

Syllabus for Entrance Test of M.Tech. (Geo Informatics)

1. **Geomorphology:** Geology, Surveying, Climatology, Soils, Topographical Maps, Map Projections, Map Reading.
2. **Physics:** Mechanics, gravitational force, heat and energy, nuclear physics, semi conductor, optics, electromagnetic waves, sound.
3. **Mathematics and Statistics-** Matrix, logarithms, differential and integral calculus, trigonometry, sequence and series, probability.  
Mean, mode and median, standard deviation, correlation, regression.
4. **Computer Science:** Basics of Computer Science, Basics of Digital Image Processing, Computer Languages.
5. **Environmental Science :** Plant and animal kingdom – Characteristics of various groups, morphology, anatomy and adaptations, Natural Resources, Water, Soil, Food, Energy, Forests, Minerals, Biodiversity, pollution, global environmental problems, social issues related to environment.
6. **Remote Sensing and GIS:** Principles and applications of Remote Sensing and GIS, Satellites, Space orbits, Electro-Magnetic-Spectrum (EMR), Satellite Sensors.



SEARVIBHOSH,  
Dept. of Environmental Science  
Oara Jambhodwar University  
GIRAR. 180001.