

Government of Nepal
Ministry of Land Management, Cooperatives and Poverty Alleviation

Land Management Training Center

Syllabus for the Entrance Test

Junior Survey Course

(For In-service candidates only)

Marks: 100

Elementary Mathematics

50

Arithmetic

- a) Percentage. (b) Area. (c) Unitary Methods.

Algebra

- a) Solution of Equations (One unknown & two unknowns)
b) Solution of Quadratic Equations.
c) Arithmetic series.

Trigonometry

- a) Trigonometrical Ratios
b) Height and distance.
c) Properties of triangles

Co-ordinate Geometry

- a) Idea of plane and polar co-ordinates.
b) Distance from Co-ordinates

Plane and Solid Geometry (Properties of following figures)

- a) Triangle (b) Circle (c) Cube (d) Rectangle

Knowledge of Maps

35

- a) Idea of Maps and Surveying
b) Linear and Angular Measurements
c) Idea of Map Scale
d) Types of Map.
e) Idea of Earth Surface; Concept of Latitudes and Longitudes
f) Importance of control points in mapping.

General Knowledge

15

General Knowledge about Current and past events of World Geography, Surveying and Mapping.

THE END