Government of Nepal
Ministry of Agriculture, Land Management and Cooperatives
Land Management Training Centre
Syllabus for the Entrance Test
Junior Survey Course
(For Fresh Candidate)

Marks: 100

1. Elementary Mathematics  30

Percentage, area, volume, simple equations, Simultaneous equations, quadratic equations, height and distance, solution of triangles, properties of triangles, circle, probability, mean, standard deviation, variance, Law of indices.

2. Mathematics  30

Plane & polar Co-ordinates; equations of straight line, circle, ellipse, parabola, hyperbola; concept of vector, matrices & determinants
Differentiation, Limit and continuity, differentiation of functions, Maxima and minima

3. Optics and Electronics  25

Light ray, mirror, Reflection, Refraction, Lens, Prism, Spectrum, frequency, wavelength, radiation, Dispersion, Human eye, Telescope, Lens distortion, Camera, frequency modulation, Amplitude modulation.

5. General Knowledge  15

Geography of World and Nepal, Latitude & Longitude, time, Population, shape of earth, map scale and measurement, Current and past administrative division of Nepal

The End