

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
 புவிப்பியல் 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.

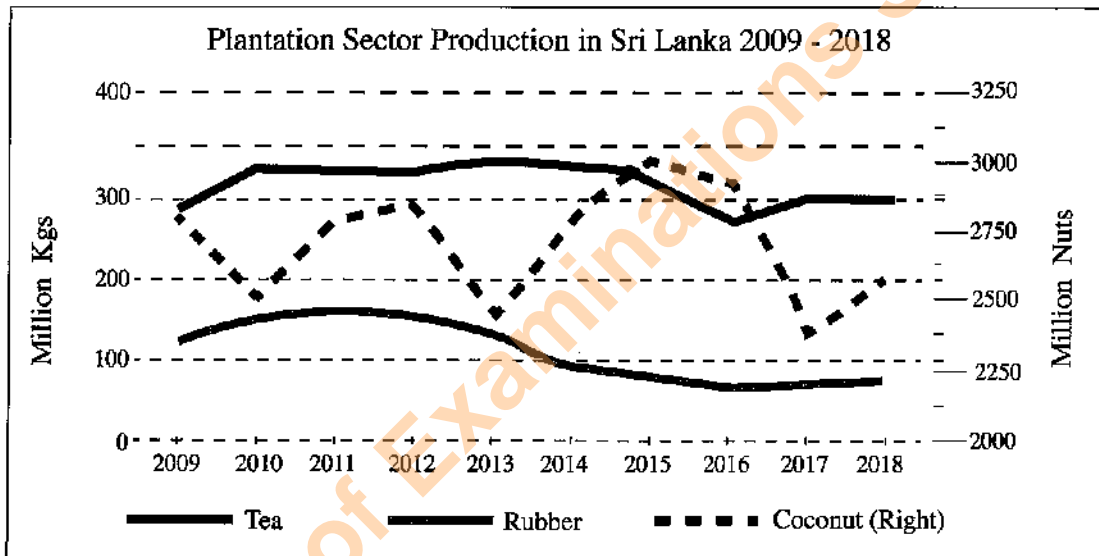
Index No. :

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.

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

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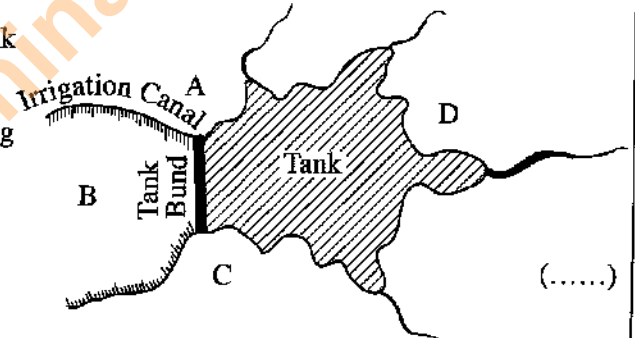
20. **'A'**
Forest type
 1. Tropical Wet
 2. Montane Dry
 3. Mangrove
- 'B'**
Nature of vegetation
 A - Plants such as Kirala, Diyakaduru, Ginpol
 B - Thorny plants such as Cactus, Eraminiya,
 C - Number of canopy layers; trees like Hora, Keena, Midella
 D - Grass varieties; plants such as Maharath mal,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

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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 (.....)

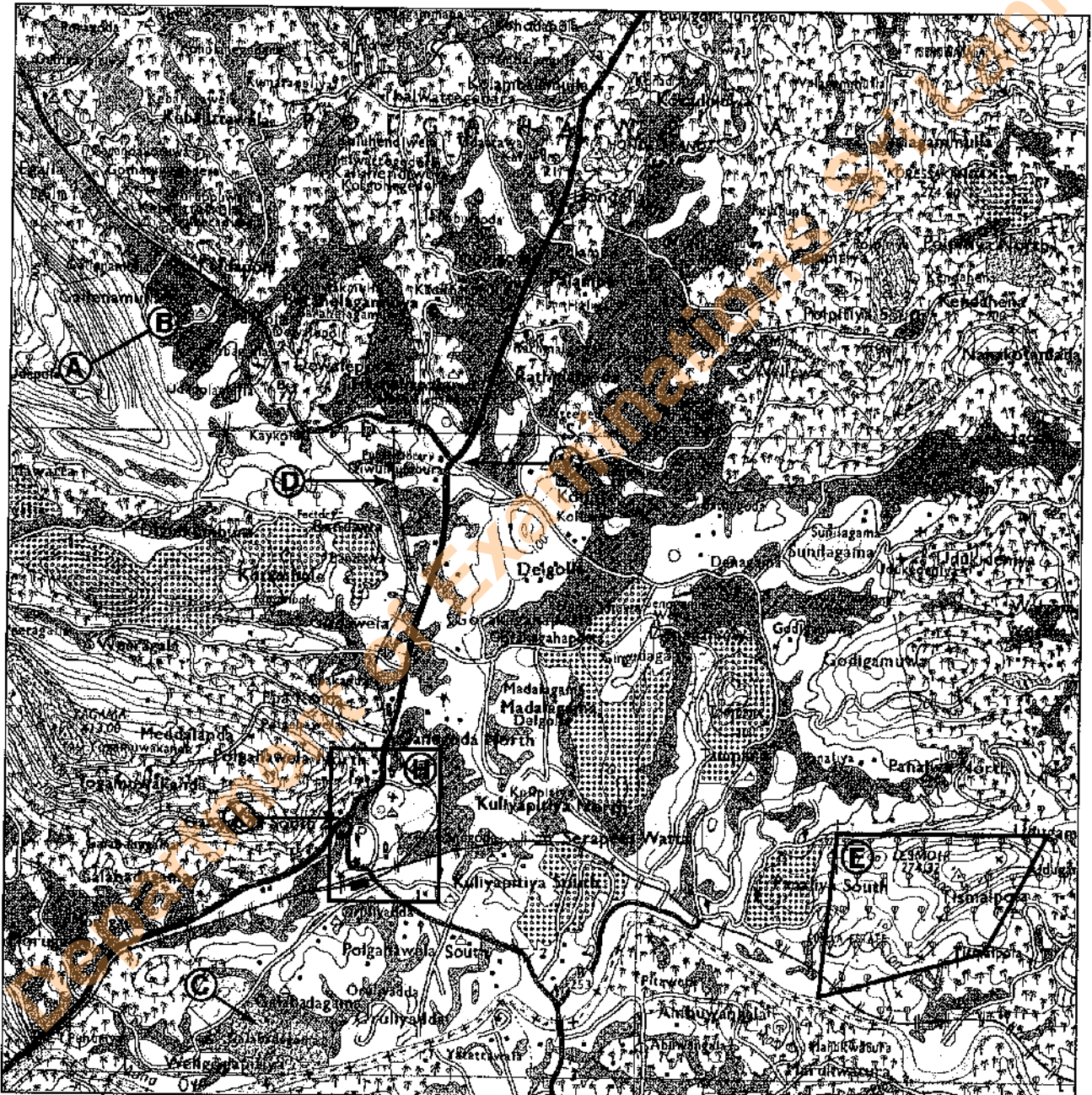
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 61 II

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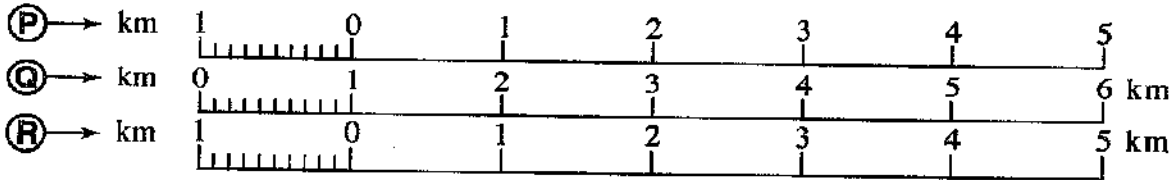
භූගෝල විද්‍යාව II / புயியியல் II / Geography II

3613

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SCALE : 1 : 50 000



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

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භෞමි විද්‍යාව I, II
 புவிமியல் 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 **A** - **B** line?
 (Concave slope / Convex slope / Escarpment) (01 mark)
 - (ii) What is shown by letter **C**?
 (Shrubs / Grasslands / Forests) (01 mark)
 - (iii) What is shown by letter **D**?
 (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 **E**. (01 mark)
 - (v) Name **three** institutions that provide public services found in the area shown in the quadrilateral **F**? (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 **X** junction to **Y** junction is 4 km. (01 mark)
 - (viii) Of the linear scales drawn as **P**, **Q** and **R** 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 - **A**, **B**, **C**
 - (ii) The Amazon forest facing the threat of destruction due to the recent wildfire.
 - **D**, **E**, **F**
 - (iii) Hong Kong - **G**, **H**, **J**

(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.

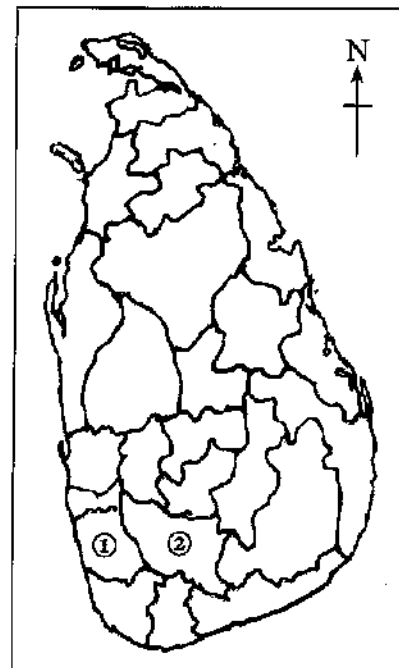
(02 marks)

(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)

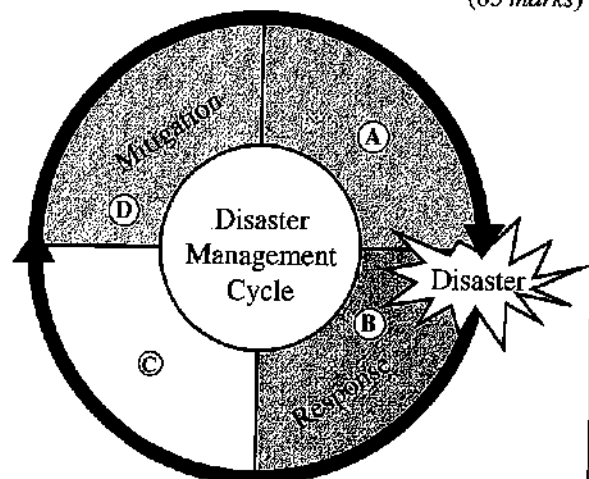
(ii) State **three** problems arising in the energy use.

(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.
- (i) Write down **two** reasons that led to the development of ship-building industry in the European countries in the past . (02 marks)
 - (ii) State **three** recent trends in the ship-building industry. (03 marks)
 - (iii) (a) In recent times a development could be seen in the boat manufacturing industry in Sri Lanka. Explain **two** reasons for it.
 - (b) Describe in brief,
 - (I) a problem associated with raw materials
 - (II) a problem associated with markets in relation to world's manufacturing industry. (05 marks)
6. (i) Name respectively,
- (a) a sparsely populated area in Africa due to the effects of harsh climatic factors.
 - (b) a sparsely populated area in the Asian continent due to the effects of rugged relief. (02 marks)
- (ii) State
- (a) **two** problems encountered by the developing countries due to their rapid rate of population growth.
 - (b) **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.
- (A) - Kalutara and Ratnapura
 - (B) - Anuradhapura and Mannar
 - (C) - 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

கல்விய் பொதுத் தராதரப் பத்திர (சாதாரண தரப் பரீட்சை, 2019 டிசம்பர்)

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

විභාග අංකය

சட்டெண்

Index Number

(61) භූගෝල විද්‍යාව II
 புவிபியல் II
 Geography II

1. (අ) / (அ) / (a)

(i)

(ii)

(iii)

(iv)

(v)

(vi)

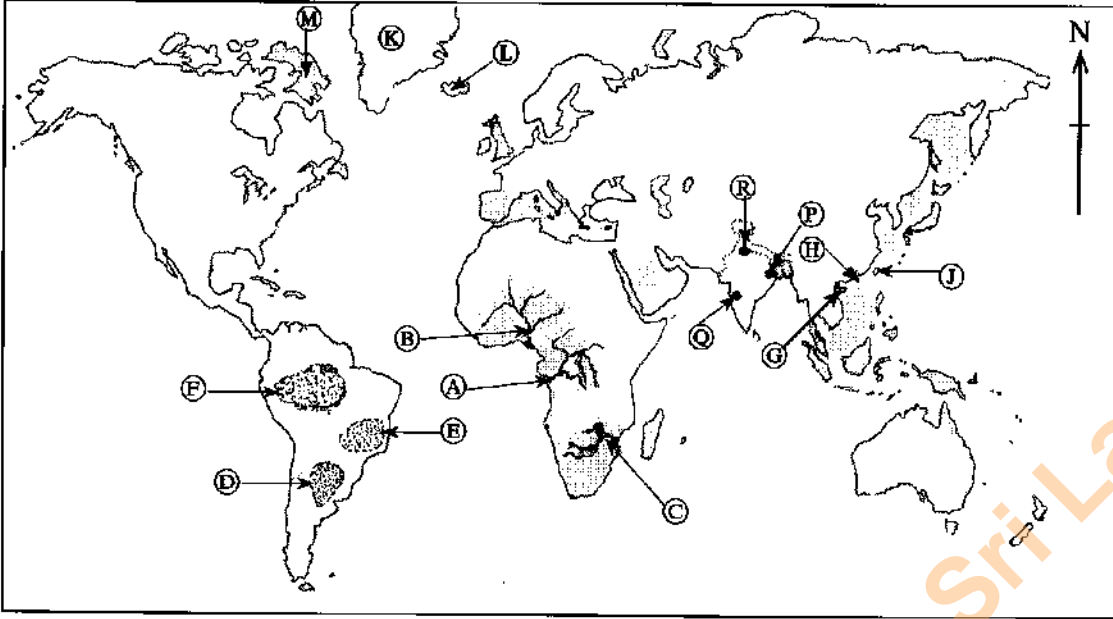
(vii)

(viii)

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

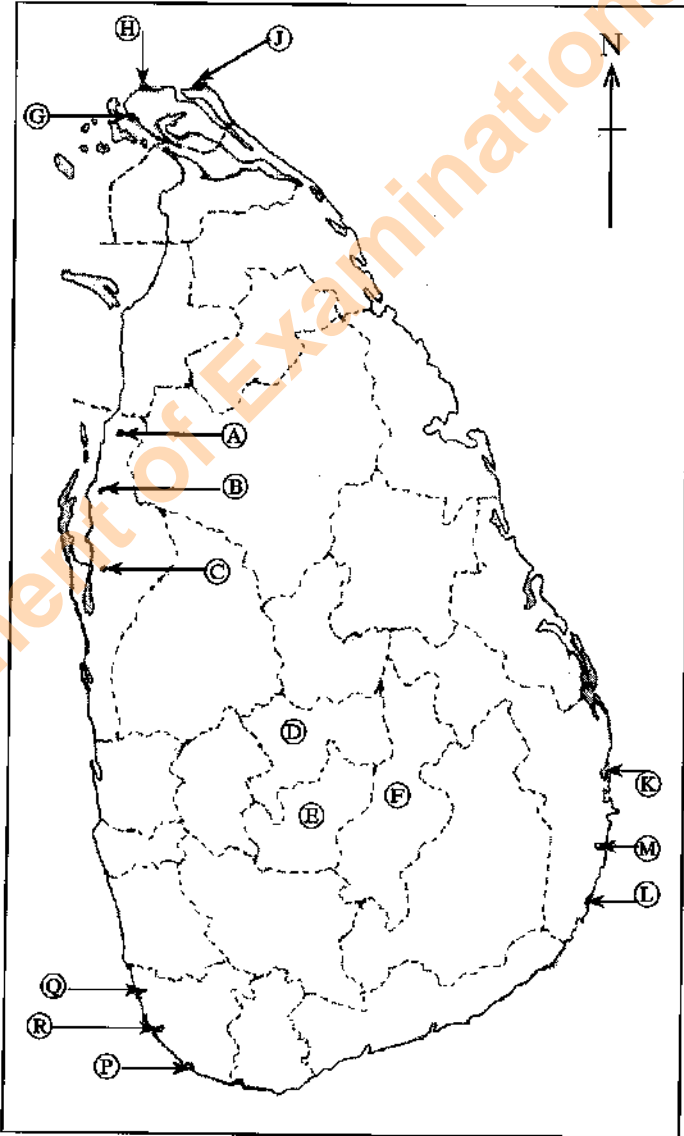
10

(ආ) / (ඈ) / (b)



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

(ආ) / (ඈ) / (c)



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

1. (ආ) (ඈ) (a) $\frac{10}{10}$

(ආ) (ඈ) (b) $\frac{5}{5}$

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

Department of Examinations Sri Lanka

G.C.E. (O/L) Examination - 2019

61 - Geography - I, II

Computation of final marks**Paper I**

| | |
|-------------------------------|----------|
| Question No.01 - 40 (01 X 40) | Marks 40 |
|-------------------------------|----------|

Paper II**Part I**

| | |
|-----------------|----------|
| Question No. 01 | Marks 20 |
|-----------------|----------|

Part II

| | | |
|-----------------|----------|--------------------------------|
| Question No. 02 | Marks 10 | } 04 Questions 40 marks |
| Question No. 03 | Marks 10 | |
| Question No. 04 | Marks 10 | |
| Question No. 05 | Marks 10 | |
| Question No. 06 | Marks 10 | |
| Question No. 07 | Marks 10 | |
| Question No. 08 | Marks 10 | |

| | |
|----------------|----------|
| Paper I | Marks 40 |
|----------------|----------|

| | |
|-----------------|-----------------|
| Paper II | <u>Marks 60</u> |
|-----------------|-----------------|

| | |
|--------------|-------------------------|
| Final | <u>Marks 100</u> |
|--------------|-------------------------|

Common Techniques of Marking Answer Scripts.

It is compulsory to adhere to the following standard method in marking answer scripts and entering marks into the mark sheets.

1. Use a red color ball point pen for marking. (Only Chief/Additional Chief Examiner may use a mauve color pen.)
2. Note down Examiner's Code Number and initials on the front page of each answer script.
3. Write off any numerals written wrong with a clear single line and authenticate the alterations with Examiner's initials.
4. Write down marks of each subsection in a \triangle and write the final marks of each question as a rational number in a \square with the question number. Use the column assigned for Examiners to write down marks.

Example: Question No. 03

| | | | |
|-------|--|---|------------------------------|
| (i) | | ✓ | \triangle $\frac{4}{5}$ |
| (ii) | | ✓ | \triangle $\frac{3}{5}$ |
| (iii) | | ✓ | \triangle $\frac{3}{5}$ |

| | | | | | | | | | | |
|--|-----|---------------|---|------|---------------|---|-------|---------------|---|------------------------------|
| 03 | (i) | $\frac{4}{5}$ | + | (ii) | $\frac{3}{5}$ | + | (iii) | $\frac{3}{5}$ | = | \square $\frac{10}{15}$ |
|--|-----|---------------|---|------|---------------|---|-------|---------------|---|------------------------------|

MCQ answer scripts: (Template)

1. Mark the correct options on the template according to the Marking Scheme. Cut off the marked windows with a blade. Cut off the cages for Index Number and the number of correct options so as to be able to keep the template correctly on the answer script. Cut off a blank space to the right of each options column to mark the answers. Submit the prepared template to the Chief Examiner for approval.
2. Then, check the answer scripts carefully. If there are more than one or no answers Marked to a certain question write off the options with a line. Sometimes candidates may have erased an option marked previously and selected another option. In such occasions, if the erasure is not clear write off those options too.
3. Place the template on the answer script correctly. Mark the right answers with a 'v' and the wrong answers with a 'X' against the options column. Write down the number of correct answers inside the cage given under each column. Then, add those numbers and write the number of correct answers in the relevant cage.

Structured essay type and essay type answer scripts:

1. Cross off any pages left blank by candidates. Underline wrong or unsuitable answers. Show areas where marks can be offered with check marks.
2. Use the right margin of the overland paper to write down the marks.
3. Write down the marks given for each question against the question number in the relevant cage on the front page in two digits. Selection of questions should be in accordance with the instructions given in the question paper. Mark all answers and transfer the marks to the front page, and write off answers with lower marks if extra questions have been answered against instructions.
4. Add the total carefully and write in the relevant cage on the front page. Turn pages of answer script and add all the marks given for all answers again. Check whether that total tallies with the total marks written on the front page.

Preparation of Mark Sheets.

Except for the subjects with a single question paper, final marks of two papers will not be calculated within the evaluation board this time. Therefore add separate mark sheets for each of the question paper. Write paper 01 marks in the paper 01 column of the mark sheet and write them in words too. Write paper II Marks in the paper II Column and right the relevant details. For the subject 43 Art, marks for Papers 01, 02 and 03 should be entered numerically in the mark sheets.

For subjects 21 Sinhala language and literature and 22 Tamil Language and literature, paper I marks once entered numerally should be written in words. For the papers II and III enter the detailed marks separately and put the total in each paper in the relevant column.

Final marks for paper I, paper II or paper III should always be rounded up to the nearest whole number and they should never be kept as decimal values.

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
 இலங்கைப் பரீட்சைத் திணைக்களம் இலங்கைப் பரීட்சைத் திணைக்களம் இலங்கைப் பரීட்சைத் திணைக்களம் இலங்கைப் பரීட்சைத் திணைக்களம் இலங்கைப் பரීட்சைத் திணைக்களம்
 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
 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
 புவிமியல் 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.

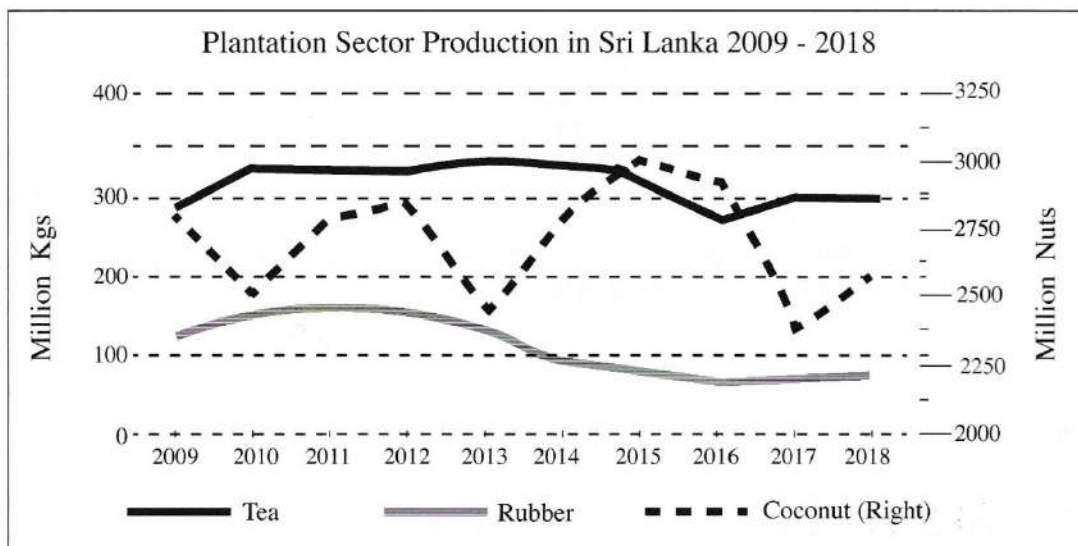
Index No. :

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 about1%..... of the Earth's mass. (1% / 5% / 10%)
- 2.AUSTRALIA..... is the continent located entirely in the southern hemisphere. (South America / Africa / Australia)
- 3. It was ...ARISTOTLE..... who presented an earliest view about the distribution of world climate. (Ptolemy / Aristotle / Eratosthenes)
- 4. 'Norin 10' is a high yielding variety ofWHEAT..... (Paddy / Wheat / Cotton)
- 5. An agro technological park of Sri Lanka is located at GANNORUWA... (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**INDIA**.....
- 12. Among the rivers in Sri Lanka the largest catchment area belongs to the **MAHAWELI**..... river.
- 13.**IGNEOUS**..... 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**GROUND**..... 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 **2013**...
- 17. A higher variability in production is seen in the **COCONUT**..... cultivation sector.
- 18. Relatively a low production in the tea and rubber sectors is shown in the year **2016**...
- 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.

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

20. 'A' **Forest type**
 1. Tropical Wet
 2. Montane Dry
 3. Mangrove
- 'B' **Nature of vegetation**
 A - Plants such as Kirala, Diyakaduru, Ginpol
 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 (4..)

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 (3..)

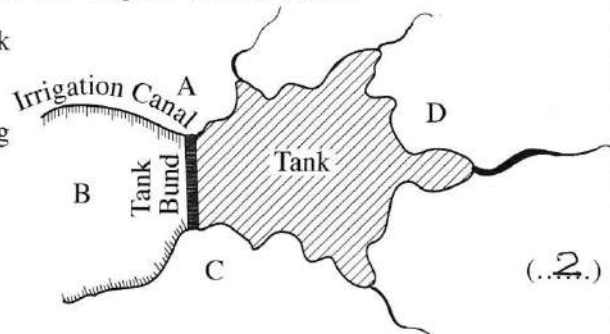
22. 'A' **city**
 1. Shanghai
 2. Karachchi
 3. Cairo
- 'B' **Associated river**
 A - Nile
 B - Sindhu
 C - Hwangho
 D - Yantsikiang
- (1) A, B, C (2) C, B, A (3) D, A, B (4) D, B, A (4..)

● 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 (4..)

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 (1..)

● 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 (1..)

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. (3..)

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. (4..)

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 (3..)
30. What is the Rice Research Institute located in the wet zone of Sri Lanka?
 (1) Bomбуwela (2) Batalegoda (3) Maha Iluppallama (4) Ambalantota (...1..)
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 (.2..)
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 (...2..)
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 (...1..)
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 (.3..)
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 (...1..)
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 (.4..)
- 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 (.2..)
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 (...1..)
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 (.4..)
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 (3..)

61 - Geography - II

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 **(A) – (B)** line?
(Concave slope / Convex slope / Escarpment) (01 mark)
 - (ii) What is shown by letter **(C)**?
(Shrubs / Grasslands / Forests) (01 mark)
 - (iii) What is shown by letter **(D)**?
(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 **(E)**. (01 mark)
 - (v) Name **three** institutions that provide public services found in the area shown in the quadrilateral **(H)**? (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 **(X)** junction to **(Y)** junction is 4 km. (01 mark)
 - (viii) Of the linear scales drawn as **(P)**, **(Q)** and **(R)** 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** – **(A)**, **(B)**, **(C)**
 - (ii) The **Amazon forest** facing the threat of destruction due to the recent wildfire. – **(D)**, **(E)**, **(F)**
 - (iii) **Hong Kong** – **(G)**, **(H)**, **(J)**

(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)

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

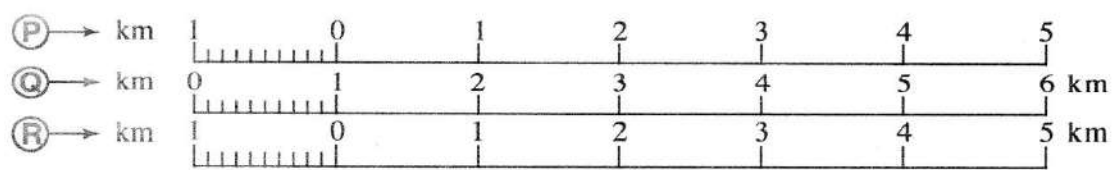
61 II

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 II / புவிமியல் II / Geography II



SCALE : 1 : 50 000



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

අධ්‍යයන පොදු සහතික පත්‍ර (සාමාන්‍ය පෙළ) විභාගය 2019 දෙසැම්බර්

විභාග අංකය

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

සැටලැංකු

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

Index Number

(61) භූගෝල විද්‍යාව II
 புவிபியல் II
 Geography II

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

I. (අ) / (அ) / (a)

(i) Concave

(ii) Forests

(iii) Broad Gauge Single rail Line

(iv) Rubber

(v) Post Office / Court

..... Hospital / School

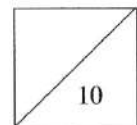
..... Railway Station / Rest House

(naming three)

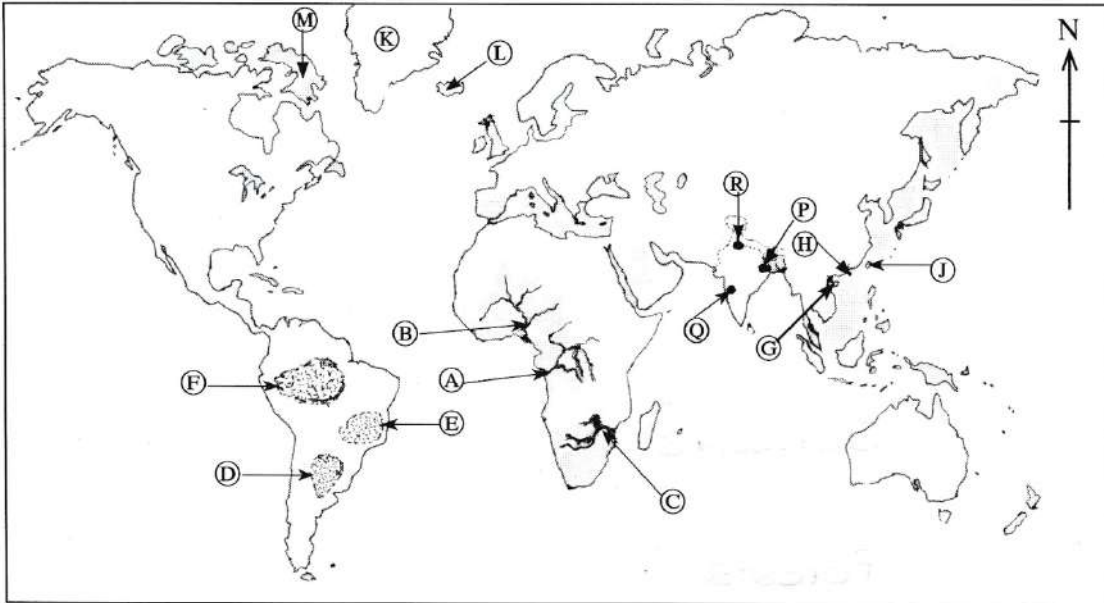
(vi) C

(vii) W

(viii) R

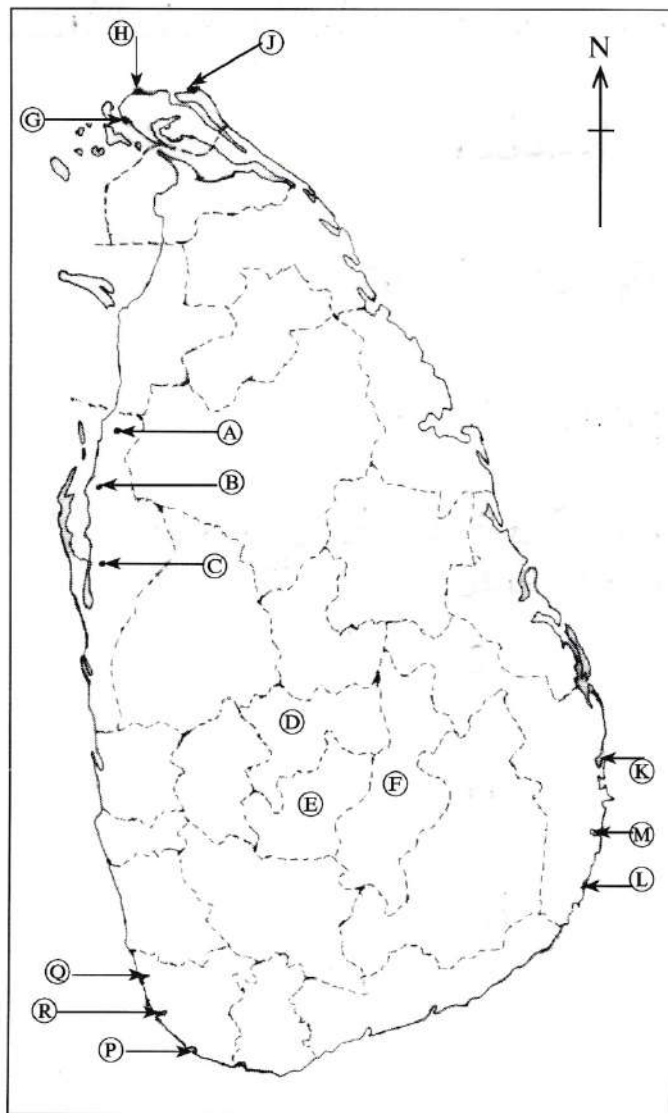


(අ) / (ஆ) / (b)



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

(ආ) / (ஆ) / (c)



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

1. (අ) (ஆ) (a) $\frac{1}{10}$ (ආ) (ஆ) (b) $\frac{1}{5}$ (ඈ) (ஆ) (c) $\frac{1}{5} = \frac{1}{20}$

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)

- (i) (A) Troposphere
- (B) Thermosphere 2 marks

- (ii)
- Releasing waste water from factories to reservoirs
 - Addition and release of various chemicals and carbonic matter into the water, used and released by industries.
 - The mixing of fertilizers and chemicals added to soil in agricultural activities. With the water. (Weedicides and insecticides)
 - Addition of bacteria to groundwater and surface water on the land as a result of the irregular disposal of waste matter and sewage.
 - Disposal of garbage to water resources

3 reasons - 3 marks

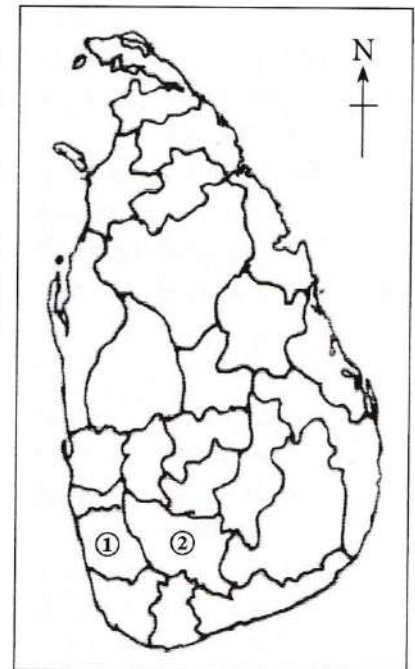
- (iii)
- Loss of animal habitats
 - Destruction of bio-systems
 - Equilibrium of the biosphere has been disturbed
 - Erosion of the surface soil
 - Reduction of soil fertility

3 factors - 03

Explanation - 02

05

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)



- (i) (01) Kalutara
(02) Rathnapura

2 marks

- (ii)
- Lower yield per unit of land
 - Using rubber lands for other purposes
 - Scarcity of rubber tappers (Skilled labour)
 - Fluctuation of prices
 - Competition from substitutes
 - Competition from other countries (Malaysia)
 - High production cost
 - Weather problems

3 problems - 3 marks

- (iii)
- Important as a source of employment opportunities
 - able to reduce the import expenditure by producing necessary rubber products in sri lanka.
 - Helps to enhance the quality of life of the people by creating job opportunities
 - Cause for regional development

3 facts - 03 marks

Explanation - 02 marks

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)

- (i) (01) Mineral oil/petroleum
(02) Coal

2 marks

- (ii)
- High cost
 - Some of the energy sources like solar power depend on environmental factors and a high initial cost has to be spent
 - A high cost is spent for importing crude oil
 - More wastage in consumption of energy
 - Break downs due to natural hazards
 - Environmental pollution
 - Some of the energy resources are facing a repaid depletion.

Three problems - 03 marks

- (iii)
- Saves foreign currency that we spend on importing crude oil
 - Consumption of energy sources sparingly would help to fulfill high demands
 - Contribution to the development of the country
 - It would also contribute towards sustainable development
 - Minimize environmental destruction
 - Minimize the effects of natural hazards and climatic changes

3 facts - 03 marks

Description - 02 marks

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.
- (i) Write down **two** reasons that led to the development of ship-building industry in the European countries in the past . (02 marks)
- (ii) State **three** recent trends in the ship-building industry. (03 marks)
- (iii) (a) In recent times a development could be seen in the boat manufacturing industry in Sri Lanka. Explain **two** reasons for it.
- (b) Describe in brief,
 (I) a problem associated with raw materials
 (II) a problem associated with markets
 in relation to world's manufacturing industry. (05 marks)

- (i)
- The high demand for ships due to explorations by European nations after the renaissance in Europe and for trade, fishing and warfare activities
 - Availability of timber and steel required for ship building
 - Availability of indented coasts required to make shipping docks
 - State patronage
 - There were wealthy people who had the financial power to support for the industry

2 reasons - 02 marks

- (ii)
- The ship production is geared to the type of commodities that ships transport, because there is a high demand for those kinds of ships in the world market (Ex. Bulk carriers, tankers and container ships)
 - Building of ultra-luxury liners for passenger transport
 - Building ships for special purposes (Ex. Ocean exploring / Fishing / Floating Libraries / Floating Hospitals / War Activities')
 - Using new technology (Ex. G.P.S)
 - Using Robotic technology abundantly

Three trends - 03 marks

- (iii) (a)
- Expansion of fisheries activities
 - Development of the tourist sector in sri lanka
 - Traditional experience in boat building using timber in the country helped in building boats of high quality
 - Rising of foreign demand for boats built in sri lanka

2 reasons - 02 marks

- (b) (i) • Exhaustion of raw material due to long term usage
- Use of synthetic raw material in place of natural raw material
(Ex. Synthetic rubber synthetic fiber)
- Dependence of industries upon imported raw material
- (ii) • The market which had been a heritage of the west European countries in the past shifting to the east Asian zone has created economic crises in these counties
- The rise in the cost of commodities with the addition of the cost of advertisements to the price of such goods due to competitive markets
- Presenting substitutes to the market for various commodities
- Industries in developing countries has the problem of facing against the competition given by Multinational corporations
- Influence of taxation policies

2 problems - 02

description - 01

03

(a) 02 marks

(b) 03 marks

05 marks

6. (i) Name respectively,
- (a) a sparsely populated area in Africa due to the effects of harsh climatic factors.
- (b) a sparsely populated area in the Asian continent due to the effects of rugged relief. (02 marks)
- (ii) State
- (a) **two** problems encountered by the developing countries due to their rapid rate of population growth.
- (b) **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)

- (i) (a) Sahara desert / Congo forest / Kalahari desert
 (b) Himalaya mountains

(a) **01 marks**

(b) **01 marks**

02 marks

- (ii) (a) ● Scarcity of resources to meet the demands of increasing population
 ● Have to spend more from the national income to maintain the increasing number of dependents
 ● Problem of fulfilling the basic needs
 ● Increase in unemployment
 ● Other socio-economic problems
 (Ex. shortage of food/housing shortage)
 ● Shortage of pure drinking water
 ● Collection of garbage in large amounts
 ● Unfavorable influence on development process

Two problems - 02 marks

- (b) ● Declension of population
 ● Shrinking labor force
 ● Increasing the number of aged population

(a) **02 marks**

(b) **01 marks**

03 marks

- (iii) ● Problems associated with the aged population
 ● Reduction of labour force due to decrease in the lower aged group and the increase in old aged group
 ● variations in the sex-ratio-Females outnumbering males has become the recent trend. - Influence on labour force. Increase in number of dependents

3 problems 03

Explaining one 02

05

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)

- (i) Main objective of regional development is to act towards human welfare minimizing discriminations by utilizing the resources and the physical environment centered in different areas

02 marks

- (ii) • Janasaviya • Samurdhi project • Divineguma • Maga neguma
 • One task for one village programme • Housing development project
 • Rural hydro power projects • Community based water projects • Gamperaliya
 • Gamidiriya project • Dairy farming villages

Naming three projects - 03 marks

- (iii) **Roads**
- Express ways - colombo - matara / colombo - katunayake
 - Peliyagodo - Athurugiriya
 - Colombo - kandy high way
 - Widening and carpeting of existing roads
 - Constructing fly overs
 - Multipurpose transport Centre at makumbura
 - Under ground tunnel ways

Rail ways

- Matara - kataragama proposed railway line
- Improving southern railway
- Reconstructing the northern railway
- Triple line railway from colombo to Ragama

Contribution to the development

- Time saving
- Quick transport service
- Reduction of cost of transport
- Safety transport system
- Able to reduce the fuel consumption

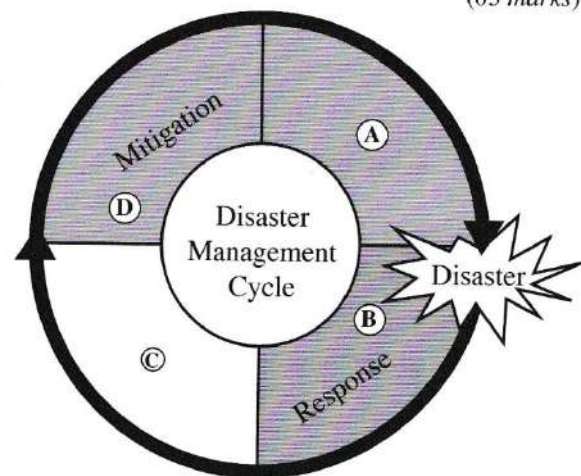
Three measures - 03

Contribution to the development - 02

05

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. (03 marks)
- (A) - Kalutara and Ratnapura
 - (B) - Anuradhapura and Mannar
 - (C) - Kegalle and Nuwara Eliya

- (iii) (a) Name respectively the **two** stages denoted as (A) and (C) in the Disaster Management Cycle diagram shown adjacently. (05 marks)
- (b) Explain with **two** measures how one should act during the stage (B) shown in the diagram.



- (i) • Tsunami • Earth quakes • Cyclones • Lightning • Floods • Drought
 • Volcanoes • Avalanches • Forest fires • Land slides

Naming two - 02 marks

- (ii) A - Flood B - Drought C - Land slides

3 marks

- (iii) (a) A - Preparation
C - Recovery
- (b)
- Assuring the protection of the community subjected to the hazard
 - Providing medical treatments
 - Protection of physical property as much as possible
 - providing temporary lodging
 - Providing food
 - Providing cloths
 - Providing advisory services

(a) **02 marks**

(b) **03 marks**

05 marks