RAJASTHAN PUBLIC SERVICE COMMISSION, AJMER

SYLLABUS FOR EXAMINATION FOR THE POST OF
ASSISTANT CONSERVATOR OF FOREST, FOREST DEPARTMENT

COMPULSORY

MATHEMATICS

1 Number system: Natural numbers, Whole numbers, Integers, Prime and Composite numbers, Divisibility of numbers, Prime factorization, H.C.M. and L.C.M., Real numbers and their decimal expansions, Operation on real numbers, Laws of exponents for real number, Fundamental theorem of Arithmetic.


4 Statistics: Mean, Mode, Median, Quartiles, Deciles, Percentiles, Measure of dispersion.

5 Plane Geometry: Angles and lines at a point, Angles made by a transversal with two lines, classification of triangles on the basis of sides and angles, Rectilinear figures, congruence of triangles, inequalities of triangles, similar triangles, Circles, arcs and angles subtended by them.

6 Mansuration: Perimeter and area of plane figures, Surface area and volume of Cube, Cuboids, Cone, Cylinder and Sphere. Conversion of solid from one shape to another.