

**SCHOOL OF EARTH SCIENCES
CENTRAL UNIVERSITY OF RAJASTHAN**

Syllabus for M.Sc. Atmospheric Science (Entrance Test)

Physics: Properties of Matter, Equations of motion, Gravitation, Keplers laws, Heat and Thermodynamics, Electrodynamics, Optics, Modern Physics and Laws of Radiation.

Mathematics: Ordinary differential equation and their solution, determinants and matrices (Fundamentals), Fourier series, Laplace Transform, Conic Section, Set Theory and Complex Variables.

Statistics: Measures of central tendency, dispersion. Significance tests and linear correlation

Computer Science: Fundamentals of Computer, computer architecture, operating systems, Database Management System, Foundation of programming

Earth & Environment: Earth Interior, Distribution of oceans and continents, composition and structure of atmosphere, world climate and climate change, physical environment, Environmental Pollution and its abatement, Environmental Awareness.