

SARDAR PATEL UNIVERSITY
Programme: BA (Geography)
Semester: V
Syllabus with effect from: June 2013

Paper Code: UA05CGEO16	Total Credits: 3
Title Of Paper: Quantitive techniques in Geography (Theory)	

Unit	Description in detail	Weightage (%)
1	TYPES OF DATA: Data collection – Need – Types of data – Primary – Methods of collection - Secondary data – Published and unpublished sources – problems.	
2	Statistical Methods (Use of simple calculator is allowed): MEASURES OF CENTRAL TENDENCY. <ul style="list-style-type: none"> • Mean • Median • Mode MEASURES OF DESPERSSION <ul style="list-style-type: none"> • Mean Deviation • Standard Deviation • Quartile Deviation 	
3	SURVEYING: Meaning, Definition and purpose of Surveying, Methods of surveying Triangulation and Traversing. Various Methods of deciding North direction True, Magnetic and Grid North. Methods and instruments of Chain survey – Plain Table Survey- Prismatic Compass Survey.	
4	Map Projection: Definition and need of Map Projection Classification of map projection based on method of construction and developable surfaces used	
5	Elements of Map Reading: Introduction to Survey of India (S.I.O.) Toposheets - Indexing of Toposheets – Method of Interpretation Physical and Cultural Information and Conventional signs and symbols of S.O.I. Toposheets.	

Basic Text & Reference Books

- Hammond, R. and McCullagh, P. (1991): Quantitative Techniques in Geography, Clarendon Press, Oxford
- Ebdon, D. (1977): Statistics in Geography, Basil Blackwell.
- Gregory, S. (1978): Statistical Methods for Geographers, Longman
- Gopal Singh, (1996) Map Work and Practical Geography, Vikas Publishing House, New Delhi.
- Singh,R.L. and Dutt,P.K. (1968) Elements of Practical Geography, Students Friends, Allahabad.
- Negi,B.S. (1998) Practical Geography, Kedarnath and Ramnath, Meerut.
- Singh L.R.(2009) Fundamentals of Practical Geography, Sharda Pustak Bhavan, Allahabad.

