

**Department of Higher Education, Govt. of M.P.**  
**Post Graduate Semester wise Syllabus**  
**as recommended by Central Board of Studies and approved by the Governor**  
**of M.P.**

उच्च शिक्षा विभाग, म.प्र. शासन  
 स्नातकोत्तर कक्षाओं के लिये सेमेस्टर अनुसार पाठ्यक्रम  
 केंद्रीय अध्ययन मण्डल द्वारा अनुशंसित तथा म.प्र. के राज्यपाल द्वारा अनुमोदित  
 Session 2019-2020

Class/कक्षा	:	M.A./M.Sc. Geography
Semester/सेमेस्टर	:	III
Subject/विषय	:	Geography
Title of Subject Group विषय समूह का शीर्षक	:	Advanced Cartography
Paper No./ प्रश्नपत्र क्रमांक	:	X
Compulsory/अनिवार्य या Optional/ वैकल्पिक अनिवार्य	:	Optional
Max. Marks अधिकतम अंक	:	100 (80-20 CCE)
Credit	:	5
Hours	:	60

**Particular/विवरण**

Unit-I	Introduction – Trends in the development of cartographic techniques for descriptive, analytical and prescriptive aspects in the use of maps.
Unit-2	Thematic Cartography-Physical : 1) Assessment of land quality by using different attributes in the evolution of land forms and measuring their association and spatial differentiation.

	2) Land based resources and cover and land use.
Unit-3	Thematic cartography – Socio-economic : Data sources and techniques of analysis of socio-economic data through the preparation of single purpose and composite maps.
Unit-4	Creation of spatial database and application using GIS, Remote sensing and Computer cartography.
Unit-5	Regional Synthesis and characterization of the observed spatial patterns for predictive purposes. Preparation of spatial models; cartography for environmental education and planning.

#### Suggested Readings -

1. शर्मा जे.पी. – प्रायोगिक भूगोल
2. Mishra R.P. and Ramesh A : Fundamentals of cartography concept, New Delhi.
3. Monkhouse F.J. Maps and Diagrams, Methuen, London.
4. Nag.P. : Thematic Cartography and Remote Sensing Concept, New Delhi.
5. Raize, I : Principals of cartography, MC-Graw Hill, New York.
6. Hord R.M. : Processing of Remotely Sensed Data. Academic, New York, 1986.
7. Rao D.P. (eds) : Remote Sensing for Earth Resources. Association for Exploration Geophysicists Hyderabad, 1998.