

DR. RINA GUPTA
Associate Professor
Department of Geography
M.B.P. Government post graduate college ashiyana lucknow
Academic calendar for M.A. I semester, Paper IVTH (2021-2022)

S.L. No.	Class/ semester	Paper	Units	Topic name	Monthly /weekly lecture	Teaching pedagogy	Learning outcome	Another details
1.	M.A. 1 st semester	FUNDAMENTALS OF CARTOGRAPHY (PRACTICAL)	I	Concept, Scope And Significance of Cartography. Growth and Development of Cartography: Impact of Technology on Cartography. Map as Tool in Geographical Studies, Choropleth, Isopleths and Chorochromatic Maps	12 Lecture	Lecture method & Class room teaching, online teaching	To make the students aware of basic tools and techniques in the field of map-making	Evolution through assignment and tests of the topics and discussion
2.		FUNDAMENTALS OF CARTOGRAPHY (PRACTICAL)	II	Cartography as a Science of Human Communication. Map-Making Process: Elements of Generalization. Thematic & Composite Mapping. Measurement of Geographical Variables: Nominal, Ordinal, Interval and Ratio. Map Symbolization.	14 Lecture	Class room teaching, online teaching	The students will be able to have a clear understanding of the place under study with respect to location, side and situation.	Evolution through assignment and tests of the topics and discussion
3.		FUNDAMENTALS OF CARTOGRAPHY (PRACTICAL)	III	Shape of the Earth: Spheroid, Ellipsoid and Geoid. Geographic Coordinates: Latitude and Longitude. Datum, Map Projections: Properties, Distance, Direction and Angle, Selection of Appropriate Map Projection and Types.	14 Lecture	Class room teaching, online teaching, Youtube videos study materials on PDF	The students will be equipped with techniques of projection and map designing, Learning different types of maps and their compilation.	Evolution through assignment and tests of the topics and discussion
4.		FUNDAMENTALS OF CARTOGRAPHY (PRACTICAL)	IV	Scope and Objectives of Map Design, Controls of Map Design and Constrains in Map Design. Map Scale: Statement, Representative Fraction and Geographical Scales, Determining and Scale. Ground Survey and Positioning: Measuring Distance and Direction, Traditional Survey Methods, Automated Survey System	14 Lecture	Class room teaching, online teaching, Youtube videos, PDF, format study materials.		Evolution through assignment and tests of the topics and discussion
5.		FUNDAMENTALS OF CARTOGRAPHY (PRACTICAL)	v	Types of Maps- Perception and Designing, Color and Pattern Creation, Typography and Lettering the Map, Map Compilation and Map Layout, Future Cartography. Mapping Organization and Services in India: S.O.I., N.A.T.M.O. and N.R.S.C.				

Final evolution through test of the paper of 15 Marks and the presentation of 5 assignment of the assignment of all 4 units of the paper of 10 marks. Uploading of the internal assessments marks obtained by the students on university postal.