SRI LANKA SURVEY DEPARTMENT

Promotion Examination from Class II "A" to Class I of Sri Lanka

Technological Service Officers -2015

(For Map Technological Officers)

Cartography

2015.10.23 Time: Three (03) hours 1300 – 1600 hours

Answer all Questions.

1.

(a) What is generalization? What are the factors needed to be considered in Generalization?

(07marks)

(b) Generalization is two types. Name and Explain the differences with examples

(07 marks)

(c) Basis on dimensions map symbols can be categorized in to three types, discuss those three types with advantages and disadvantages.

(06 marks)

2.

(a) Why Colour is important in Cartography?

(04 marks)

(b) What are the differences between Digital Cartographic Model (DCM) and Digital Landscaping Model DLM

(05 Marks)

(c) Name and describe the methods visualizing relief.

(08 marks)

(d) What are the ways to increase the accuracy of a Contour Map?

(05 marks)

3. (a) What are the steps in data capturing from and image?

(04 marks)

(b) When extracting features what are the semantic data and what are the geometric data.

(04 marks)

(c) What are the problems in data capturing for mapping?

(06 marks)

(d) What are the specification that should be define in data capturing?

(06 marks)

(a) (a) Name visual interpretation keys

(05 marks)

(b) What are the steps in map updating?

(03 marks)

(c) Describe the 3 types of map updating. Comparing those 3 types which type is suitable for Sri Lanka? Justify your answer.

(10 marks)

5. Define following terms

a. Latitude

b. Longitude

c. Meridian

d. Plane co-ordinate system

e. Geographical co-ordinate system

(20 marks)