

Foundation course in Geography

CARTOGRAPHIC TECHNIQUES (2020-21)

Objectives:

The objectives of the Course are,

1. To encourage to the students to acquire geographical knowledge from existing field.
2. To test and improve the basic geographical knowledge of students.
3. To support in understand Geographical phenomena's surrounding to us.
4. To motivate the student for the become a Geographer in real life.
5. To introduce various basic concepts and skills of geographic knowledge.

Syllabus

Cartographic Techniques

- **Geographic Techniques** - Cartography, Cartography. ...
- Fantasy Map Making & World building Tutorials (RPG Cartography) ...
- Basics of Cartography with Qgis. ...
- **Map Making:** Learn to Communicate Places Beautifully.

The syllabus for a course on Cartographic Techniques level of the course (graduate). However, I can provide you with a general outline of topics that are typically covered in such a course:

Introduction to Cartography:

- Definition and importance of cartography
- History and evolution of cartography
- Types and functions of maps

- **Map Design and Elements:** Map scale, projection, and coordinate systems

- Cartographic symbols and map elements
- Map layout and composition
- Typography and labeling
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- **Cartographic Visualization:** Symbolization and representation of geographic data

- Choropleth maps, dot density maps, and thematic mapping
- Graduated symbols and proportional symbols maps
- Isoline maps (contour maps)
- Cartograms and flow maps

- **Map Projections:** Types of map projections (e.g., cylindrical, conic,)

- Distortion in map projections
- Choosing an appropriate projection for different purposes

- **Topographic Maps:** Topographic map interpretation

- Contour lines and relief representation
- Map reading and navigation using topographic maps

- **Practical Exercises:**

- Creating different types of maps
- Using cartographic software for map production
- Critiquing and improving existing maps

Please note that the specific content and depth of each topic can vary from one course to another. Additionally, advancements in technology may introduce new techniques and tools that could be incorporated into the syllabus. It's essential to check the syllabus provided by your institution or instructor for the most accurate and up-to-date information for your particular course.

TIME TABLE (2020-21)

Topic	Date	Time
Geographic Techniques.	01- Jan 2021	12.00 to 1.00
Cartography	09-16 Jan 2021	12.00 to 1.00
Basics of Cartography with Qgis	18-25 Jan 2021	12.00 to 1.00
Map Making	27 Jan to 03 Feb 2021	12.00 to 1.00
Total Periods; 30, Duration: 30 Days,		

Dr. A.S. MAHAJAN, Co-ordinator,
Certificate course in Geography