

ශ්‍රී ලංකා විභාග දෙපාර්තමේන්තුව ශ්‍රී ලංකා විභාග දෙපාර්තමේන්තුව ශ්‍රී ලංකා විභාග දෙපාර්තමේන්තුව ශ්‍රී ලංකා විභාග දෙපාර්තමේන්තුව ශ්‍රී ලංකා විභාග දෙපාර්තමේන්තුව
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 Department of Examinations, Sri Lanka Department of Examinations, Sri Lanka Department of Examinations, Sri Lanka Department of Examinations, Sri Lanka Department of Examinations, Sri Lanka
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අධ්‍යයන පොදු සහතික පත්‍ර (උසස් පෙළ) විභාගය, 2025
 கல்விப் பொதுத் தராதரப் பத்திர (உயர் தர)ப் பரீட்சை, 2025
 General Certificate of Education (Adv. Level) Examination, 2025

භූගෝල විද්‍යාව
 புவியியல்
 Geography

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 மூன்று மணித்தியாலம்
 Three hours

අමතර කියවීමේ කාලය - මිනිත්තු 10 යි
 மேலதிக வாசிப்பு நேரம் - 10 நிமிடங்கள்
 Additional Reading Time - 10 minutes

Use additional reading time to go through the question paper, select the questions you will answer and decide which of them you will prioritise.

Index No. :

Instructions:

- * This question paper consists of **three** parts. **Part I** consists of **40** multiple choice questions and answers should be provided **in the paper itself**.
- * In **Part I** each correct answer receives **one** mark.
- * In **Part II** **both** questions should be answered.
- * **Part III** consists of **four** questions and answers should be provided only for **two** selected questions.
- * Answer script of **Part I, II and III** should be attached together and handed over.

For Examiner's use only.

	Question No.	Marks
Part I	1 - 40	
Part II	1	
	2	
Part III	3	
	4	
	5	
	6	
Total		

	Code Number	Signature
1 st Examiner		
2 nd Examiner		
Additional Chief Examiner		
EMF		
Chief Examiner		

Part I

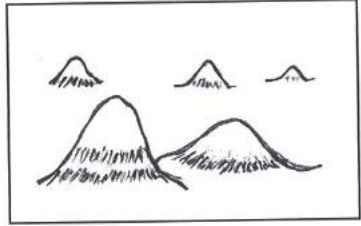
- Select the option that contains the correct answer for each question and write its **number on the dotted line**.

- The three sources of secondary data are
 - (1) measurements, newspapers and reports.
 - (2) library, internet and measurements.
 - (3) books, observations and maps.
 - (4) library, internet and maps.
 - (5) internet, interviews and reports.

(.....)
- The spot height on a 1:50 000 topographic map indicates a
 - (1) base point used for land surveying.
 - (2) specific point marked with elevation.
 - (3) fixed survey point.
 - (4) higher elevation point.
 - (5) lower elevation point.

(.....)

3. A data layer of Geographic Information System (GIS) refers to
 - (1) a backup data file.
 - (2) a tool used to draw shapes.
 - (3) a set of data related to a geographical feature.
 - (4) a technical method of data presentation.
 - (5) an output of the final map. (.....)
4. What are the two output devices of the Geographic Information System (GIS)?
 - (1) Scanner and Printer
 - (2) Monitor and Printer
 - (3) Keyboard and Monitor
 - (4) Digitizing Tablet and Scanner
 - (5) Mouse and Keyboard (.....)
5. What is the option that includes two measures of dispersion used in data analysis?
 - (1) Standard deviation and mode
 - (2) Range and interquartile range
 - (3) Median and mode
 - (4) Range and mean
 - (5) Mean and variance (.....)
6. What is the option which indicates types of vehicles used only in airborne platforms for capturing Remote Sensing data?
 - (1) helicopter, balloon and satellite
 - (2) rocket, spacecraft and helicopter
 - (3) satellite, rocket and airplane
 - (4) airplane, helicopter and balloon
 - (5) balloon, helicopter and crane (.....)
7. A data array is a set of data
 - (1) arranged in ascending or descending order.
 - (2) organized in rows or columns.
 - (3) arranged for a graphical presentation.
 - (4) divided into groups or categories.
 - (5) arranged without any order. (.....)
8. The most suitable data to be depicted by a flow map is
 - (1) rainfall distribution.
 - (2) migration of people.
 - (3) population of cities.
 - (4) population growth.
 - (5) paddy production. (.....)
9. Which one of the following is an example for qualitative data?
 - (1) Number of road accidents in a district
 - (2) Daily temperature of a particular city
 - (3) Opinions on climate change impact
 - (4) Marks obtained by the students for Geography
 - (5) Total population in the city of Colombo (.....)
10. The three features shown on a 1:50 000 topographic map with symbols of dashed lines in red, brown and black colours respectively are
 - (1) Urban Council boundary, supplementary contour line and footpath.
 - (2) cart track, Grama Niladhari Division boundary and footpath.
 - (3) footpath, Municipal Council boundary and supplementary contour line.
 - (4) Grama Niladhari Division boundary, Municipal Council boundary and jeep track.
 - (5) supplementary contour line, cart track and local authority boundary. (.....)
11. What is the option that indicates the four main layers of the atmosphere starting from the Earth surface in order?
 - (1) Thermosphere, Mesosphere, Stratosphere and Troposphere
 - (2) Stratosphere, Troposphere, Mesosphere and Thermosphere
 - (3) Mesosphere, Thermosphere, Stratosphere and Troposphere
 - (4) Troposphere, Stratosphere, Mesosphere and Thermosphere
 - (5) Troposphere, Mesosphere, Thermosphere and Stratosphere (.....)

12. What is the option which indicates the three Discontinuities from Crust to Core of the Earth, respectively?
 (1) Mohorovicic, Conrad and Gutenberg
 (2) Conrad, Mohorovicic and Gutenberg
 (3) Conrad, Gutenberg and Mohorovicic
 (4) Gutenberg, Conrad and Mohorovicic
 (5) Mohorovicic, Gutenberg and Conrad (.....)
13. The majority of the epicenters of the earthquakes occurred in the world is located in
 (1) Antarctica region. (2) Himalayan region. (3) Pacific Ocean.
 (4) African Rift Valley. (5) Mid-Atlantic Ocean. (.....)
14. What is the landform formed by wind action as depicted in the adjacent diagram?
 (1) Yardang (2) Inselberg
 (3) Zeugen (4) Butte (.....)
 (5) Mesa
- 
15. What is 'Wadi'?
 (1) A riverbed that is dry except during the rainy season.
 (2) A landform created by glacier action.
 (3) A permanent river found in arid regions.
 (4) An underground aquifer in desert areas.
 (5) A mountain gap commonly found in desert areas. (.....)
16. The amount of water vapor contained in a unit of air in the atmosphere is called
 (1) Absolute Humidity. (2) Relative Humidity.
 (3) Specific Humidity. (4) Normal Humidity.
 (5) Low Humidity. (.....)
17. According to Koppen's Climate Classification, what are the symbolized letters used for Tropical Wet Climate, Tropical Monsoon Climate and Tropical Wet and Dry Climate, respectively?
 (1) Aw, Am, Af (2) Af, Aw, Am (3) Af, Am, Aw
 (4) Am, Af, Aw (5) Aw, Af, Am (.....)
18. The date named as the World Environment Day by the United Nations Environmental Program (UNEP) every year is
 (1) March 21. (2) April 22. (3) June 5.
 (4) October 16. (5) December 1. (.....)
19. Which of the following contains the largest percentage of the Earth's freshwater?
 (1) Rivers (2) Lakes
 (3) Glaciers and ice caps (4) Groundwater (.....)
 (5) Atmosphere
20. What is the type of biome which has a uniform temperature throughout the year, between 20°C - 25°C, but sometimes, rises up between 43°C - 49°C?
 (1) Tropical Rainforest (2) Taiga Forest (3) Tundra
 (4) Deserts (5) Temperate Forest (.....)
21. Which option shows a natural hazard and a disaster, respectively?
 (1) Volcanic eruption and Earthquake (2) Climate change and Volcanic eruption
 (3) Drought and Crop damages (4) Floods and Sea level rise (.....)
 (5) Landslide and Floods
22. What is 'Bagio'?
 (1) A cyclone in the South Philippines (2) A cyclone in the Indian Ocean
 (3) A wind pattern in the Pacific region (4) A rural festival in Thailand (.....)
 (5) A volcano in Indonesia

23. Which one of the following factors directly influenced for the low production of salt in Sri Lanka recently?
 (1) Low humidity (2) Change in wind pattern (3) Heavy rainfall
 (4) Increased air pollution (5) Long term drought (.....)
24. What is the country that has been allocated the subject area of 'Environmental Systems and Community Forest' by the South Asia Co-operative Environment Programme (SACEP)?
 (1) India (2) Bangladesh (3) Bhutan (4) Sri Lanka (5) Pakistan (.....)
25. The Central Environmental Authority (CEA) of Sri Lanka is
 (1) an organization that enforces regulations regarding the protected natural habitats.
 (2) a non-governmental organization promoting sustainable development.
 (3) a non-governmental institution conducting Environmental Impact Assessment (EIA).
 (4) a regulatory body of the government which enforces environmental laws and policies.
 (5) an authority of the Ministry of Environment responsible for coastal conservation. (.....)
26. What is the correct option that shows three human landscapes?
 (1) infrastructure, urbanization and industrialization
 (2) infrastructure, urbanization and flood plain
 (3) agriculture, river basin and transportation
 (4) urbanization, settlements and mountain systems
 (5) transportation, industrialization and drainage system (.....)
27. What is the option which indicates the three districts in Sri Lanka respectively having the highest population except Colombo as reported in 2012 Census?
 (1) Kurunegala, Galle and Matara (2) Kandy, Gampaha and Kalutara
 (3) Kandy, Kurunegala and Galle (4) Gampaha, Kalutara and Ratnapura
 (5) Gampaha, Kurunegala and Kandy (.....)
28. What is the option that includes two factors responsible for the decline in crude birth rate during the last three decades in Sri Lanka?
 (1) Increased births and increased usage of contraceptive methods
 (2) Delayed marriage and increased in-migration
 (3) Increased out-migration and growth of health services
 (4) Increased usage of contraceptive methods and more women seeking higher education
 (5) Increased marriages and increased usage of contraceptive methods (.....)
29. Three primary economic activities which people in rural settlements in the World engaged are
 (1) animal husbandry, sedentary cultivation and trading.
 (2) trading, fisheries and shifting cultivation.
 (3) fisheries, animal husbandry and farming.
 (4) animal husbandry, textile production and forestry.
 (5) forestry, shifting cultivation and textile production. (.....)
30. Rurban settlements in Sri Lanka are mostly formed around
 (1) Wet zone urban settlements. (2) Dry zone tank settlements.
 (3) Dry zone urban settlements. (4) Mahaweli settlements.
 (5) Major urban settlements. (.....)
31. A significant characteristic of the world urbanization is
 (1) migration of people from urban areas to urban areas.
 (2) migration of people from urban areas to rural areas.
 (3) migration of people from rural areas to urban areas.
 (4) living of fewer people in cities than ever before.
 (5) growth of population only by natural increase. (.....)
32. What is the option which indicates a direct environmental issue of urbanization in the world?
 (1) Urban congestion (2) Solid waste disposal (3) Urban poverty
 (4) Urban crimes (5) Social segregation (.....)

33. The criterion used to identify an urban center in Sri Lanka is
 (1) administrative boundaries. (2) population size.
 (3) population density. (4) number of urban functions.
 (5) non-agricultural sector labour ratio. (.....)
34. Which option shows a salient feature of urbanization process in Sri Lanka?
 (1) Urban expansion only in the Western province
 (2) Re-classification of some rural areas as urban areas
 (3) Disruption to the urban centers due to climate change
 (4) Urbanization is higher compared to global level
 (5) Highest concentration of urban population is in up-country (.....)
35. What is the option that indicates a common characteristic of agriculture in developing countries?
 (1) Total dependence on organic farming
 (2) Strong competition and specialization
 (3) Well organized international trade
 (4) Heavily depends on mechanization
 (5) Small-scale subsistence farming (.....)
36. What is the option that indicates a salient feature of world petroleum trade?
 (1) Transported only by the sea
 (2) A globally marketed commodity
 (3) Produce only by Middle-East countries
 (4) Marketing receives less attention at present
 (5) Prices are largely stable at the global level (.....)
37. A major environmental problem associated with the sand mining in Sri Lanka is
 (1) changing chemical composition of soil.
 (2) increasing ground water level.
 (3) widespread land degradation.
 (4) direct impact on climate change.
 (5) extensive air pollution. (.....)
38. The main factor which contributed to locate the garment industries in Western Province of Sri Lanka is
 (1) fewer social problems. (2) skilled labour availability.
 (3) low cost of living. (4) cheap raw materials.
 (5) better infrastructure facilities. (.....)
39. Two major fields identified by the International Monetary Fund (IMF) through which the globalization process takes place are
 (1) trade transactions and dissemination of knowledge.
 (2) infrastructure facilities and capital investments.
 (3) migration and transport services.
 (4) dissemination of knowledge and infrastructure facilities
 (5) trade transactions and transport services. (.....)
40. Which one of the following options shows an unfavourable economic impact of globalization in the developing countries?
 (1) Increased trade and investment
 (2) Decline in local industries and investments
 (3) Competition leading to high efficiency
 (4) Accessibility to international financial markets
 (5) Fast economic growth and development (.....)

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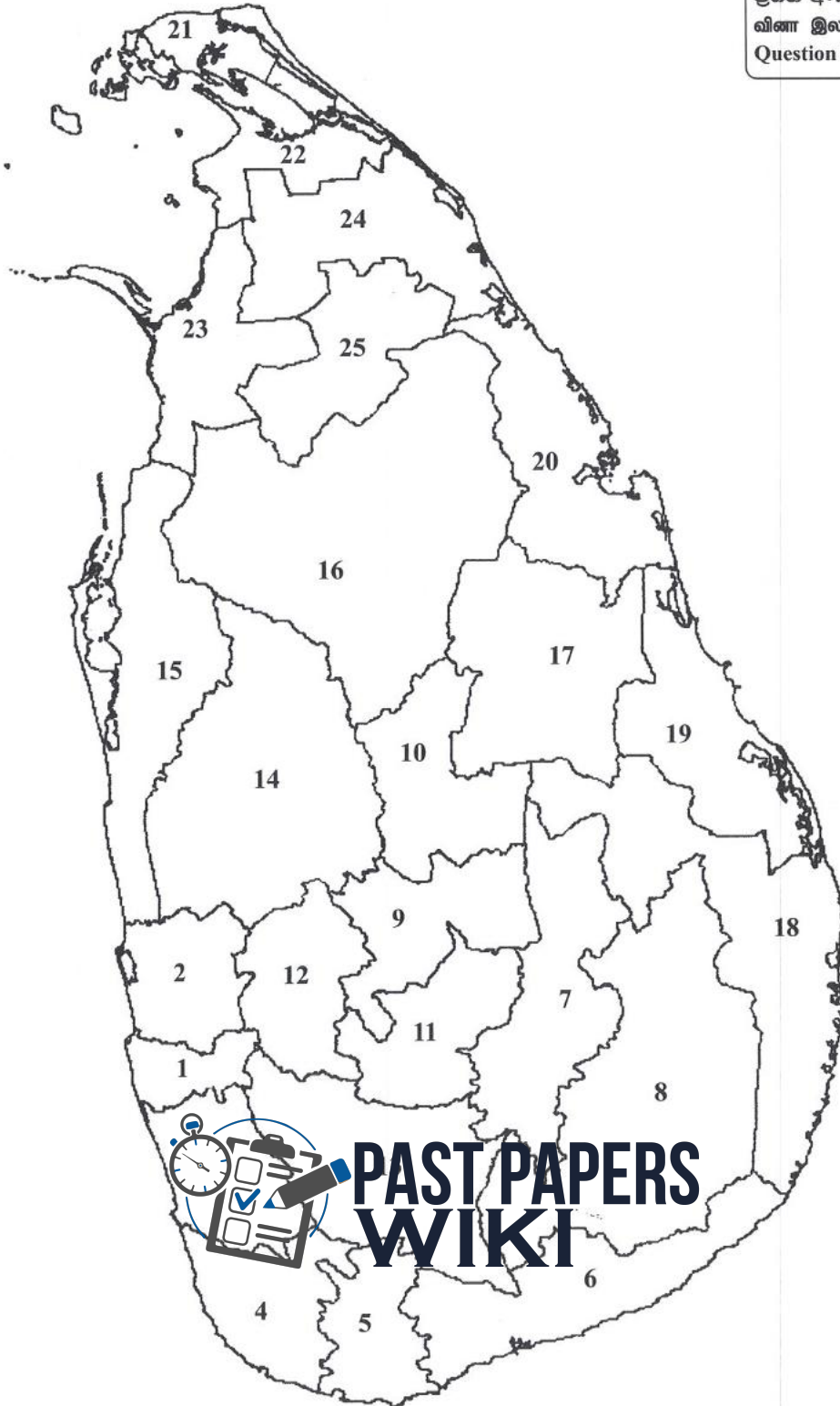
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 வினா இல.
 Question No.

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Department of Examinations, Sri Lanka Department of Examinations, Sri Lanka Department of Examinations, Sri Lanka Department of Examinations, Sri Lanka Department of Examinations, Sri Lanka

අධ්‍යයන පොදු සහතික පත්‍ර (උසස් පෙළ) විභාගය, 2025
கல்விப் பொதுத் தராதரப் பத்திர (உயர் தர)ப் பரீட்சை, 2025
General Certificate of Education (Adv. Level) Examination, 2025

භූගෝල විද්‍යාව

I

புவியியல்

I

Geography

I

22 E I

Instructions:

- * In part II both questions should be answered.
- * Part III consists of four questions and answers should be provided only for two selected questions.
- * To answer this question paper, a part of 1:50 000 topographic map, an outline map of the world, a district map of Sri Lanka and two graph papers will be provided.

Part II

1. You are provided with a part of the 1:50 000 topographic map of Monaragala, published by the Survey Department of Sri Lanka. The contour lines are shown at 100 feet interval. Answer the following questions based on the map.

N.B.

- * You should clearly state the relevant **question number** and **numbers of its subsections** in the answer script.
- * **Answers should not be written on the topographic map.**
- * Do **not** attach the provided topographic map to your answer script.

- (i) Name the landform at the location marked by (A) in the map area. (01 mark)
- (ii) Calculate the length of the main road (A4) in km, extended between Southwest boundary and Northern boundary of the map area. (02 marks)
- (iii) Name the **three** landforms indicated by the lines (B) - (C), (D) - (E) and (F) - (G). (03 marks)
- (iv) State **two** types of settlements found in the map area. (02 marks)
- (v) Name **four** government institutions found in the quadrilateral (H). (02 marks)
- (vi) Draw a cross-section along the line marked (J) - (K) in the map area and describe its elevation pattern. (Use a graph paper provided) (04 marks)
- (vii) Name any **three** types of land use found in the quadrilateral (L) and describe their distribution pattern briefly. (06 marks)

(Total = 20 marks)

2. **Mark and name** the following in the world map provided using standard colours and symbols.

- Alaska
- Benguela current
- Fujiyama volcano
- North Sea
- Gulf of Carpentaria
- Patagonia desert
- Atlas mountains
- Indus river
- The city where the United Nations Climate Change Conference (UNCCC) was held in 2024.
- The happiest country in the world according to the World Happiness Report in 2024.

(10 marks)

[see page seven]

Part III

3. (i) What is meant by a 'questionnaire'? (02 marks)
- (ii) Describe briefly **three** features considered as useful in the preparation of a good questionnaire. (03 marks)
- (iii) Discuss **two** advantages of interview method used in a questionnaire survey. (04 marks)
- (iv) Examine **two** disadvantages of each method used to obtain data and information through (a) mailing a questionnaire and (b) talking to the respondents over the telephone in a questionnaire survey. (06 marks)
4. (i) What is meant by 'modern cartography'? (02 marks)
- (ii) Briefly describe **three** common characteristics of modern cartographic technology. (03 marks)
- (iii) Describe **two** data sources available for map preparation using modern cartographic technology. (04 marks)
- (iv) Examine **three** uses of modern cartographic techniques which can be applied in disaster management. (06 marks)
5. **Table 01** below shows the number of industries by districts in Sri Lanka for 2013/14. Using the data, answer the following questions.

Table 01 : Number of industries by districts in Sri Lanka - 2013/14

District	No. of Industries	District	No. of Industries
Colombo	28,648	Kilinochchi	1,136
Gampaha	32,651	Batticaloa	9,009
Kalutara	15,154	Ampara	7,057
Kandy	15,455	Trincomalee	3,064
Matale	7,653	Kurunegala	24,544
Nuwara Eliya	4,059	Puttalam	12,866
Galle	11,745	Anuradhapura	11,048
Matara	13,256	Polonnaruwa	6,178
Hambantota	11,647	Badulla	6,138
Jaffna	7,887	Monaragala	5,275
Mannar	829	Ratnapura	11,216
Mullaitivu	921	Kegalle	8,772
Vavuniya	1,722		

Source- Department of Census and Statistics, 2013/14



- (i) Calculate (a) Frequency, (b) Cumulative frequency and (c) Cumulative frequency percentage using the data given in **Table 01** and complete **Table 02** (Copy **Table 02** given below into your answer script). (03 marks)

Table 02 - Frequency Table

Class Interval	Frequency (a)	Cumulative frequency (b)	Cumulative frequency percentage (c)
1 - 5,000			
5,001 - 10,000			
10,001 - 15,000			
15,001 - 20,000			
20,001 - 25,000			
25,001 - 30,000			
30,001 - 35,000			

- (ii) Draw an Ogive curve using the data in **Table 02** that you have completed in above (i) (Use the graph paper provided). (05 marks)
- (iii) Briefly describe **two** advantages of the Ogive curve as a graphical presentation. (04 marks)
- (iv) Briefly discuss **three** salient features of the geographical distribution of industries in Sri Lanka. (03 marks)

6. **Table 03** shows the population of Sri Lanka by district in 2024. Using the data, answer the following questions.

Table 03 : Population of Sri Lanka by District in 2024 ('000)

No.	District	Population ('000)	No.	District	Population ('000)
1	Colombo	2,374	14	Kurunegala	1,761
2	Gampaha	2,433	15	Puttalam	818
3	Kalutara	1,306	16	Anuradhapura	960
4	Galle	1,097	17	Polonnaruwa	447
5	Matara	838	18	Ampara	744
6	Hambantota	671	19	Batticaloa	595
7	Badulla	872	20	Trincomalee	442
8	Monaragala	527	21	Jaffna	594
9	Kandy	1,461	22	Kilinochchi	136
10	Matale	527	23	Mannar	124
11	Nuwara Eliya	725	24	Mullaitivu	123
12	Kegalle	869	25	Vavuniya	172
13	Ratnapura	1,145			

Source- Department of Census and Statistics, 2024

- (i) Classify the districts, based on the data given in **Table 03** with the following intervals: 1-500, 501-1000, 1001-1500, 1501-2000 and 2001-2500. (02 marks)
- (ii) Construct a Choropleth map based on the classification you have made in above (i) (Use the district map of Sri Lanka provided). (08 marks)
- (iii) Explain **three** salient features of the population distribution of Sri Lanka as shown in the map you have drawn. (03 marks)
- (iv) Explain in brief **two** advantages of the Choropleth map. (02 marks)

இலங்கை විභාග දෙපාර්තමේන්තුව
இலங்கைப் பரீட்சைத் திணைக்களம்
Department of Examinations, Sri Lanka

අධ්‍යයන පොදු සහතික පත්‍ර (උසස් පෙළ) විභාගය, 2025
 கல்விப் பொதுத் தராதரப் பத்திர (உயர் தரப் பரீட்சை, 2025
 General Certificate of Education (Adv. Level) Examination, 2025

භූගෝල විද්‍යාව
 புலியியல்
Geography

II
II
II

22 E II

மூன்று மணித்தியாலம்
Three hours

අමතර කියවීමේ කාලය - මිනිත්තු 10 යි
 மேலதிக வாசிப்பு நேரம் - 10 நிமிடங்கள்
Additional Reading Time - 10 minutes

Use additional reading time to go through the question paper, select the questions you will answer and decide which of them you will prioritise.

Instructions:

* Selecting at least two questions from each part, answer five questions only.

Part I - Physical Geography

1. (i) Name **four** major rock complexes in Sri Lanka. (02 marks)
(ii) Describe **three** features of any **one** of the rock complexes you have named above (i). (06 marks)
(iii) Explain geographical distribution and uses of **three** types of non-ferrous minerals found in Sri Lanka. (06 marks)
(iv) Discuss **three** major issues occurring due to extraction of non-ferrous minerals in Sri Lanka. (06 marks)
2. (i) What is meant by 'volcanism'? (02 marks)
(ii) Correctly name **six** intrusive volcanic landforms marked as A, B, C, D, E and F in the Figure 01 below. (06 marks)

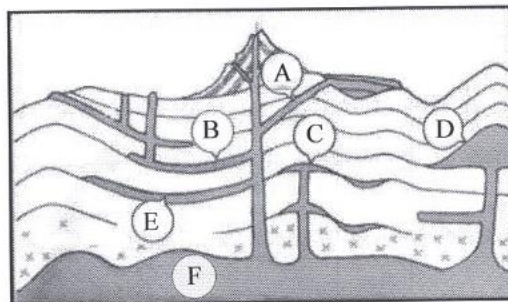


Figure 01

- (iii) Briefly describe **three** extrusive volcanic landforms using sketches. (06 marks)
- (iv) Explain **three** impacts of volcanic eruptions on the human environment. (06 marks)
3. (i) What is meant by 'climate change'? (02 marks)
- (ii) Describe **three** natural factors responsible for global climate change. (06 marks)
- (iii) Explain **three** impacts of climate change on agriculture. (06 marks)
- (iv) Discuss **three** measures that can be taken to minimize the impact of climate change in the world. (06 marks)

4. (i) What is meant by 'environmental conservation'? (02 marks)
- (ii) Describe briefly the **three** types of forest environmental systems in Sri Lanka under the following headings:
 (a) geographical distribution
 (b) climate (06 marks)
- (iii) Discuss **three** major problems associated with the conservation of forest environmental systems in Sri Lanka. (06 marks)
- (iv) Explain **three** strategies of community participation useful for forest conservation in Sri Lanka. (06 marks)

Part II - Human Geography

5. Table 01 shows the population distribution of the world by major regions for the years 2001 and 2023 and projected population for 2035 and 2050. Answer the following questions using the data given in the Table 01.

Table 01 : Population distribution of the world by major regions, for the years 2001, 2023, 2035 and 2050

Region	2001		2023		2035		2050	
	Population (million)	%	Population (million)	%	Population (million)	%	Population (million)	%
Asia	3,720	60.6	4,739	59.2	5,054	57.4	5,253	54.7
Africa	818	13.3	1,453	18.1	1,865	21.1	2,417	25.3
Latin America and Caribbean	525	8.6	652	8.1	701	8.0	727	7.6
Europe	727	11.9	744	9.3	746	8.4	733	7.6
North America	316	5.1	375	4.7	394	4.5	405	4.2
Oceania	31	0.5	45	0.6	53	0.6	61	0.6
World	6,137	100.0	8,008	100.0	8,813	100.0	9,596	100.0

Source : Population Reference Bureau (PRB)

- (i) Why is population distribution considered as an important feature in a region? (02 marks)
- (ii) Describe **three** salient features in population distribution of major regions of the world during 2001-2023. (06 marks)
- (iii) Discuss **three** trends in population distribution in major regions of the world from 2023 to 2050. (06 marks)
- (iv) Examine **three** issues faced by the region with the highest concentration of population in the world. (06 marks)
6. (i) What is meant by 'urbanization'? (02 marks)
- (ii) Describe in brief **three** factors that determine the increase in urbanization of a country. (06 marks)
- (iii) Discuss **three** issues of urbanization faced by the developing countries. (06 marks)
- (iv) Explain **three** factors responsible for the low level of urbanization in Sri Lanka. (06 marks)

7. (i) State **four** factors determining the location of manufacturing industries in the world. (02 marks)
- (ii) Select any **three** factors that you have mentioned above (i) and describe briefly **two** characteristics of each factor that determine the location of manufacturing industries. (06 marks)
- (iii) Select any **three** industries in Sri Lanka and discuss **two** factors that determine the location of each of those industries. (06 marks)
- (iv) Examine **three** major issues associated with the development of industries in Sri Lanka. (06 marks)

8. (i) What is meant by 'globalization'? (02 marks)
- (ii) Describe **three** drivers that accelerate the globalization process in developing countries. (06 marks)
- (iii) Discuss **three** impacts of globalization on economic development in developing countries. (06 marks)
- (iv) Explain **three** impacts of globalization on the social and cultural changes in Sri Lanka with examples. (06 marks)

* * *

