

**SAVITRIBAI PHULE PUNE UNIVERSITY**

**Geography T.Y.B.Sc. (Credit System)**

**Revised Syllabus (From June-2021)**

**Semester VI**

**Course No: GG 368: Maps and Mapping Techniques  
(Practical Paper-2)**

**No. of Credits: 02**

**No. of hours: 30**

**Objectives:**

1. To acquaint the students with techniques of different types of map interpretation in Geography
2. To familiarize the students with geographical data representation techniques

**Each Practical batch will be comprised of 12 students**

<b>Unit No.</b>	<b>Unit</b>	<b>Sub-Unit</b>	<b>No. of Hrs.</b>
1	Toposheets and Toposheet Reading	1. Introduction to SOI toposheets Marginal information, grid reference, conventional signs and symbols, Indexing of toposheets 2. Types of toposheet i) 1:1000000/Million sheet ii) 1:250000/Degree sheet/Quarter inch sheet iii) 1:100000/Half inch sheet iv) 1:50000/One inch sheet v) 1:25000 3. Toposheet Reading At least one from the following regions- Mountainous, Plateau, Plain	08
2	Weather Maps and Weather Map Reading	1. Introduction to IMD weather maps Introduction and drawing of weather map signs and symbols 2. Weather Map Reading Reading of weather maps of three seasons : i) Summer ii) monsoon iii) winter (Satellite images indicating different weather Phenomena should be shown to the students).	07
3	Relief Representation	1. Methods of relief representation i) Qualitative methods: hachures, hill shading, layer tint ii) Quantitative methods: contours, form lines, spot height, bench mark, Triangulation station.	07

		2.Representation of following features by contours: uniform slope, concave slope, convex slope, terraced slope, conical hill, plateau, ridge, saddle, V-shaped valley, U-shaped valley, waterfall, gorge, spur, cliff	
4	Thematic and Cartographic Map Techniques	1. Preparation uses and limitations of following maps: i) Choropleth maps ii) Isoline maps iii) Climograph iv) Scatter graphs v) Proportional symbol Maps vi) Pie charts vii) Composite Bar Diagrams viii) Age-Sex Pyramids 2. Preparation of all maps given above using suitable computer techniques	08

**Note:**

1. Use of map stencils, log tables, statistical tables and calculators are allowed at the time of examination.
2. Completion of journal and certification by Practical-in-charge and Head of the Department is must.
3. Candidate without certified journal should not be allowed for the practical examination.

**Reference Books:**

1. Dent B.D., 1999. Cartography: Thematic Map Design, (Vol. 1), McGraw Hill.
2. Gupta K.K and Tyagi V.C., 1992. Working with Maps, Survey of India, DST, New Delhi.
3. Mishra R.P. and Ramesh A., 1989. Fundamentals of Cartography, Concept Publishing.
4. Singh, R.L., 2005. Elements of Practical Geography. Kalyani Publishers, New Delhi. India.
5. Ramamurthy, K., 1982. Map Interpretation, Rex Printers, Madras.
6. Singh R.L. and Singh R.P.B., 1999. Elements of Practical Geography, Kalyani Publishers.
7. Singh, G., 2005. Map work and practical geography. Vikas Publishing House Pvt. Ltd., New Delhi.
8. Siddhartha, K., 2006. Geography through maps, Kisalaya Publications Pvt. Ltd, Delhi.
9. AsisSarkar (2015): Practical Geography, A Systematic Approach, Orient Black Swan
10. Liendsor, J.M. (1997): Techniques in Human Geography, Routledge.

