CORE COURSE: GYP 406: Interpretation of Indian Weather and Topo maps

Course Learning Outcomes:

CO1: Understand the history and evolution of maps.
CO2: Understand the basic assumptions behind the making of maps.
CO3: To describe the physical features of any area.
CO4: Analyse topography through the interpretation of contours.
CO5: Interpret Indian daily weather maps.

Exercise No	Title of the Exercise (Total 52 Hrs.)
1	Indian Topo maps- SOI
2	Conventional Signs and Symbols
3	Interpretation of SOI Topo maps: Marginal information-
4	Physiography- Contour, Bench Mark and Spot Height.
5	Water Bodies- Natural and Man-made drainage
6	Vegetation- Natural and Human Induced Vegetation
7	Cultural features- Transportation and Settlements
8	Special features Interpretation in Topographical Maps
9	Components of Indian Daily Weather Maps
10	Sources of Weather Data IMD
11	Atmospheric Pressure Gradient
12	Isobar Trends
13	Wind Direction
14	Wind Rose
15	Other weather Phenomena.

References:

1. Monkhouse F.J. & H.R. Wilkinson (1952): Maps and Diagrams, their compilations and concentration, Methuen & Co. London.
2. Ashis Sen (1997): Systematic Practical Geography, Oriental Longman Ltd. Kolkata
3. Namowitz S.N. & Donald B. Stone (1965): Earth Science – The World We Live in 3rd Edition, D. Vam North and company Inc. New Hersy, USA, pp. 3-59
4. Mishra R.P. (1969): Fundamentals of Cartography, Prasanga University of Mysore.
5. Harwell J.D. & M.D. Newson (1973): Techniques in Physical Geography, Macmillan Edn, Ltd. London.
6. R.L. Singh (2010): Practical Geography, Sharada Pustak Bhavan, 11, University Road, Allahabad, UP - India