

GIS IMP (Unit, Unit 4, Unit-3, Unit-2)

Unit-1

- * -imp
- ① Nature of GIS, & Capabilities
- ② GIS Science and Applications, System
- ③ Real world and Representations
 - Models and Modelling
 - Maps
 - Database
 - Spatial Databases
 - Analysis
- ④ Geographic phenomenon, Geographic fields
- ⑤ Regular, Irregular tessellations, Topology and Spatial Relationship, Temporal dimensions

Unit-2

- ① GIS Architecture and functionality, SDI
- ② Stages of Spatial Data handling
- ③ DBMS and Reasons for using DBMS
- ④ GIS and Spatial Databases / Spatial Data functionality
- ⑤ Reference Surface for mapping (ellipsoid)
- ⑥ map projection
- ⑦ Co-ordinate System
- ⑧ Errors in absolute position

1 Practical Refer Ppt.

Unit-3 (Do 2nd unit)

- ① Spatial Data Input
- ② Data Quality (covered in first unit)
(A version will be asked in 3rd unit).
- ③ Accuracy and positional (RMED)
- ④ Lineage, completeness
- ⑤ Data Preparation
 - Point Data Transformation
 - How to interpolate

Unit-4 last chapter-(7) Refer PPT

- ① ^{Data} Map visualization Process, How to Map } #map.
- ② Time series
- ③ Map semantics.
- ④ Overlay functions *
- ⑤ Measurements
 - Measurements on Raster Data
 - Vector
- ⑥ Neighbourhood functions - Unknown locations from
 ↳ Principle of (NBH) functions Know locations
 - Proximity computations
 - Open GIS standards
 - Errors Propagate (with diagram)