



## Part Two

- (2) i. What are the latitudes and the longitudes of the provided Nilgala topographic (entire) map? (02 marks)
- ii. Draw a map in the scale of **1:126,720** to show the road network and settlements located in the South-Western quadrant of the one-inch topographic map of Nilgala (1:63,360) provided. (18 marks)
- iii. Using an appropriate quantitative technique, provide a road analysis for the drawn map above and interpret the results. (05 marks)

- (3) i. What are the latitudes and the longitudes of the provided Nilgala topographic (entire) map? (02 marks)
- ii. Using the Nilgala topographic (entire) map (1:63,360), explain how the physical features of the area have influenced on the distribution pattern of the human activities with suitable sketch maps. (18 marks)
- iii. Calculate the total length of the main roads in miles and kilometers located in the South-Western quadrant of the Nilgala topographic Map. (05 marks)

## Part Three

- (4) i. Using standard symbols and colours draw an overlay for the aerial photograph provided to show the paddy cultivation. (15 marks)
- ii. Describe the distribution pattern of paddy cultivation using the drawn overlay. (10 marks)
- (5) Explain the contribution of Remote Sensing (RS) and Global Positioning System (GPS) technology to the development of the modern cartography. (25 marks)

### Part Four

- (6) Using the data given in the **Table 01** and Indo-Sri Lanka weather station outline map provided;
- i. Mark the synoptic weather characteristics prevailing over each meteorological station with appropriate colours and symbols. (10 marks)
  - ii. Draw isobars at **4mb** intervals. (10 marks)
  - iii. Briefly explain the prevailing weather condition in the region. (05 marks)
- (7) Using the data given in the **Table 2** and the district outline map of Sri Lanka;
- i. Construct a suitable statistical map to show the district-wise average students per a government school. (20 marks)
  - ii. Comment on the results. (05 marks)

INDO-SRI LANKA OUTLINE MAP

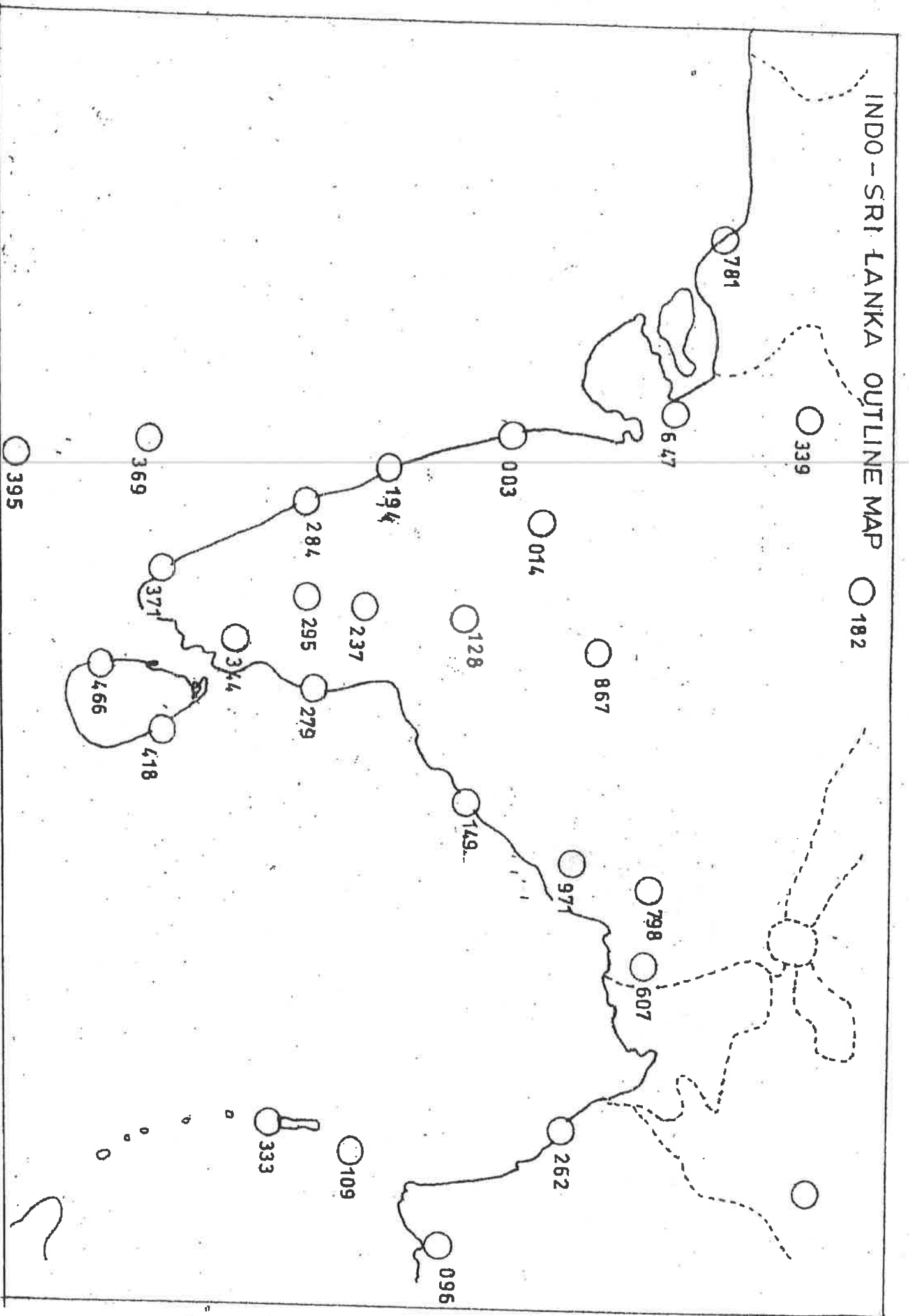


Table 02 වගු අංක 02 அட்டவணை 02

Government Schools By District in Sri Lanka -2020

ශ්‍රී ලංකාවේ දිස්ත්‍රික්ක අනුව රජයේ පාසල් -2020

இலங்கையின் மாவட்ட ரீதியான அரசு பாடசாலைகள் -2020

District දිස්ත්‍රික්ක மாவட்டம்	Number of Schools පාසල් සංඛ්‍යාව பாடசாலை எண்ணிக்கை	Number of Students සිසුන් සංඛ්‍යාව மாணவர் எண்ணிக்கை
Colombo කොළඹ කොමුරුමු	399	358,427
Gampaha ගම්පහ කම්පහුරා	536	346,669
Kalutara කළුතර කලුத்துறை	420	222,781
Kandy කුඹුරු කණ්ඩ	651	274,937
Matale මාතලේ මාத்தளை	317	102,983
Nuwara-Eliya නුවර-එළිය නුවරෙලියා	550	160,053
Galle ගාල්ල කාලි	429	216,139
Matara මාතර මාத்தறை	358	163,111
Hambantota හම්බන්තොට අම්පාந்தොட்டை	320	138,147
Jaffna යාපනය யாழ்ப்பாணம்	448	103,412
Mannar මන්නාරම මன்னාර්	133	26,358
Vavuniya වවුනියාව වவுනියා	173	36,043
Mullaitivu මුලතිව් முல்லைத்தீவு	127	27,220
Kilinochchi කිලිනොච්චිය කිளிநொச்சி	104	30,300
Batticaloa මඩකලපුව மட்டக்களப்பு	362	123,448
Ampara අම්පාර அம்பாறை	440	159,760
Trincomalee ත්‍රිකුණාමලය திருகோணமலை	313	95,593
Kurunegala කුරුණෑගල குருநாகல்	873	337,873
Puttalam පුත්තලම புத்தளம்	372	165,280
Anuradhapura අනුරාධපුරය அநுராதபுரம்	562	206,063
Polonnaruwa පොළොන්නරුව பொலன்னறுவை	253	91,668
Badulla බදුල්ල பதுளை	605	179,344
Monaragala මොණරාගලமொனராகலை	291	108,479
Ratnapura රත්නපුර ,ரத்தினபுரி	598	224,134
Kegalle කෑගල්ල கேகாலை	521	165,423
<b>Total එකතුව மொத்தம்</b>	<b>10,155</b>	<b>4,063,685</b>

Source: Ministry of Education, Sri Lanka 2020

Table 1 ඉගු අංක 1 ඇට්ලසය 1

SYNOPTIC WEATHER IN INDO-SRI LANKA REGION

ඉන්දු - ශ්‍රී ලංකා ප්‍රදේශයේ සංක්‍රමිත කාලගුණික දත්ත  
 இந்திய-இலங்கை பிரதேச வானிலைச் சூடுக்க விபரம்

Station No. මධ්‍යස්ථාන අංකය නිවැසියා	Temperature- TT (C°) පැයෙහි පැයෙහි	Pressure ppp (mb) පීඩනය අගුණය	Cloud Amount N (0-8) Oktas පැයෙහි පැයෙහි ප්‍රමාණය	Cloud Types- පැයෙහි වර්ග ප්‍රමාණය			Wind Direction දිශාව අගුණ	Wind Velocity ft -Knots පැයෙහි අගුණ	Weather කාලගුණය වර්තමාන	
				Low (cl)	Medium (cm)	High (Ch)			Present වර්තමාන ප්‍රමාණය	Past අතීත සැලකීම කාලය
003	27	1025	3	cb	AS	ci	NW	10	D	D
014	30	1022	4	cb	AS	ci	WNW	15	-	R
109	30	1022	3	cu	AS	ci	NE	15	R	D
128	29	1012	6	cb	AS	ci	SSW	25	HR	R
149	23	1000	8	cu	AS	ci	SW	65	R&T	R
182	33	1028	1	cb	-	-	NE	10	-	-
194	30	1016	4	cb	AS	-	WSW	35	D	-
237	27	1012	8	cb	-	-	SSW	25	R&T	T
262	33	1028	2	cu	AS	ci	NE	20	-	-
279	26	1004	8	cb	AS	ci	SSW	55	CR & F	R&T
284	28	1013	6	cb	-	ci	WSW	30	F	D
295	27	1016	7	cb	-	ci	SSW	45	CR & T	R&T
333	30	1020	3	cb	AS	ci	SSE	20	-	-
339	32	1026	1	cb	AS	-	NW	10	-	-
344	27	1011	6	cb	-	ci	SW	45	CR	R
369	30	1016	6	cb	AS	-	SW	25	-	D
371	28	1016	6	cb	-	-	NE	25	R	R
395	30	1020	2	cu	-	ci	WSW	30	-	-
418	28	1016	5	cu	AS	-	SW	25	R	D
466	30	1019	4	cu	AS	-	SW	20	-	D
607	31	1020	2	cb	AS	ci	NE	15	-	-
647	32	1026	3	cu	-	-	NW	05	-	-
781	34	1030	1	cb	-	-	NW	05	-	-
867	28	1016	4	cb	AS	ci	NNW	25	D	D
971	26	1010	6	cu	AS	ci	SW	30	R&T	R&T

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D - සෘජු පැයෙහි - Drizzle- සුරිසි  
 R - පැයෙහි - Rain- මහලු  
 T - මධ්‍යස්ථාන - Thunder- මුහු  
 CR - අභ්‍යන්තර පැයෙහි - Continuous rain - අභ්‍යන්තර මහලු  
 HR - තද පැයෙහි - Heavy rain - සුළු මහලු  
 F- Fog - ඉමිසය - ගුඹි යුච්ච