

සියලු ම හිමිකම් ඇවිරිණි / முழுப் பதிப்புரிமையுடையது / All Rights Reserved

ශ්‍රී ලංකා විභාග දෙපාර්තමේන්තුව ශ්‍රී ලංකා විභාග දෙපාර්තමේන්තුව ශ්‍රී ලංකා විභාග දෙපාර්තමේන්තුව ශ්‍රී ලංකා විභාග දෙපාර්තමේන්තුව ශ්‍රී ලංකා විභාග දෙපාර්තමේන්තුව  
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61 | E | I, II

අධ්‍යයන පොදු සහතික පත්‍ර (සාමාන්‍ය පෙළ) විභාගය, 2019 දෙසැම්බර්  
கல்விப் பொதுத் தராதரப் பத்திர (சாதாரண தர)ப் பரீட்சை, 2019 டிசெம்பர்  
General Certificate of Education (Ord. Level) Examination, December 2019

භූගෝල විද්‍යාව I, II  
புவியியல் I, II  
Geography I, II

12.12.2019 / 0830 - 1140

පැය තුනයි  
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 and decide on the questions that you give priority in answering.

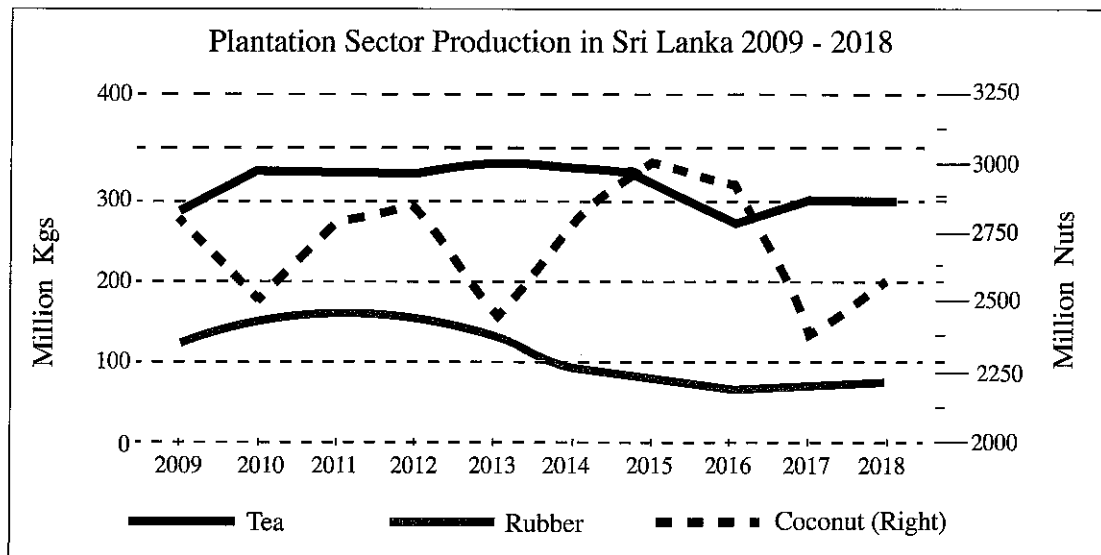
Index No. : .....

### Geography I

- \* This question paper comprises 40 questions.
- \* Answer all questions on this paper itself in accordance with the instructions given for each question.

- From the answers given in the parentheses, select the answer that suits the blank in each question from No. 1 to 5 and write it on the dotted line.
- 1. The crust, which is a part of the lithosphere, is about ..... of the Earth's mass. (1% / 5% / 10%)
- 2. .... is the continent located entirely in the southern hemisphere. (South America / Africa / Australia)
- 3. It was ..... who presented an earliest view about the distribution of world climate. (Ptolemy / Aristotle / Eratosthenes)
- 4. 'Norin 10' is a high yielding variety of ..... (Paddy / Wheat / Cotton)
- 5. An agro technological park of Sri Lanka is located at ..... (Gannoruwa / Angunakolapelessa / Matale)
- Read each statement from No. 6 to 10 and circle C if it is correct and circle W if it is incorrect.
- 6. Generated by the quakes in the ocean floor the gigantic ocean waves that travel towards the shore are known as Tsunami waves. C / W
- 7. In Sri Lanka the highest fish catch is derived from the deep sea fisheries industry. C / W
- 8. The mixing of various chemical elements during the production process has resulted in an increase in the quality of tea produced in Sri Lanka at present. C / W
- 9. Spending a higher amount of money on relevant research than on the production of goods itself is a specific characteristic of the electronic industry. C / W
- 10. Anavilundawa sanctuary, Bundala National Park and Madu ganga are three locations declared as wetlands of international significance. C / W

- In questions from No. 11 to 18 fill the blanks with suitable words.
- 11. Among the countries of the Asian continent a highest number of people live in two countries, namely China and .....
- 12. Among the rivers in Sri Lanka the largest catchment area belongs to the ..... river.
- 13. .... rocks are created through cooling and solidifying the magma found in the earth's interior.
- 14. The rain water that percolates into the earth and rests on impermeable rock layers forms ..... water.
- 15. Life expectancy, literacy and the per capita gross national product adjusted to purchasing power are used as criteria to compute the ..... index.
- To answer the questions from No. 16 to 18 use the graph given below.



Source : Central Bank of Sri Lanka, Economic and Social statistics of Sri Lanka – 2019

According to the above graph,

- 16. The highest production of tea has taken place in the year .....
- 17. A higher variability in production is seen in the ..... cultivation sector.
- 18. Relatively a low production in the tea and rubber sectors is shown in the year .....
- In questions from No. 19 to 22 two columns are shown as 'A' and 'B'. On the dotted line write the number of the answer that shows the correct order when the information given in column 'A' is matched with the information given in column 'B' provided against it.

19.	<b>'A'</b>	<b>'B'</b>	
	<b>Energy</b>	<b>Location of the power station</b>	
	1. Wind	A - Inginiyagala	
	2. Hydro electricity	B - Kerawalapitiya	
	3. Thermal electricity	C - Puttalam	
		D - Baruthakanda	
	(1) A, B, C	(2) C, A, B	(3) C, B, A
			(4) D, B, C
			(.....)

20. 'A' Forest type  
 1. Tropical Wet  
 2. Montane Dry  
 3. Mangrove
- 'B' Nature of vegetation  
 A - Plants such as Kirala, Diyakaduru, Ginpola  
 B - Thorny plants such as Cactus, Eraminiya,  
 C - Number of canopy layers; trees like Hora, Keena, Midella  
 D - Grass varieties; plants such as Maharath mal, Aralu, Nelli and Kahata
- (1) A, B, D (2) B, D, A (3) C, A, B (4) C, D, A (.....)

21. 'A' Iron and steel production centres  
 1. Shangshewan  
 2. Nagoya  
 3. Birmingham
- 'B' Country  
 A - United States of America  
 B - China  
 C - United Kingdom  
 D - Japan
- (1) A, B, C (2) B, C, A (3) B, D, C (4) C, B, A (.....)

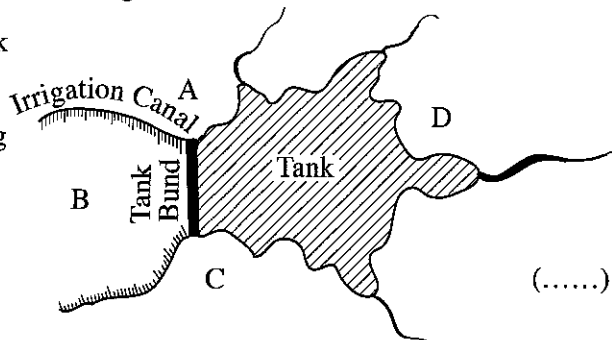
22. 'A' city  
 1. Shanghai  
 2. Karachchi  
 3. Cairo
- 'B' Associated river  
 A - Nile  
 B - Sindhu  
 C - Hwangho  
 D - Yantsikiang
- (1) A, B, C (2) C, B, A (3) D, A, B (4) D, B, A (.....)

- To answer the questions from No. 23 to 25, use the diagram shown below.

According to this diagram which shows a tank and irrigation canals,

23. What is the letter that indicates the area practising farming with tank water?

- (1) A (2) B  
 (3) C (4) D



24. What is the letter that indicates the area where the tank reserve is located?  
 (1) A (2) B (3) C (4) D (.....)
25. Select the answer that contains the two letters showing the most suitable areas to locate settlements associated with the tank?  
 (1) A and C (2) A and D (3) B and D (4) C and D (.....)

- For each question from No. 26 to 36, select the **correct** or **most appropriate** answer from the four answers given and **write its number on the dotted line** provided against it.

26. Select the answer that shows the latitudinal location of Sri Lanka correctly.  
 (1) from 5°55' N to 9°51' N (2) from 6°55' N to 9°50' N  
 (3) from 5°55' N to 8°51' N (4) from 6°00' N to 10°00' N (.....)
27. Sri Lanka is affected by cyclones mostly from  
 (1) March to May. (2) August to October.  
 (3) October to December. (4) December to February. (.....)
28. ● Temperature is over 18 °C throughout the year  
 ● No winter season  
 ● High rainfall spread throughout year is seen.  
 The climatic type that includes above characteristics is  
 (1) Temperate climate. (2) Mediterranean climate.  
 (3) Tundra climate. (4) Tropical climate. (.....)

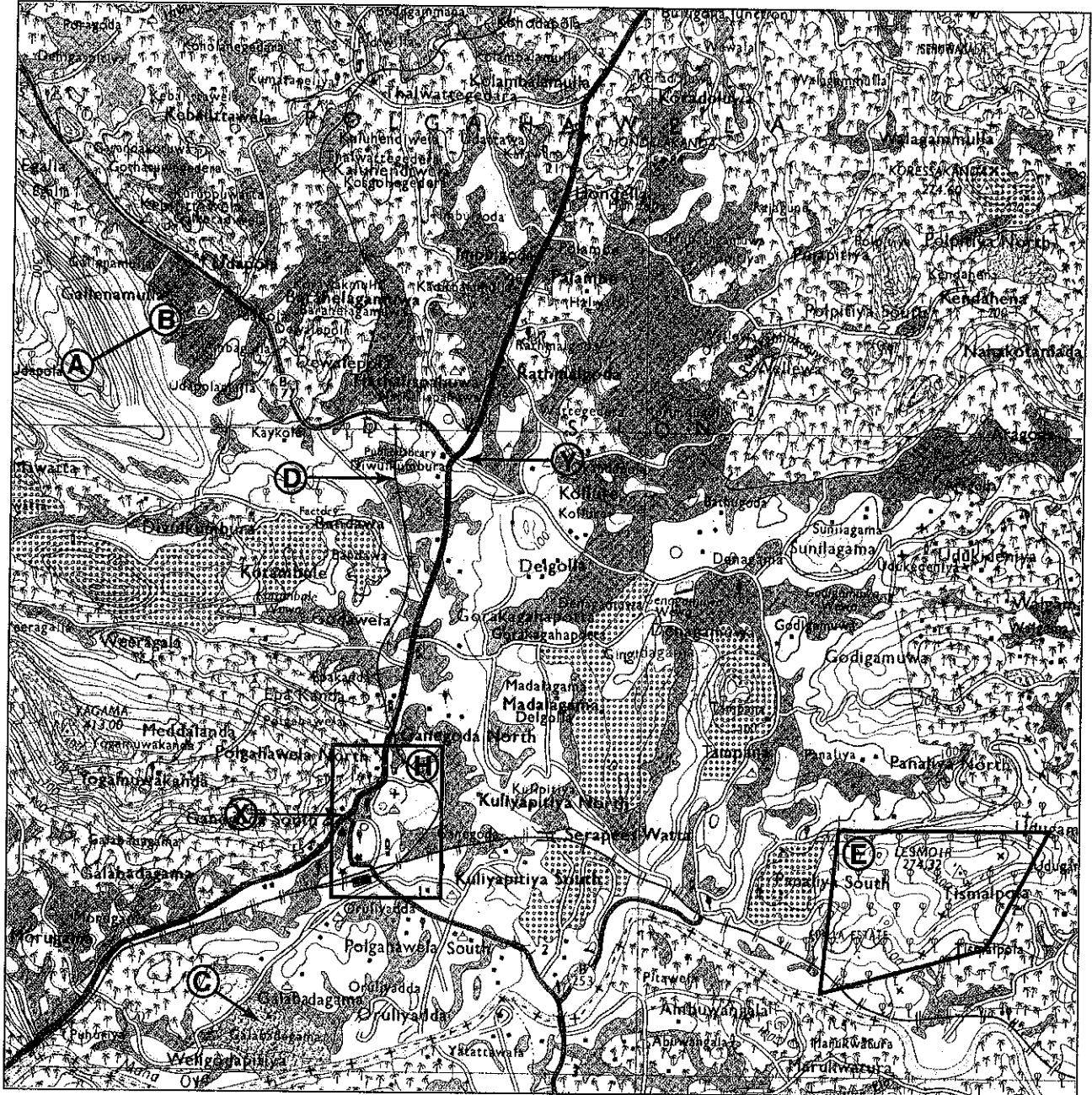
29. What is the pair of seas which is entirely surrounded by land?  
 (1) Baltic sea and Red sea (2) Arabian sea and Adriatic sea  
 (3) Caspian sea and Aral sea (4) Black sea and Yellow sea (.....)
30. What is the Rice Research Institute located in the wet zone of Sri Lanka?  
 (1) Bombuwela (2) Batalegoda (3) Maha Iluppallama (4) Ambalantota (.....)
31. Select the answer which contains **three** locations that acquire prominence for the brackish water fisheries industry in Sri Lanka?  
 (1) Tangalle, Mirissa, Galle (2) Puttalam, Chilaw, Mundalama  
 (3) Trincomalee, Jaffna, Kokkilai (4) Chilaw, Bentota, Beruwala (.....)
32. The livestock farming sector in Sri Lanka that has shown the highest rate of growth in relation to the demand in recent times is,  
 (1) milk production sector. (2) poultry sector.  
 (3) goat and sheep husbandry sector. (4) pork production sector (.....)
33. Select the answer which contains the towns that belong only to 'ancient cities' zone of the tourist zones of Sri Lanka.  
 (1) Anuradhapura, Dambulla, Kandy (2) Sigiriya, Dambulla, Kataragama  
 (3) Kandy, Polonnaruwa, Jaffna (4) Trincomalee, Kandy, Kurunegala (.....)
34. A - Historical heritages  
 B - New innovations  
 C - Kindness  
 D - Environmental heritages  
 E - Hospitality  
 Select the answer which contains **two** 'intangible heritages' among the tourist attractions shown above.  
 (1) A and B (2) B and C (3) C and E (4) D and E (.....)
35. Select the answer which contains greenhouse gases that effect climate change.  
 (1) Meethane, Chlorofluorocarbon, Carbon dioxide  
 (2) Nitrogen oxide, Meethane, Oxygen  
 (3) Water vapor, Nitrogen, Carbon dioxide  
 (4) Chlorofluorocarbon, Argon, Meethane (.....)
36. Which of the following is the Province with the lowest population according to the population distribution in Sri Lanka?  
 (1) Eastern Province (2) North Central Province  
 (3) Uva Province (4) Northern Province (.....)
- Carefully study the interconnected pairs of topics given in A, B, C and D and answer the questions from No. 37 to 40.
- |                                  |   |
|----------------------------------|---|
| A - 1. Global temperature        | B - 1. Altitude                         |
| 2. Ocean water level             | 2. Air Pressure                         |
| C - 1. Rate of population growth | D - 1. Environmental pollution          |
| 2. Aged population               | 2. Disposal of waste to the environment |
37. What is the pair of topics which indicates an increase in the first causes a decrease in the second?  
 (1) A (2) B (3) C (4) D (.....)
38. What is the pair of topics which indicates an increase in the first will cause an increase in the second, too?  
 (1) A (2) B (3) C (4) D (.....)
39. What is the pair of topics which indicates a decrease in the second will cause a decrease in first, too?  
 (1) A (2) B (3) C (4) D (.....)
40. What is the pair of topics which does not show a direct relationship between the first and the second?  
 (1) A (2) B (3) C (4) D (.....)

ශ්‍රී ලංකා විභාග දෙපාර්තමේන්තුව ශ්‍රී ලංකා විභාග දෙපාර්තමේන්තුව ශ්‍රී ලංකා විභාග දෙපාර්තමේන්තුව ශ්‍රී ලංකා විභාග දෙපාර්තමේන්තුව ශ්‍රී ලංකා විභාග දෙපාර්තමේන්තුව  
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**61 II**

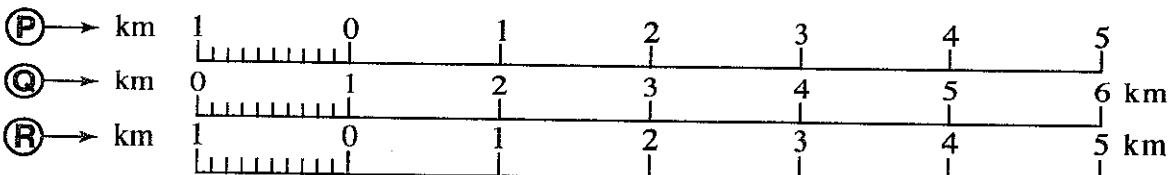
අධ්‍යයන පොදු සහතික පත්‍ර (සාමාන්‍ය පෙළ) විභාගය, 2019 දෙසැම්බර්  
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භූගෝල විද්‍යාව II / புவிமியல் II / Geography II

3613



SCALE : 1 : 50 000





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61 E I, II

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General Certificate of Education (Ord. Level) Examination, December 2019

භෞල විද්‍යාව I, II  
புவியியல் I, II  
Geography I, II

### Geography II

- \* This paper consists of two parts - I and II.
- \* The question in Part I is compulsory. All three parts of it, namely (a), (b) and (c) should be answered.
- \* Four questions from Part II should be answered.
- \* The total number of questions to be answered is five.

### Part I

1. (a) Study the 1 : 50 000 topographic map section provided to you and answer the following questions based on it. In answering, use the paper (page No. 8) provided to you. For questions from No. (i) to (iii), select the appropriate answer from the parentheses and write it.
  - (i) What is the landform shown by Ⓐ – Ⓑ line?  
(Concave slope / Convex slope / Escarpment) (01 mark)
  - (ii) What is shown by letter Ⓒ?  
(Shrubs / Grasslands / Forests) (01 mark)
  - (iii) What is shown by letter Ⓓ?  
(Narrow gauge rail line / Broad gauge single rail line / Broad gauge double rail line) (01 mark)
  - (iv) What is the main commercial crop distributed in the area shown in the quadrilateral Ⓔ. (01 mark)
  - (v) Name **three** institutions that provide public services found in the area shown in the quadrilateral Ⓕ? (03 marks)
- Two statements on the map area are given in questions (vi) and (vii). Read each of the statements and write **C** if it is correct and **W** if it is incorrect against the question number given in the answer sheet.
  - (vi) Evidence is available for the fact that the area shown in the map section belongs to several provinces of Sri Lanka. (01 mark)
  - (vii) The distance of the section of the high way extending from Ⓐ junction to Ⓓ junction is 4 km. (01 mark)
  - (viii) Of the linear scales drawn as Ⓐ, Ⓑ and Ⓒ which are placed below the map select the letter that belongs to the correctly drawn scale and write it on the space given in the answer sheet. (01 mark)
- (b) Carefully study the world map provided to you and answer the questions given below. In answering, use the column of boxes adjacent to the map. (page No. 9)  
Three English letters are given in front of each question from (i) to (v). Select the letter that indicates the correct answer from the world map and write it in the adjacent box.
  - (i) **Niger River** – Ⓐ, Ⓑ, Ⓒ
  - (ii) The **Amazon forest** facing the threat of destruction due to the recent wildfire.  
– Ⓓ, Ⓔ, Ⓕ
  - (iii) **Hong Kong** – Ⓖ, Ⓗ, Ⓙ

(iv) **Greenland** that faces the threat of melting of snow mountains – (K, L, M)

(v) **Damodar** Iron and steel Industrial region. – (P, Q, R)

(05 marks)

- (c) Carefully study the map of Sri Lanka provided to you and answer the questions given below. In answering, use the column located adjacent to the map of Sri Lanka. (Page No. 9)

Three English letters are given in front of each question from No. (i) to (v). Select the letter that indicates the correct answer for each question from the map and write it in the adjacent box.

(i) **Aruwakkalu** where the waste land fill – (A, B, C)

(ii) **Badulla District** – (D, E, F)

(iii) Fisheries harbour in **Kankasanturai** – (G, H, J)

(iv) **Arugam Bay** famous as a location for wave surfing – (K, L, M)

(v) **Madu Ganga**, a tourist attraction – (P, Q, R)

(05 marks)

### Part II

2. (i) Of the layers of the Earth's atmosphere, write the name

(a) the layer within which all meteorological phenomena take place,

(b) the layer with the highest temperature, respectively

(02 marks)

- (ii) State **three** reasons responsible for the decrease in the quality of freshwater available for the use of humankind.

(03 marks)

- (iii) Explain with **three** factors how the destruction of forests affects the existence of the biospheric sub-system.

(05 marks)

3. (i) Name the **two** districts significant for rubber cultivation shown as No. ① and No. ② in the adjacent Map of Sri Lanka in that order.

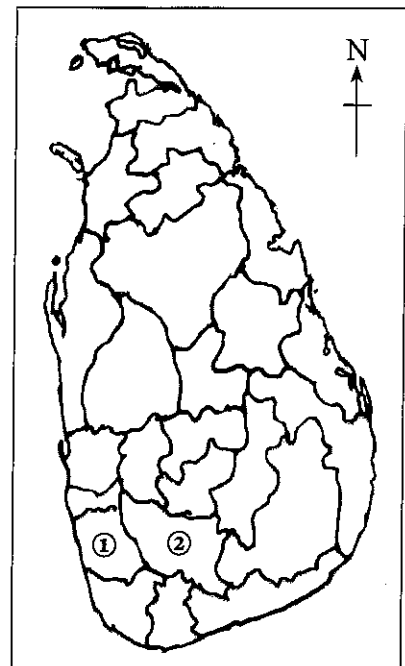
(02 marks)

- (ii) Mention **three** problems encountered by the rubber industry in Sri Lanka at present.

(03 marks)

- (iii) Explain with **three** factors how the utilization of rubber for local industries and exporting as finished products instead of exporting it as raw material would lead to economic development of Sri Lanka.

(05 marks)



4. (i) Name the **two** energy sources widely used for the generation of electricity in Sri Lanka other than water.

(02 marks)

- (ii) State **three** problems arising in the energy use.

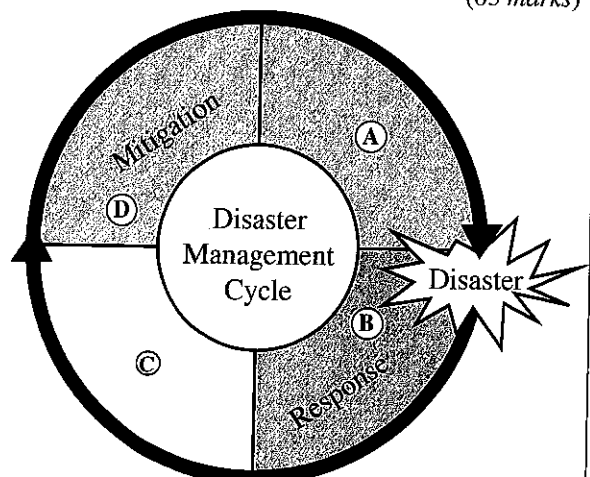
(03 marks)

- (iii) Describe **three** advantages of using energy with austerity.

(05 marks)



5. The ship-building industry, a developed industry in many European countries in the past, has transformed into a world's leading manufacturing industry at present.
- Write down **two** reasons that led to the development of ship-building industry in the European countries in the past . (02 marks)
  - State **three** recent trends in the ship-building industry. (03 marks)
  - In recent times a development could be seen in the boat manufacturing industry in Sri Lanka. Explain **two** reasons for it.
    - Describe in brief,
      - a problem associated with raw materials
      - a problem associated with markets in relation to world's manufacturing industry. (05 marks)
6. (i) Name respectively,
- a sparsely populated area in Africa due to the effects of harsh climatic factors.
  - a sparsely populated area in the Asian continent due to the effects of rugged relief. (02 marks)
- (ii) State
- two** problems encountered by the developing countries due to their rapid rate of population growth.
  - one** problem encountered by the developed countries due to their excessively slow rate of population growth. (03 marks)
- (iii) State **three** problems associated with the population structure of Sri Lanka and describe **one** of them. (05 marks)
7. (i) State the primary objective expected to realize through the regional development in Sri Lanka. (02 marks)
- (ii) Name **three** projects implemented to achieve rural development under the regional development programme of Sri Lanka. (03 marks)
- (iii) Name **three** measures that have been adopted recently for the development of highways and railways in Sri Lanka and explain how they have contributed to the country's development. (05 marks)
8. (i) Name **two** natural hazards that occur without the influence of human activities.. (02 marks)
- (ii) Name the natural hazard strongly affects the districts shown as (A), (B) and (C) below respectively.
- Kalutara and Ratnapura
  - Anuradhapura and Mannar
  - Kegalle and Nuwara Eliya
- (03 marks)
- (iii) (a) Name respectively the **two** stages denoted as (A) and (C) in the Disaster Management Cycle diagram shown adjacently.
- (b) Explain with **two** measures how one should act during the stage (B) shown in the diagram. (05 marks)





ශ්‍රී ලංකා විභාග දෙපාර්තමේන්තුව/இலங்கைப் பரீட்சைத் திணைக்களம்/Department of Examinations, Sri Lanka

අධ්‍යයන පොදු සහතික පත්‍ර (සාමාන්‍ය පෙළ) විභාගය 2019 දෙසැම්බර්

கல்விப் பொதுத் தராதரப் பத்திர (சாதாரண தர)ப் பரீட்சை, 2019 டிசெம்பர்

General Certificate of Education (Ord. Level) Examination, December 2019

විභාග අංකය

சுட்டெண்

Index Number

(61) භූගෝල විද්‍යාව II  
புவியியல் II  
Geography II

1. (අ) /(அ) /(a)

(i) .....

(ii) .....

(iii) .....

(iv) .....

(v) .....

.....

.....

(vi) .....

(vii) .....

(viii) .....

පරීක්ෂකවරයාගේ  
ප්‍රයෝජනය පිණිසයි.  
பரீட்சகரின்  
உபயோகத்திற்கு மட்டும்  
For Examiner's  
Use Only





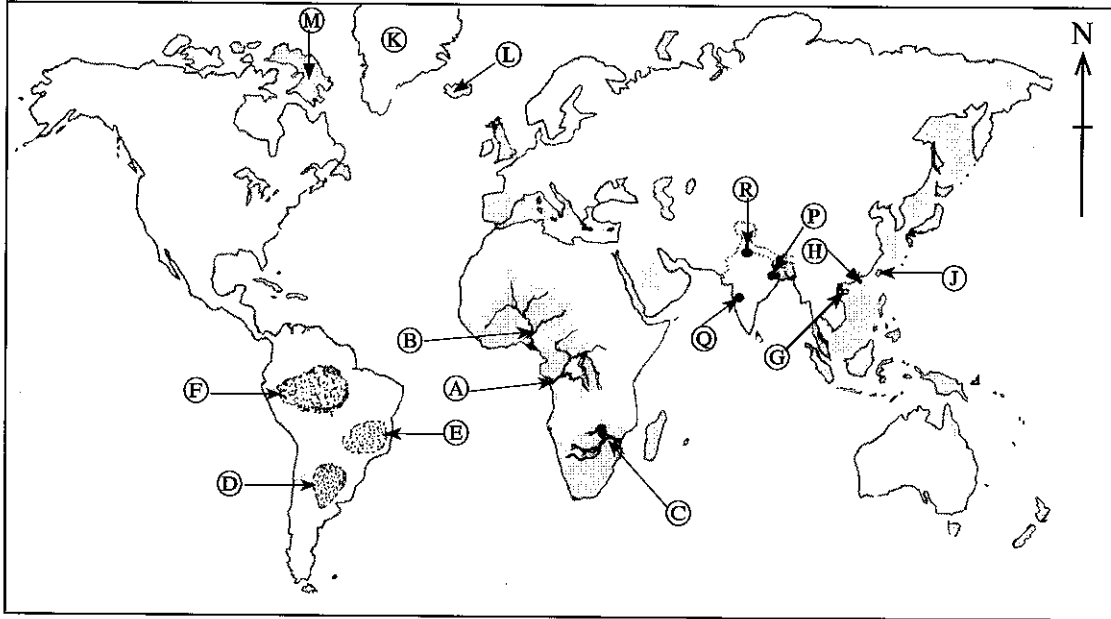






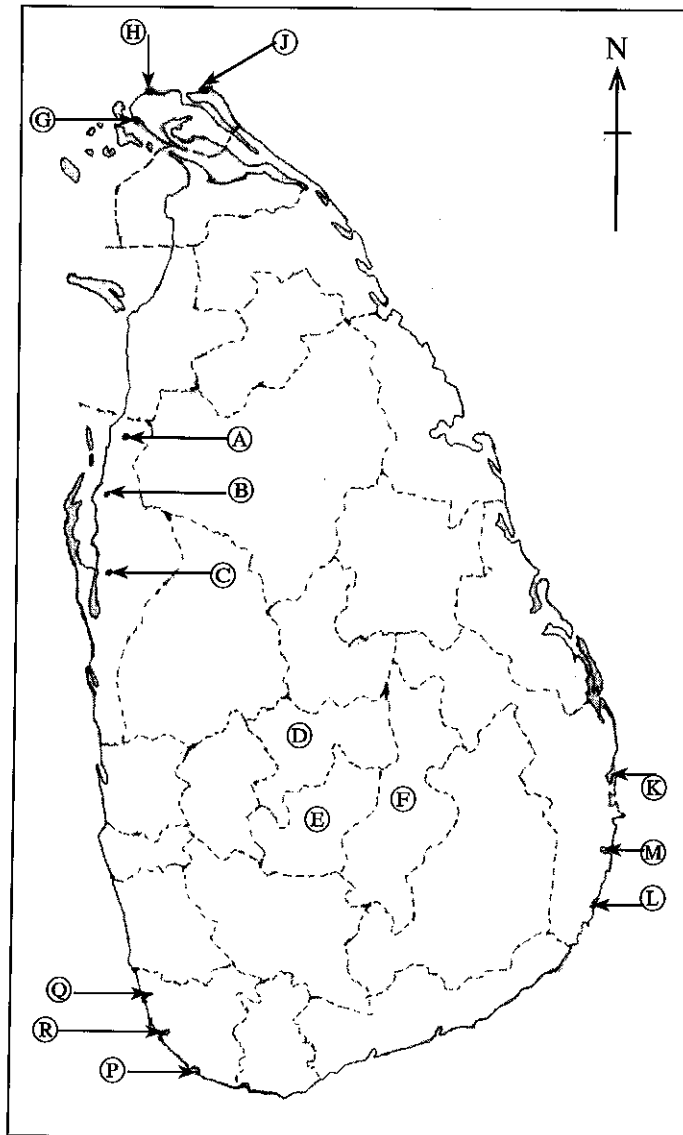

10

(අ) / (ඌ) / (b)



- (i)
- (ii)
- (iii)
- (iv)
- (v)
- 5

(ආ) / (ඹ) / (c)



- (i)
- (ii)
- (iii)
- (iv)
- (v)
- 5

1. (අ) (ආ) (a)  $\frac{10}{10}$

(ආ) (ඌ) (b)  $\frac{5}{5}$

(ආ) (ඹ) (c)  $\frac{5}{5} = \frac{20}{20}$