4th week of September (9-10 classes)
3. Graphical Construction of plain, comparative and Diagonal scale - 1st to 3rd week of October (7-8 classes)
4. **Map Projections**

a) Classification - 4th week October (2-3 classes)

b) Properties and uses, Merits and demerits of Polar Zenithal stereographic, Bonne’s and Mercator’s projection -1st to 3rd week of November (8-9 classes)

**3. Interpretation of Weather Maps** - 4th week of November (3-4 classes)

**Revision:** 1st and 2nd week of December

**Methodology of teaching**:

* Interactive class with practical demonstration and hands on exercises.

- diagrams are drawn and numerical are done on the blackboard.

- Relevant videos/ Maps / ppts are shown.

- In tutorial class students present their work in the classroom. Feedback is mostly given simultaneously.

**Teaching Strategies:**

Practical aspects demonstrated in the class, Discussions, Problem solving, slide share, videos, use of chalk and duster and written tutorials are given. Numerical are solved in the class. Hands on exercises are done in the tutorial class.

**Assessment:**

**Criteria of Assessment**

1. Ongoing evaluation
2. Class record work / practical file
3. Class tests
4. Assignment
5. Presentation
6. Semester Examination

**Tentative Dates of Assessment:**

1. September (Assignment)
2. 2nd Week of October 2020 (Test)
3. 2ndweek of November 2020 (Test)

**References:**

**Essential**

1. Kraak, M.J. (2010). Cartography: Visualization of Geospatial Data (3rd edition).

London, UK: Pearson Education Ltd.

2. Misra, R.P. (2014). Fundamentals of Cartography (Second Revised and Enlarged

Edition). Delhi, India: Concept Publishing.

3. Monkhouse, F. J. and Wilkinson, H. R. (1973). Maps and Diagrams. London,

UK: Methuen.

4. Rhind, D. W. and Taylor D. R. F., (eds.) (1989): Cartography: Past, Present and

Future. Netherlands: Elsevier, International Cartographic Association.

5. Sarkar, A. (2015). Practical geography: A systematic approach. New Delhi,

India: Orient Black Swan Private Ltd.

6. Singh,G. (1998). Map Work and Practical Geography (4th Edition). Ahmedabad,

India: Vikas Publishing House.

**Suggestive:**

1. Sharma, J. P., (2010). PrayogicBhugol(Hindi). Meerut, India: Rastogi Publishers.

2. Singh, R.L. &Dutta, P.K., (2012). Prayogatmak Bhugol (Hindi). Allahabad,

India: Central Book Depot

3. Singh, R.L. and Singh R.P.B. (1999). Elements of Practical Geography. New

Delhi, India: Kalyani Publishers.

4. Singh, R.L., and Singh, R.P.B. (1991). Prayogtmak Bhugolke Mool Tatva

(Hindi). New Delhi, India: Kalyani Publishers.