



Second Term Test - Grade 12 - 2018

Index No.

Geography I

Two Hours

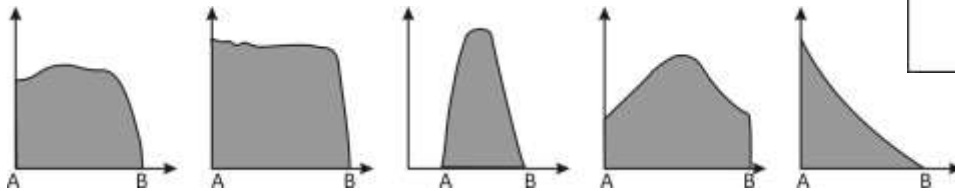
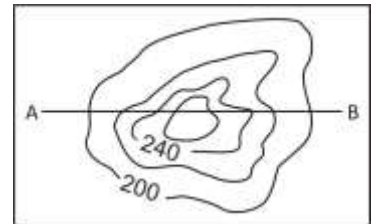
- Answer all the questions.
- Write the correct number of the correct choice in the bracket.

Part - I

- Select the situation in which practical geographical methods are used in information communication.
 - Preparing world meteorological information.
 - Finding route by the travelers who travel in sea and land.
 - In studying changes occurred globally zonally and locally.
 - Identify human environmental problems on earth.
 - Telecasting more information daily. (.....)

- What is the correct distance of 2.5km length road when it present in a topographical map of 1:50000 scale.
 - 4.8 cm
 - 5 cm
 - 10 cm
 - 5.5 cm
 - 12 cm (.....)

- A physical feature that shown in a topographical map is given below. The cross section of A to B when it is drawn is,

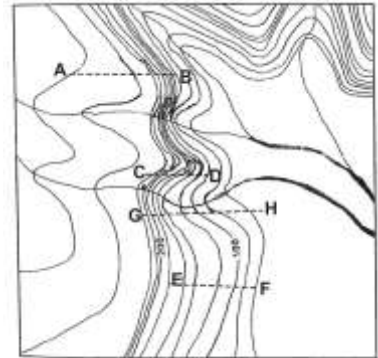


- -
 -
 -
 -
- (.....)

- What is the length and breadth of the area of 6Km and 4 Km land of 1:50000 metric map when it present in a 1:25 000 scale.
 - 24 cm and 16 cm
 - 12 cm and 8 cm
 - 6 cm and 4 cm
 - 3 cm and 2 cm
 - 1.5 cm and 1 cm (.....)

5. Which answer contains only cultural features shown in a metric map.
- | | | |
|------------------------------|---|---------------------------|
| i. river, canal, bridge | ii. Plateau, tank, reservoirs | iii. tank, rail road, dam |
| iv. foot path, river, forest | v. paddy cultivation, rail road, shrubs | (.....) |

6. Select the answer that contain correct order of slopes marked as AB, CD, EF, GH in the map.



- | |
|---|
| i. Concave slope, gentle slope, convex slope, steep slope |
| ii. Gentle slope, convex slope, concave slope, steep slope |
| iii. Convex slope, steep slope, concave slope, gentle slope |
| iv. Convex slope, gentle slope, concave slope, steep slope |
| v. Steep slope, gentle slope, convex slope, concave slope |

(.....)

7. A catchment area is divided in to two drainage pattern by,

- | | | |
|-----------------|-------------------------|----------------|
| i. water divide | ii. Longitudinal valley | iii. tributary |
| iv. main river | v. transverse valley. | (.....) |

8. What is the basic component in a geographical information system.

- | | | |
|-----------------------|-------------------|---------------------|
| i. Computer | ii. Input devices | iii. Output devices |
| iv. Computer software | v. Keyboard | (.....) |

9. The remote sensing method that supply data and information which need for map making is,

- | | | |
|----------------------|--------------------------|-----------------|
| i. Computer | ii. Satellite Technology | iii. Theodolite |
| iv. Digitizing table | v. Magnetic Plate | (.....) |

10. What is the method that can be used in creating the location of a certain town according to a vector data format.

- | | | | | | |
|---------|---------------------|---------------|---------------|----------|---------|
| i. line | ii. density pattern | iii. latitude | iv. Longitude | v. Point | (.....) |
|---------|---------------------|---------------|---------------|----------|---------|

11. Among atmospheric layers, what is the layer that has lowest temperature?

- | | | |
|------------------|-----------------|------------------|
| i. Stratopause | ii. Mesosphere | iii. Troposphere |
| iv. Thermosphere | v. Stratosphere | (.....) |

12. Temperature rises when one goes towards the interior of the earth by,

- | | | |
|--------------------|---------------------|--------------------|
| i. 9 °C to 1 Km | ii. 0.64 °C to 1 Km | iii. 25 °C to 1 Km |
| iv. 6.4 °C to 1 Km | v. 0.9 °C to 1 Km | (.....) |

13. The boundary between sial and Sima layer is,

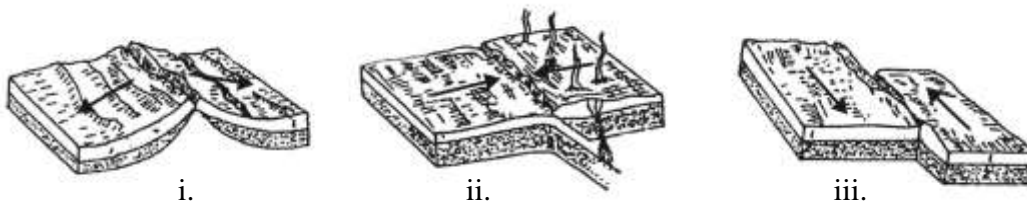
- | | | |
|------------------------------|--------------------------------|---------------------------|
| i. Mohorovicic discontinuity | ii. Condrad discontinuity | iii. Leiman discontinuity |
| iv. Gutenberg discontinuity | v. Asthenosphere discontinuity | (.....) |

14. Chemically precipitated sedimentary rock is,

- | | | | | | |
|--------------|----------|-----------|------------|--------------|---------|
| i. Sandstone | ii. Peat | iii. Coal | iv. Jasper | v. Limestone | (.....) |
|--------------|----------|-----------|------------|--------------|---------|

15. More than 90% of Sri Lanka land is consist of,
 i. Miocene Limestone ii. Pre-Cambrian rock iii. Jurassic Period
 iv. Rocks in Paleozoic period v. Rock in modern Period (.....)
16. The levelling down of land surface and the development of land by exogenic factor is called.
 i. Degradation ii. Deposition iii. gradation
 iv. aggradation v. weathering (.....)
17. What is the non-metallic mineral found in Boralasgamuwa, Metiyagoda, Wasgamuwa areas in Sri Lanka.
 i. Clay ii. Apatite iii. Keolin iv. Feldspar v. Mica (.....)
18. Kondalite and Charnokite are abundantly distributed in,
 i. Vanni Complex ii. Vijayan Series iii. Miocene rock
 iv. highland series v. Jurrassic zone (.....)

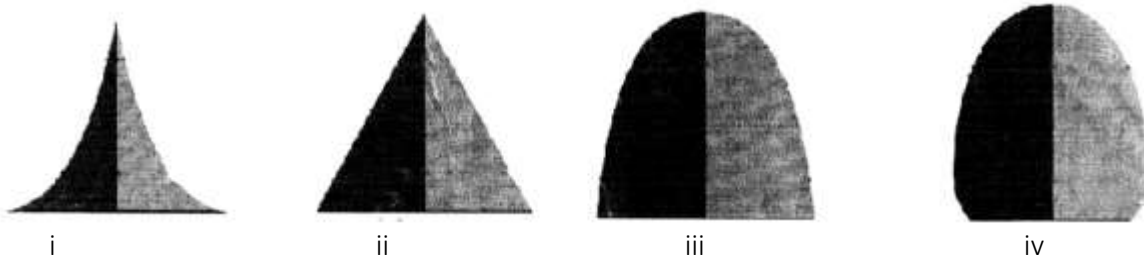
19.



Select the correct order of landforms formed as a result of the movement of plate tectonic process shown in above diagram.

- i. fold mountain, fault, plateau ii. fold mountain, fault, mid oceanic ridge
 iii. fold mountain, mid oceanic ridge, fault iv. fault, fold mountain, mid oceanic ridge
 v. plateau, mid oceanic ridge, fold mountain (.....)
20. In which of the following areas the Miocene limestone rock that belong to tertiary period are found except northern part of Sri Lanka.
 i. Eppawala area ii. Galoya area iii. Andigama area
 iv. Kandy area v. Ankuru Kaduwa area (.....)
21. An important evidence that shows the attention paid by human geography recently on environmental effect caused by human activities is,
 i. Studies of agricultural development ii. Disaster management
 iii. Studies on industrialization. iv. Studies on Urbanization
 v. Studies about development (.....)
22. Which one of the following is an important human factor among the factors influence the unequall distribution of population in the world ?
 i. Climate ii. relief iii. water facilities
 iv. Urbanization v. Natural resource (.....)

23.



Select the answer that contains order of countries which has following population pyramid.

- i. Kenya, Norway, Argentina, Sweden
- ii. India, Sri Lanka, Bangladesh, Norway
- iii. Kenya, India, Argentina, Sweden
- iv. Argentina, India, Sweden, Australia
- v. Kenya, Sri Lanka, Bangladesh, Australia (.....)

24. Select the problems associated with world population that contain malnutrition, diseases, higher child deaths, low life expectancy.

- i. ageing of population
- ii. disability
- iii. Male, female ratio
- iv. poverty
- v. displacement (.....)

25. Select the sequential order of developed countries that have high birth rate according to the UN population report.

- i. Japan, North Korea, Singapore, USA
- ii. Japan, UK, South Korea, Singapore
- iii. South Korea, Japan, Singapore, USA
- iv. USA, Japan, Singapore, South Korea
- v. USA,UK, South Korea, Singapore. (.....)

26. Select a positive impact that gain by the countries of origin in the world migration.

- i. A solution for the high population.
- ii. ability to fulfil job opportunities.
- iii. Ability to maintain economic growth.
- iv. occurrence of cultural diversity.
- v. ability to earn money as migrant labour also pay tax. (.....)

27. The district in which more than one million population live in.

- i. Kegalle
- ii Ampara
- iii. Kurunegala
- iv. Nuwara Eliya
- v. Mathale (.....)

28. Select the district that has high attraction and the district that reports net migration.

- i. Colombo, Mathara
- ii Colombo, Kurunegala.
- iii. Gampaha, Kandy
- iv. Gampaha , Mathara
- v. Colombo, Gampaha (.....)

29. Total percentage of rural population in Sri Lanka?

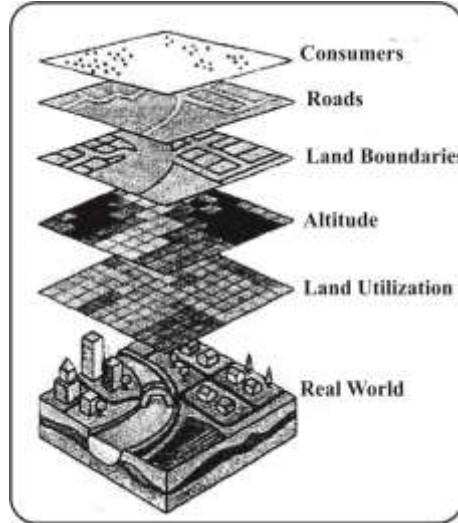
- i. 75%
- ii 80.5%
- iii. 60.7%
- iv. 18.2%
- v. 74.4% (.....)

30. Which criteria displays the 101% population in 2050.

- i. World power indicator.
- ii World food conservation labourforce.
- iii. World labour indicator
- iv. Amount of world refugees.
- v. World ageing indicator. (.....)

03). Cartographical techniques have been changed recently with the use of modern technological method in cartography.

- i. Name three modern technological method used in cartography. (3 marks)
- ii. Describe briefly about one method you mentioned above including how it contribute for map making and its uses. (6 marks)



- iii. A method of storing data in a Geographical Information System is shown here. Explain with reference to 3 facts the importance of above method on map making and practices. (6 marks)
- iv. Mention 2 basic components used in GIS and explain the ways in which they can be used. (5 marks)



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Geography II

Three Hours

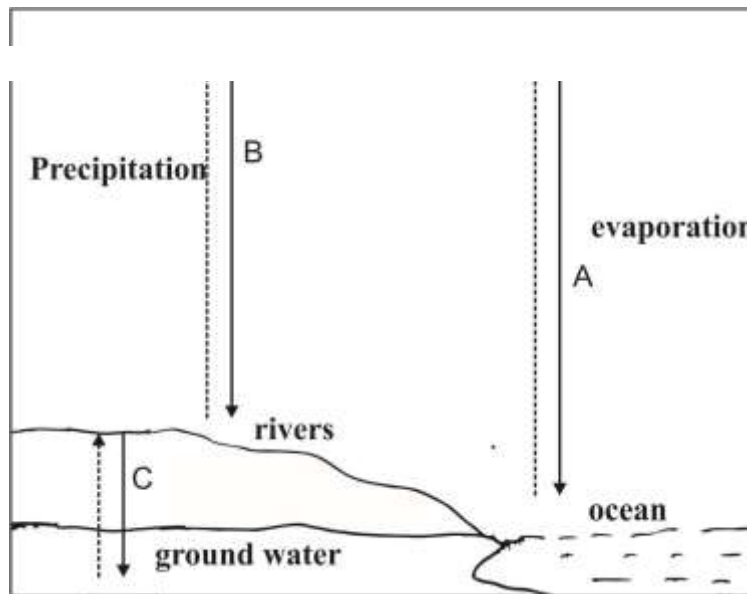
Instructions

- This paper consists two parts.
- Selecting at least 2 questions from each part, answer the 05 questions only.

Part I

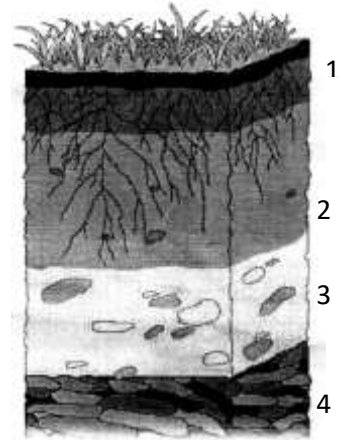
Physical Geography

01).



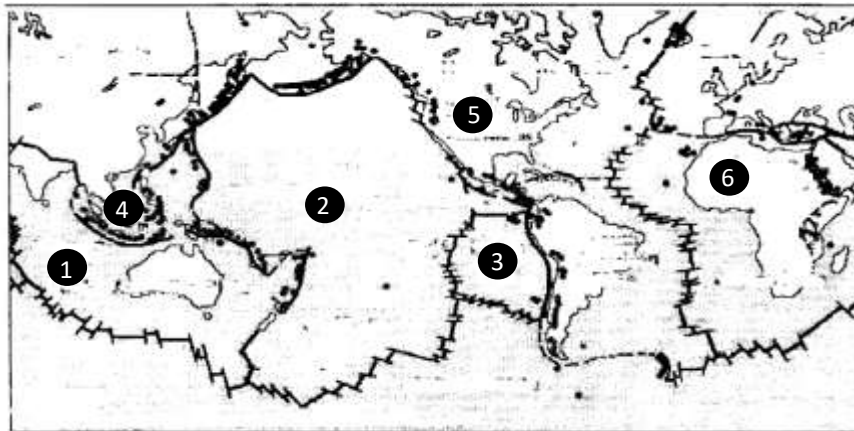
1. Earth hydrosphere has joined with several spheres. Above figure shows how water exchange among those spheres. Name ABC such exchanging methods. (3 marks)
2. Explain the process associated with water exchanging. (6 marks)
3. Describe the short term influences of water cycle on landscape under the following facts. (5 marks)
 - a. evaporation
 - b. precipitation
4. Discuss 3 new steps that have taken for the problems which arisen in dry zone recently. (6 marks)

- 02).
1. Explain briefly the soil formation process. (4 marks)
 2. Explain briefly about soil forming factors mentioned below.
 - i. parent rock.
 - ii. Climate (6 marks)
 3. Name horizons 2 and 4 marked on above soil profile and briefly explain about horizon 2. (5 marks)
 4. Explain three facts about the importance of Soil conservation. (5 marks)



- 03).
1. Name types of landforms according to their magnitude. (4 marks)
 2. Explain briefly about the volcanic activity that occurs as a result of endogenic force. (5 marks)
 3. Describe the formation process of three volcanic land forms with diagram. (6 marks)
 4. Discuss the economical value of volcanic land. (5 marks)

04).



1. According to the plate tectonic theory, name 2 main plates marked as 1 and 2, and two minor plates marked as 3 and 4 in above map. (4 marks)
2. Describe briefly the process that is taking place along convergent plate boundary. (6 marks)
3. Explain the process of plate boundaries on which mid oceanic ridge is formed. (4 marks)
4. Explain with examples 3 environmental damages caused by the plate movements. (6 marks)

Part – II (Human Geography)

Population growth of Sri Lanka

05)

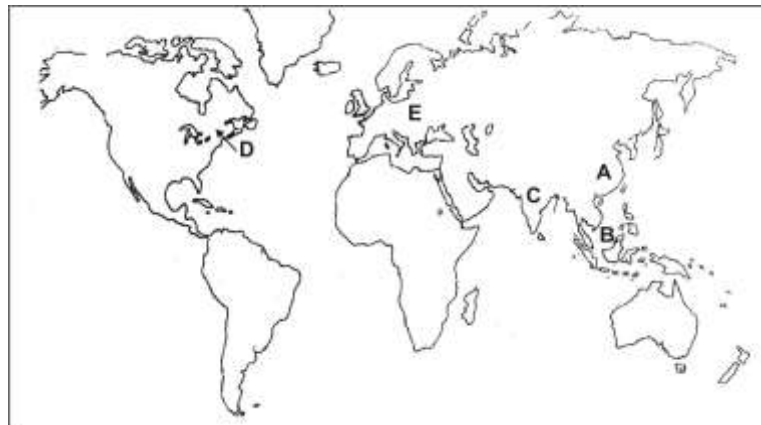
Census Year	Population million	Annual growth rate
1871	2400.4	
1881	2759.8	1.4
1891	3007.8	0.9
1901	3566.0	1.7
1911	4106.4	1.4
1921	4497.9	0.9
1931	5306.9	1.7
1946	6657.3	1.5
1953	8097.9	2.8
1963	10582.0	2.6
1971	12689.9	2.2
1981	14846.8	1.7
2001	18797.3	1.2
2012	20359.4	0.7

Source – Population Thesis, Department of Population and Statistics - 2014

1. Growth of population in Sri Lanka is shown in above table. Write features seen in population growth with growth rate during the period of 1871-2012. (3 marks)
2. Explain briefly the factors that have affected for decreasing growth rate from 2001. (6 marks)
3. Explain 3 reasons that have influenced the increasing in population growth in the districts which belong to western province. (5 marks)
4. Explain with 3 facts that how population growth influence the economy of the country. (6 marks)

06).

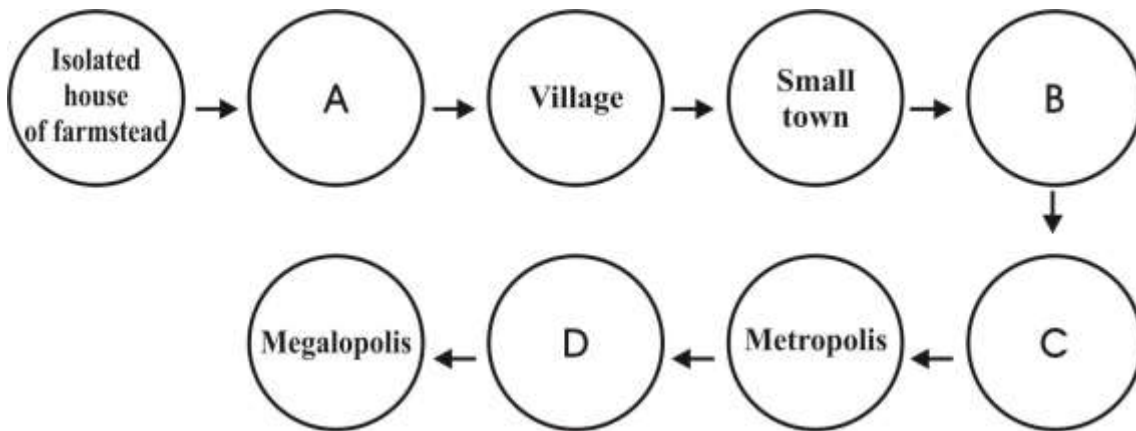
Global distribution of world population is shown in the map below and densely populated areas are marked by A, B, C, D and E.



1. Name densely populated areas marked A, B, C, D, E in the map. (6 marks)
2. Although north – eastern American zone was considered as the primary densely populated area, currently, other zones have come forward. Write reasons. (5 marks)
3. Discuss 3 problems that face due to the increasing of population. (6 marks)
4. Adult population in Sri Lanka is increasing. Explain 2 factors that influence for this. (5 marks)

- 07).
1. Name 4 factors influence the world population dynamism. (3 marks)
 2. Crude birth rate is low in developing countries than developed country. (6 marks)
 3. International migration take place depending on various factors. Explain two such factors. (5 marks)
 4. Describe positive and negative impact of migration for countries of origin. (6 marks)

08). A chart of the world settlement hierarchy is shown below.



1. Name types of settlement marked as ABC and D (6 marks)
2. Explain briefly 3 types of main settlements that can be categorized according to the nature of settlements and function. (6 marks)
3. Explain the human factors that influence the origin with reference to above settlements. (6 marks)
4. Explain the evolution of settlement that exist in various countries in the world based on various period. (4 marks)