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முழுப் பதிப்புரிமையுடையது]
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First Efficiency Bar Examination For Officers in Class II, Grade II of the
Sri Lanka Surveyors' Service - 2016 (2017)

(01) Departmental Survey Regulations and Standing Orders

Three hours

Answer **all** questions

1. (i) In which instances a Surveyor who is charge for Government Stores should hand over his/her Government Stores. (08 marks)
- (ii) To whom to be handed over the Government stores? (03 marks)
- (iii) If any of the officers sudden termination, how many maximum days to be allowed to hand over his/her Government Stores? (03 marks)
- (iv) If an officer deliberately refrains from handing over Stores, what may be the action of the immediate supervising officer? (03 marks)
- (v) After handing over the Stores, which certificate to be obtained by the Surveyor? (03 marks)
2. What are the **minimum** daily work norms for following job types?
 - (i) Detail Surveying
 - (a) Using Theodolite and Steel Tape (02 marks)
 - (b) Using Total Station (02 marks)
 - (ii) Detail levelling
 - (a) Using Engineer's Level (02 marks)
 - (iii) Map revision
 - (a) 1 : 50,000 (02 marks)
 - (b) 1 : 10,000 (02 marks)
 - (iv) Control Traverse
 - (a) Using Theodolite and Steel Tape (02 marks)
 - (b) Using Total Station (02 marks)
 - (v) Preparation of a plan
 - (a) Using Computer (02 marks)
 - (vi) Area Computation
 - (a) Using Computer (02 marks)
 - (vii) Preparation of Tenement List
 - (a) Using Computer (02 marks)

3. (i) What is the definition for the acronym of GNSS? (02 marks)
- (ii) State **four** general constraints to be considered when establishing a GNSS control point. (04 marks)
- (iii) Describe the specifications for following, when establishing a Tertiary GNSS point (type C). (12 marks)
- (a) Accuracy
 - (b) Mode of observation
 - (c) Minimum length of observation
 - (d) Minimum base Stations
 - (e) Adjustment
 - (f) Station spacing (between main stations)
 - (g) Station spacing (between three successive stations associated with the main station)
- (iv) 'GNSS points are very useful for a Surveyor' Explain why. (02 marks)
4. (i) What is the purpose of the Land Acquisition Act? (04 marks)
- (ii) What are the section numbers of Land Acquisition Act pertaining to Land Surveys? (02 marks)
- (iii) As per Land Acquisition Act, who issue the Gazette notification to acquire a Land? (02 marks)
- (iv) Who issue the "survey requisition" to the Senior District Superintendent of Surveys to prepare an advance tracing of the Land proposed to be acquired? (02 marks)
- (v) What are the major details to be included in an Advance tracing? (10 marks)
5. The equation for calculating permissible error for a survey is $\sqrt{Area} \times \sigma_d \times \sqrt{2}$ where σ_d is planimetric uncertainty of each detail point on the boundary of land parcel.
- (i) What are the units of *Area*, σ_d and permissible error in above equation. (04 marks)
- (ii) Define the 'fixed boundary' and 'general boundary'. (04 marks)
- (iii) State the value of σ_d for following Accuracy levels: (06 marks)
- (a) Class I Accuracy level
 - (b) Class II Accuracy level
 - (c) Class III Accuracy level
- (iv) Calculate the Permissible error in square meters to 1 Hectare land for Class I and Class II accuracy levels. (06 marks)

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First Efficiency Bar Examination for Officers in Class II, Grade II of the
Sri Lanka Surveyors' Service – 2016 (2017)

**(02) Financial Regulations, Tender Procedure
and Establishments Code**

Three hours

Answer only **three** questions including question No. 1 and any other **two** questions.

1. (i) Mention **four** facts that should be included in a detailed staff schedule.
- (ii) Name **four** units of classification in budget.
- (iii) Name **four** types of Advance accounts.
- (iv) Name **four** facts that should be get the approval of the deputy secretary to the treasury in terms of F.R. 71 related to the government staff.
- (v) Name **four** types of warrants issued to expenditure of money from the consolidated fund.
- (vi) Mention **four** stages in the process of delegation of authority on expenditure in terms of F.R. 135.
- (vii) Indicate **four** facts that should be included in the recruitment procedure.
- (viii) Name **four** steps that can be taken in an occasion of inability of paying increment for a Government officer.
- (ix) Mention **four** types of documents that **should not** be destroyed in a government office.
- (x) Name **four** types of officers come under the disciplinary control of the cabinet.
- (xi) Mention **four** facts included in a charge sheet issued for a Government officer.
- (xii) Name **four** types of appointments where acting salary is paid.
- (xiii) Name **four** objectives assured by a procurement process.
- (xiv) Mention **four** instances where the work had to be done by only using own employees and equipments.
- (xv) Name **four** facts that should be read in front of the participants, attend to the bid opening by the Bid opening committee.
- (xvi) Name **four** facts considered as in minor deviation at bid evaluation.
- (xvii) Name **four** facts considered in a bid evaluation process.
- (xviii) Name **four** facts that should be included in a certificate issued after receiving the goods from the supplies.
2. (i) Name **five** instances where Virement procedure is **not** appropriate.
- (ii) Mention **five** items come under losses/damages in terms of FR 102 (1).
- (iii) Mention **four** facts that should be considered when a payment is made by a cheque.

3. (i) Name **four** functions assigned to Public Service Commission in relation to Public officers.
(ii) Name **five** types of appointments that can be made by the officers who have delegated authority by the Public Service Commission.
(iii) Name **five** types of documents included in a personal file of a newly appointed public officer.
4. (i) Mention **five** facts come under procurement ethics.
(ii) Mention **five** facts responsible by the procurement entity.
(iii) Mention **four** facts responsible by the Technical Evaluation Committee (TEC).
5. Write short notes on any **four** facts.
 - (i) Responsibilities of procurement committees
 - (ii) The composition of Technical Evaluation Committees
 - (iii) Consolidated Fund
 - (iv) Committee on Public Accounts (COPA)
 - (v) Conditions in an appointment letter
 - (vi) Probationary Period

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