

Land Management Training Center

Syllabus for the Entrance Test

Senior Survey Course

(For departmental candidate)

Marks: 80

1. Elementary Mathematics

20

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

20

Plane & polar Co-ordinates; equations of straight line, circle, parabola, hyperbola; concept of vector; direction cosines; matrices.

Differentiation, Limit and continuity, differentiation of functions, Maxima and minima, Expansion of functions, different series expansion.

3. Optics and Electronics

10

Light ray, mirror, Lens, Prism, Spectrum, frequency, wavelength, radiation, frequency modulation, Amplitude modulation.

4. Surveying and Mapping (General Knowledge)

10

Types of maps, map reading, latitude and Longitude, height, shape of earth, Importance of maps, Surveying and mapping activities in Nepal.

5. Geography of Nepal and Current affair

10

6. Acts, Rules, Policy, Directives Regarding Land Surveying Administration and Management.

10

THE END