

SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE
DEPARTMENT OF COMPUTER SCIENCE
Entrance Examination Syllabus For 2025-2026

Section A

Ratio And Proportion, Average, Simple Interest, Compound Interest, Height and Distance, Profit and Loss, Percentage, Area and Volume, Surds, and Indices, HCF And LCM, Logarithms, Callender, Boats and Streams, Time and Distance, Time and Work, Problems on Ages, Clock, Permutation and Combinations, Probability, Problems on Numbers, Problems on Trains, Missing Element in A Sequence, Logical Reasoning.

Section B:

Algebra: exponentiation, logarithms, quadratic equations, simple 1st order simultaneous equations, progressions [AP, GP, HP] **(Level expected: up to 12th standard NCERT math)**

Permutations and combinations **(Level expected: up to 12th standard NCERT math)**

Set theory and functions **(Level expected: up to 12th standard NCERT math)**

Logic: logical reasoning and puzzles, Boolean expressions, truth tables and Venn diagrams


Trigonometry: properties of triangles, simple identities, height, and distances **(Level expected: up to 12th standard NCERT math)**

Mensuration: perimeter, area, and volumes of simple geometric figures [triangles, quadrilaterals, cubes, parallelepipeds, tetrahedrons, circles, spheres, cylinders] **(Level expected: up to 12th standard NCERT math)**

Probability and statistics: mainly simple discrete probability **(Level expected: up to 12th standard NCERT math)**

Computational thinking: evaluations of functions and expressions involving up to 3 parameters [without needing any specific programming language skills].

Arithmetic: Ratio and Proportions, problems on speed-distance, time-work, and percentage


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