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SRI LANKA SURVEY DEPARTMENT

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

Technological Service Officers -2016

(For Map Technological Officers)

Cartography

2016.10.02 Time: Three (03) hours 0900 – 1200 hours

Answer all Questions.

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1. i).What is mapping

   ii) Describe three distinct contents in a map briefly

   iii) Briefly describe following giving examples.
   (a) Topographic maps.
   (b) Thematic maps

2. i) (a) What is scribing?

   (b) Comment on scribing over ink drawing.

   (c) What are the properties desirable in good drawing medium.

   ii) (a) How did relief represent in old maps?

   (b) Describe hill shading.

3. i) What is generalization? How does it differ from photographic reduction?

   ii) Briefly explain both conceptual and graphical generalization with an example.

   iii) Contour lines are not generalize like other features in maps. Why?

   iv) Generalization is output related why?

4. i) Describe six main visual variables giving examples for each one

   ii) What are the 4 types of geographic data ? Give an example for each one.

   iii) You are asked to mapped out population density (district wise) in Sri Lanka. What is the most suitable visual variable to use for this representation? Justify your answer

5. Write short notes on following

   i.) Advantage of digital maps over paper maps

   ii) Important of GIS to produce customer oriented maps

   iii) Point symbols

   iv) Transverse Mercator projection