Syllabus
for
Atmospheric Science (SCQP29)

Note:
  i.   *The Question Paper which will have 75 questions.*
  ii.   *All questions will be based on Subject-Specific Knowledge.*
  iii. *All questions are compulsory.*
  iv.   *The Questions will be Bilingual (English/Hindi).*

<u>Atmospheric Science (SCQP29)</u>

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.