

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