

**M.A./M.Sc. Geography**  
**Semester II: Theory Paper (2 credits)**

**RMT-2: Basic Statistical Methods for Research in Geography**

Unit	Teaching and Learning points	Practicals Hours
I	Basics <ul style="list-style-type: none"> <li>• Define Geographical Research</li> <li>• Concept of Statistical Methods</li> </ul>	06
II	<ul style="list-style-type: none"> <li>• Use of Statistical Methods and Techniques in Geographical Research</li> <li>• Data : Types and Sources</li> </ul>	06
III	Central Tendency: Grouped and Ungrouped Data <ul style="list-style-type: none"> <li>• Average (mean) and their Types):</li> <li>• Median</li> <li>• Mode</li> </ul>	06
IV	Dispersion <ul style="list-style-type: none"> <li>• Absolute Measurements</li> <li>• Mean Deviation</li> <li>• Quartile Deviation</li> <li>• Standard Deviation</li> </ul>	06
V	Applications of Statistical Methods in Geography	06
<b>Grand Total</b>		<b>30</b>

**Reference Books:**

1. Cole, J.P. & King, C.A.M. (1968): Quantitative Techniques in Geography. John Wiley & sons Inc. New York.
2. Elhance, D.N. (1972): Fundamentals of statistics, Kitab Mahal, Allahabad.
3. Gregory, S. (1968): Statistical methods and the geographer. Longman, London.
4. Gupta, C.B. (1978); An introduction to statistical Methods, Vikas Pub. House, New Delhi.
5. Hoel P.G.: Elementary Statistics, Wiley, New York.
6. King, L.J. (1991): statistical Analysis in geography. Prentice Hall, Englewood Cliff N.J.
7. Hemawati: Statistical Methods for Geographers.
8. Singh R. L.: Elements of Practical Geography. & Co. London

