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Department of Examinations, Sri Lanka

2564 – Mulika Piriven Final Examination - 2020 (2021)

(10) Geography - I, II

10 E I, II

Three hours

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.

Geography - Paper I

Index No :

- * This question paper consists of **40** questions. (01 mark \times 40 = 40 marks)
- * Answer **all** questions **on this question paper itself** according to the instructions given for each question.

● For each question from No. 1 to 10 select the **appropriate answer** from parentheses and write it **on the dotted line**.

1. The largest land mass of the earth's surface is known as
(island, continent, peninsula)
2. The air pressure in a particular area is expressed in terms of
(millilitres, millimetres, millibars)
3. Of the world's water distribution about 1% exists as
(saline water, brackish water, fresh water)
4. soil is a soil type limited only to the Dry Zone of Sri Lanka.
(Reddish brown, Alluvial, Red Yellow Podzol)
5. rocks are formed by cooling of the magma that rises from the earth's interior.
(Igneous, Sedimentary, Metamorphic)
6. The main coconut triangle of Sri Lanka is located in the area that connects Colombo, Puttalam and
(Matale, Dambulla, Kurunegala)
7. manufacturing industry is distributed in areas such as Ratthota, Dankotuwa and Balangoda.
(Tile and bricks, Ceramics, Metal products)
8. A large amount of Sri Lanka tea is exported to countries.
(European, Asian, Middle eastern)
9. gas helps preventing the harmful ultraviolet rays that comes from the sun.
(Ozone, Nitrogen, Argon)
10. It is the sutra that tells how the environment could teach lessons to man in return if he acts irresponsibly without any concern to the environment.
(Adhammika, Chakkavatti Seehanada, Vanaropana)

[See page two]

- For questions from No. 11 to 15 read the statement given for each question and circle 'C' if it is correct and circle 'W' if it is incorrect.

11. Natural vegetation is a major factor that contributes to the formation of soils. (C / W)
12. Sri Lanka manufactures high quality boats and exports them to foreign countries.(C / W)
13. The paddy cultivation in the wet zone regions in Sri Lanka is practised with irrigated water. (C / W)
14. An important measure that should be adopted to protect water resources is the conservation of water shed areas. (C / W)
15. Geographical Information Systems (GIS) is used to identify the location of a particular place of the Earth with utmost accuracy. (C / W)

- Complete the questions from No. 16 to 20 by filling the blanks with suitable words.

16. Bay of located east of Sri Lanka is a region where cyclones are formed.
17. forests are widely distributed in the cold climatic regions of the World.
18. could be cited as an example for a Strict Natural Reserve in Sri Lanka.
19. The valuable mineral distributed in the areas such as Elahera, Ratnapura and Okkampitiya is
20. The wind power park integrated into the Electricity Grid of Sri Lanka recently is located in the area.

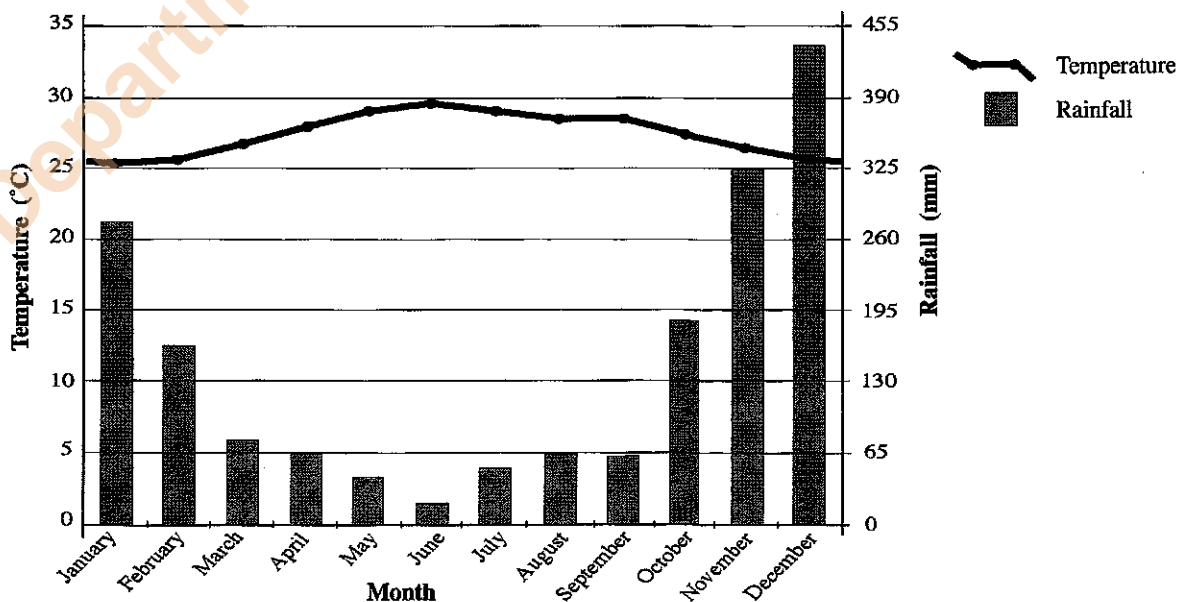
- For questions from No. 21 to 40 select the correct answer for each question and write its **number** in the **parenthesis** given against it.

21. Select the answer that shows only the non-exhaustible resources.
 (1) Sunlight and Air (2) Air and Forests
 (3) Forests and Soils (4) Sunlight and Minerals (.....)
22. What is the island where Etna Volcano is located?
 (1) Gibraltar (2) Tasmania (3) Cicely (4) Iceland (.....)
23. What is the drainage pattern that resembles the distribution of branches of a tree?
 (1) Annular (2) Radial (3) Trellis (4) Dendritic (.....)
24. The minor export crop which is widely distributed in the Western and Southern Coastal areas in Sri Lanka is
 (1) Nutmeg. (2) Cinnamon. (3) Cloves. (4) Citrus. (.....)
25. What is the mineral type which is used to produce paints, pencil figments and explosives?
 (1) Copper (2) Quartz (3) Graphite (4) Limestone (.....)
26. What is the least populated province in Sri Lanka?
 (1) Northern (2) North central (3) Uva (4) Sabaragamuwa (.....)

27. Select the correct answer that contains the two districts vulnerable to floods and drought hazards respectively.
- (1) Polonnaruwa and Gampaha (2) Kegalle and Matale
(3) Kalutara and Kandy (4) Colombo and Hambantota (.....)
28. Select the answer which contains only the countries that belong to temperate climate zone.
- (1) France, India, South Korea (2) France, Italy, Japan
(3) Japan, Brazil, Indonesia (4) Japan, Malaysia, Italy (.....)
29. Of the manufacturing industries given below what is the industry that needs special raw materials, expert labour and a large amount of capital?
- (1) Motor vehicle (2) Ship (3) Aircraft (4) Locomotive (.....)
30. Of the following what is the human activity that highly contributes to climate change?
- (1) Animal husbandry (2) Deforestation
(3) Water pollution (4) Quarrying (.....)
31. The cold climate zone of the World is located within,
- (1) $66\frac{1}{2}^{\circ}$ latitude and the Poles.
(2) $23\frac{1}{2}^{\circ}$ latitude and $66\frac{1}{2}^{\circ}$ latitude.
(3) the area around equator up to $23\frac{1}{2}^{\circ}$ latitude.
(4) the equator and $66\frac{1}{2}^{\circ}$ latitude. (.....)
32. What is the **mostly** affected economic sector due to the spread of COVID 19 epidemic in Sri Lanka?
- (1) Transportation (2) Food crop cultivation
(3) Fisheries industry (4) Tourism industry (.....)
33. What is the type of industry to which the production of Tyre, Coconut oil and Rice flour belong?
- (1) Mining and Quarrying (2) Services
(3) Agro-based (4) Mineral-based (.....)
34. What is the global convention ratified in 1992 with the objective of preventing the emission of Chloro Fluoro Carbon (CFC) into the atmosphere?
- (1) Rio (2) Ramza (3) Montreal (4) Paris (.....)

● Use the following graph to answer the questions from No. 35 to 38.

The Distribution of Annual Temperature and Rainfall in a city of Sri Lanka.



[See page four

35. What is the month with the highest temperature and lowest rainfall in this city?
(1) January (2) June (3) September (4) November (.....)
36. The two months recorded with the lowest temperatures in this city are
(1) January and April. (2) April and June.
(3) August and September. (4) January and December. (.....)
37. Select the answer which contains the two months with rainfall over 300 mm.
(1) January and December (2) January and February
(3) October and November (4) November and December (.....)
38. In which climate zone is this city located?
(1) Highland wet zone (2) Semi-arid zone
(3) Lowland dry zone (4) Lowland wet zone (.....)
- Use the five pairs of factors given below to answer the questions No. 39 and 40.
- | | |
|-------------------------------|----------------------------|
| A. (i) Expressways | B. (i) Use of insecticides |
| (ii) Transportation time | (ii) Water pollution |
| C. (i) Educational facilities | D. (i) Birth rate |
| (ii) Literacy | (ii) Population migration |
| E. (i) Altitude | |
| (ii) Air Pressure | |
39. What is the answer with the pair of factors indicating that an increase in the first will result in an increase in the second?
(1) A and E (2) B and C (3) C and D (4) D and E (.....)
40. What is the answer with the pair of factors indicating that an increase in the first will lead to a decrease in the second?
(1) A and B (2) A and E (3) B and C (4) C and D (.....)
- (01 × 40 = 40 marks)

* *



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(10) Geography - I, II

10 E I, II

Geography - Paper II

- * This question paper consists of two parts as I and II.
- * Answer **all** questions given in Part I and **four** other questions in Part II.
- * The total number of questions that should be answered is **five**.
- * Attach **annexures No. 2 and 3** along with your answer script.

Part I

1. (a) Study the 1:50, 000 topographic map section provided to you (**Annex 01**) and answer the questions based on that. In answering use the paper (**Annex 02**) provided to you.

For questions from No. (i) to No. (v) select the appropriate answer from the parentheses.

- (i) What is the land form shown by **(A – B)** line?
(Spur / Valley / Gap) (01 mark)
- (ii) What is the feature shown by letter **(C)**?
(District Boundary / Footpath / Irrigation Channel) (01 mark)
- (iii) What is shown by letter **(D)**?
(Court of Justice / Historical Location / Circuit Bungalow) (01 mark)
- (iv) What is the length of the A 35 highway section running from the main junction to the Northern boundary?
(1 km / 1.75 km / 3.25 km) (01 mark)
- (v) What is the natural vegetation type distributed in the area shown by letter **(E)**?
(Shrubs / Forests / Grasslands) (01 mark)
- (vi) Write the longitudinal value of the location shown by letter **(F)**. (01 mark)
- (vii) Name **two** institutions that provide public services indicate by symbols within the square shown by letter **(P)**. (02 marks)
- (viii) Two statements about the map area are given below. Write down 'C' if they are correct and 'W' if they are wrong.
 - (a) The river running along the eastern boundary of the map area flows in a southern direction.
 - (b) River water as well as tank water are being used for the paddy cultivation in the map area. (02 marks)

- (b) Study the outline map of Sri Lanka (**Annex 03**) provided to you and answer the questions given below.

- Select the **letter** from the map that shows the correct answer from the three English letters given against each question from No. (i) to (v) and write it **in front of each question number** given in **Annex 03**.

- (i) Wilpattu National Park (A, B, C)
- (ii) Menik Ganga (D, E, F)
- (iii) Gampaha District (G, H, J)
- (iv) Nilaveli (K, L, M)
- (v) Minor Exports Crops Research Institute, Matale (P, Q, R)

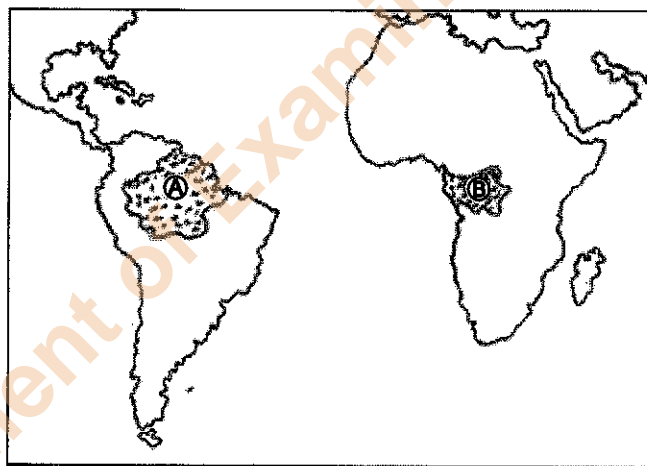
- (c) Study the outline map of the World provided to you and answer the questions given below (See Annex 03).

- Select the **letter** from the map that shows the correct answer from the three English letters given against each question from No. (i) to (v) and write it in front of each question number given in Annex 03.

- | | |
|--------------------------|-------------|
| (i) Andes mountains | (A, B, C) |
| (ii) Mississippi River | (D, E, F) |
| (iii) The United Kingdom | (G, H, J) |
| (iv) Sahara desert | (K, L, M) |
| (v) Japan Sea | (P, Q, R) |

Part II

2. (a) Explain in brief what is 'climate'. (02 marks)
- (b) State **three** factors that affect the climate of Sri Lanka. (03 marks)
- (c) (i) Write down **three** main methods from which Sri Lanka receives rainfall. (05 marks)
- (ii) Explain the time and distribution of **one** of those methods of rainfall. (05 marks)
3. (a) Name the **two** largest tropical rain forests of the World shown as A and B in the adjacent World map section. (02 marks)



- (b) State **three** specific vegetation characteristics found in Tropical Rain Forests. (03 marks)
- (c) State **three** measures that have been taken to protect forests in Sri Lanka and describe **one** of them. (05 marks)
4. (a) Name the **two** continents in which three-fourth of the World's population is distributed. (02 marks)
- (b) State **three** densely populated regions or population concentrations of the world. (03 marks)
- (c) State **three** solutions that can be adopted to minimize the problems emerged due to the uneven distribution of World population and explain **one** of them in brief. (05 marks)

5. (a) How the oceanic zone belonging to Sri Lanka is divided into three major parts is shown in the adjacent map. Name A and B zones shown in the map.

(02 marks)

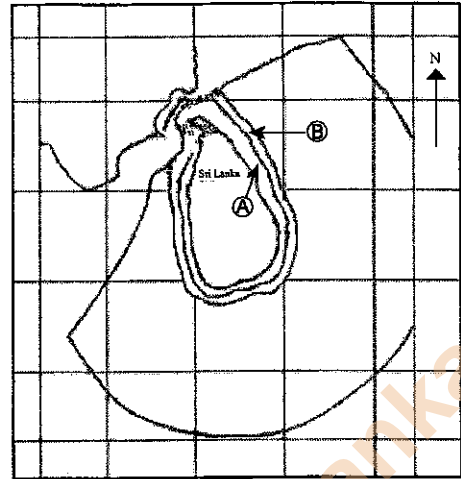
- (b) State **three** factors that have favourably affected the saline water fishing industry in Sri Lanka.

(03 marks)

- (c) (i) Of the industries in Sri Lanka state **three** industries that have been export oriented.

- (ii) Select **one** of them and explain how it contributes to the economic development of the country.

(05 marks)



6. (a) Name the first and second countries of World's iron and steel production respectively.

(02 marks)

- (b) State **three** recent trends in the motor vehicle industry of the World.

(03 marks)

- (c) State **three** environmental problems associated with manufacturing industries and explain in brief **two** suitable solutions for one of them.

(05 marks)

7. (a) State **two** specific characteristics of the plantation agriculture.

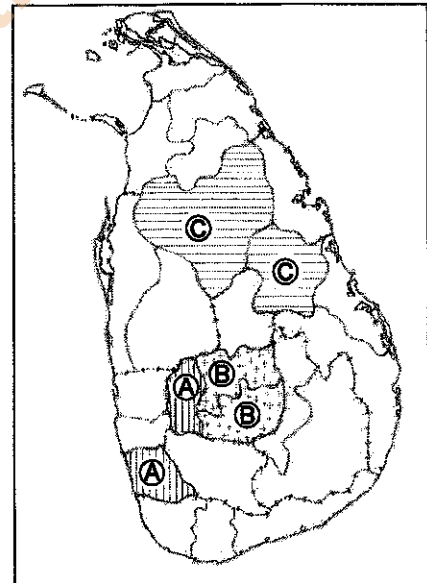
(02 marks)

- (b) In the adjacent map three pairs of districts famous for three major crops in Sri Lanka are shown as A, B and C. State what are those crops respectively as A, B and C.

(03 marks)

- (c) State **three** measures that have been taken by the government to develop paddy cultivation in Sri Lanka and describe the impact of **one** of them.

(05 marks)



8. (a) Explain in brief what is a natural disaster.

(02 marks)

- (b) Classify the hazards given below as

A - Climatic

B - Geological

C - Biological

(Earthquakes, Cyclones, Floods, Crop diseases, Tsunami, Epidemics)

(03 marks)

- (c) (i) State **three** specific characteristics associated with population that have contributed to the rapid spread of corona virus epidemic in the Western Province of Sri Lanka compared to that of in other provinces.

- (ii) Select **one** of these characteristics and explain how it has contributed to the spread of the epidemic.

(05 marks)

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(10) Geography - Paper II

Use this paper to answer the question 1. (a), (b), (c) in part I of paper II. Annex this to your answer script.

Index No. :

Examiner's use only.

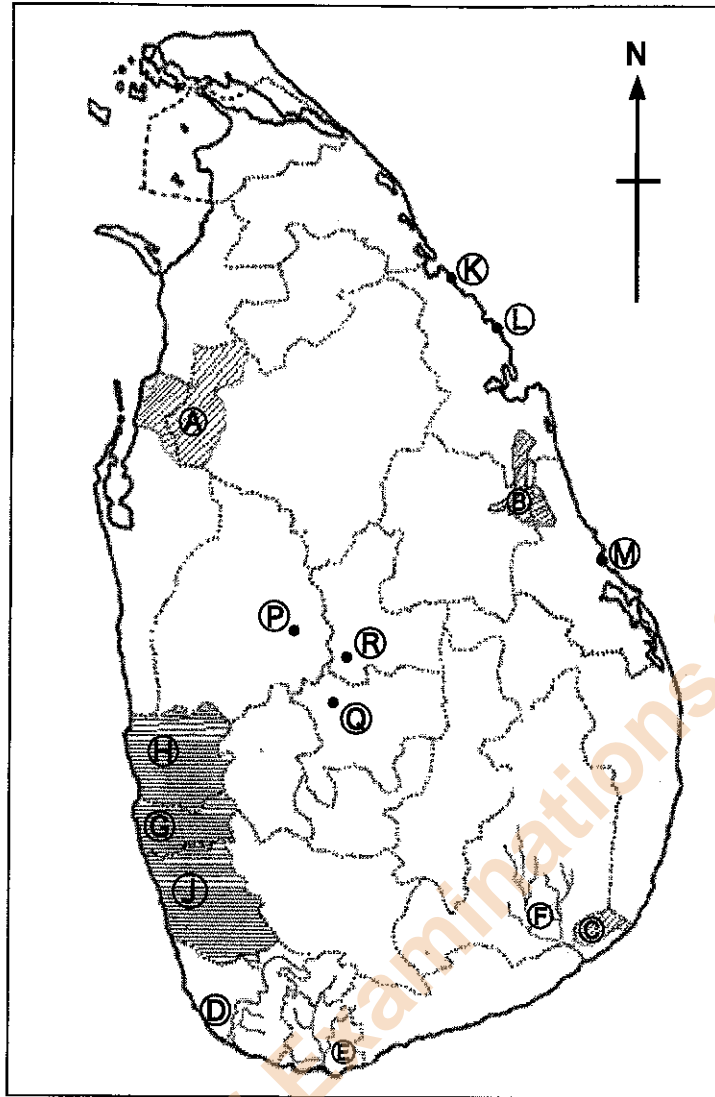
1. (a) (i)
(ii)
(iii)
(iv)
(v)
(vi)
(vii)
.....
(viii) (a)
(b)

☐
☐
☐
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Total Marks

☐
☐

1. (b)



(i)

(ii)

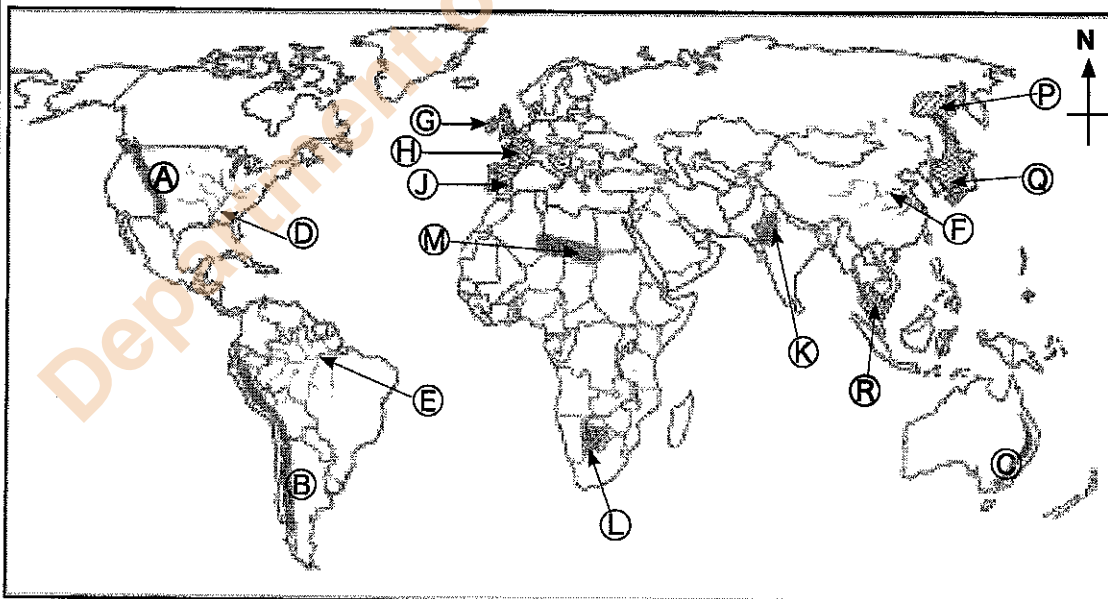
(iii)

(iv)

(v)

5

1. (c)



(i)

(ii)

(iii)

(iv)

(v)

1. (a)

10

+

5

+

5

20

5

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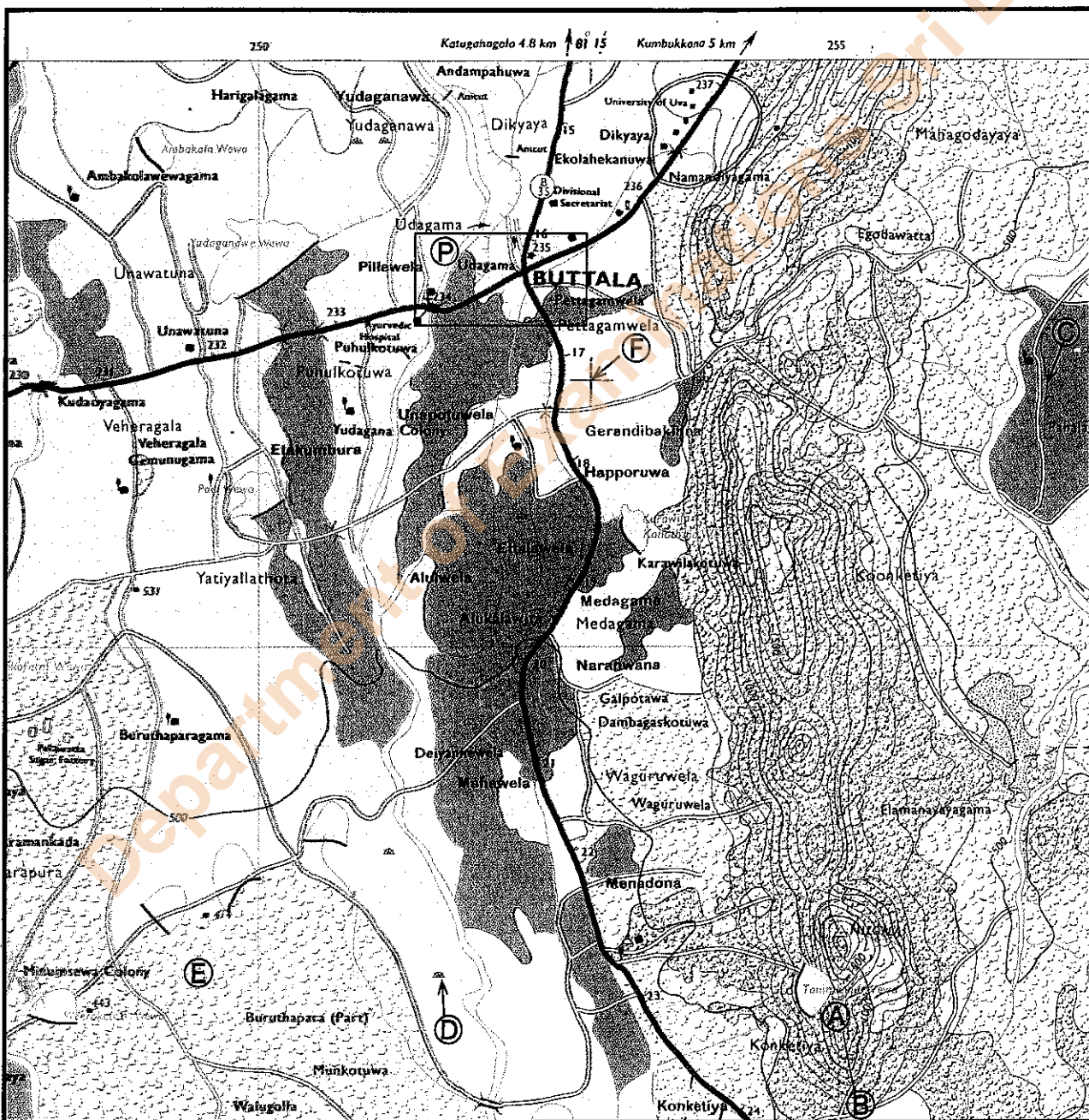
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2564 - මූලික පිරිවෙන් අවසාන විභාගය - 2020 (2021)

2564 - Mulika Piriven Final Examination - 2020 (2021)

(10) භූගෝල විද්‍යාව - II පත්‍රය / Geography - Paper II

1. (අ) භූ ලක්ෂණ සිතියම් කොටස / Topographic Map Section



Scale 1:50 000

