

Syllabus for M.Sc. (Atmospheric Sciences) entrance test 2021

Section A: Total Marks 20

Numerical reasoning, Alphabetic sequences, English grammer basics, General Knowledge, Current affairs

Section B: Total Marks 80

Questions will be of multiple choice types from Physics, Mathematics and Statistics at the B.Sc. level.

Unit 1, Physics: Properties of Matter, Equations of motion, Gravitation, Keplers laws, Heat and Thermodynamics, Electrodynamics, Optics, Electricity and Magnetism, Basics of Quantum Mechanics, Modern Physics and Laws of Radiation.

Unit 2, Mathematics: Ordinary differential equation and their solution, determinants and matrices (Fundamentals), Fourier series, Laplace Transform, Conic Section, Set Theory and Complex Variables.

Unit 3, Statistics: Measures of central tendency, dispersion. Significance tests and linear correlation.

Unit wise weightage of marks: Unit 1 Physics: 60%, Unit 2 Mathematics: 30% and Unit 3 Statistics: 10%
