

UNIVERSITY OF COLOMBO – SRI LANKA

FACULTY OF ARTS

SPECIAL DEGREE EXAMINATION IN ARTS (GEOGRAPHY) – PART III

SECOND SEMESTER FINAL EXAMINATION (2018/19)

GYG 4289 – AIR PHOTO INTERPRETATION (PART II)

Time: Three (03) Hours

Answer any **two (02)** questions only, selecting one from each part.
Aerial photographs, kodatrace papers and mirror stereoscope will be provided.

Part I

01. Three aerial photographs of Sri Lanka are provided.

Photograph Nos.: 96, 97 and 98

Scale : 1: 20,000

Year : 1982

Answer the following question using photograph number 97.

Mark the following on a kodatrace paper using appropriate symbols and colours.

- i. Rawana trail and Aranga lake
- ii. Pattipola-Ohiya Road and Horton Plains Diyagama Road
- iii. Thotupola Trigonometric Station and Thotupola escarpment
- iv. Belihul Oya and Agra Oya
- v. Two areas covered with strobilanthus bushes
- vi. Wet patana grasslands with low trees
- vii. Two areas covered with pennisitum grass
- viii. Montane forest with 80% tree cover
- ix. Montane forest with 10% tree cover
- x. Two areas covered with dwarf bamboo.

(20 Marks)

02. Three aerial photographs of Sri Lanka are provided.

Photograph Nos. : 55, 56 and 57

Scale : 1: 20,000

Year : 1982

Answer the following question using photograph number 56.

Mark the following on a kodatrace paper using appropriate symbols and colours.

- i. Koskulana River and Koskulana fracture zone
- ii. Two highlands with tea cultivation
- iii. Old Pinus plantation and New Pinus plantation
- iv. Two fernlands
- v. Two areas with paddy cultivation
- vi. Two forest areas with four strata
- vii. Two forest areas with one stratum
- viii. Two areas that have been selectively logged.
- ix. A jungle with tall trees
- x. A cluster settlement

(20 Marks)

Part II

03. i. What are the major components of land use and land cover legend introduced by the International Geographical Union in 1952? **(08 Marks)**
- ii. Briefly explain how the International Environmental Conventions led to amendments of the major components in question 03 (i) over the past forty years. **(12 Marks)**
04. i. Explain the major and sub components of the “land cover classification” introduced by the International Training Centre, Netherlands in 1988. **(08 Marks)**
- ii. Explain with examples the issues that may be encountered when classifying the types of vegetation in Sri Lanka using the major and sub components in question 04 (i).

(12 Marks)