



විකුණු අධ්‍යාපන දෙපාර්තමේන්තුව Provincial Department of Education NWP විකුණු අධ්‍යාපන දෙපාර්තමේන්තුව Provincial Department of Education - NWP  
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Provincial Department of Education - NWP

Third Term Test - Grade 13 - 2019

Index No. .... Geography I Time: Three Hours

- Write answers for all the question
- Select the most suitable answer for the questions and write it's number in the brackets given.

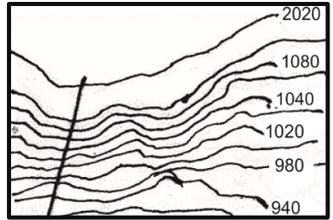
**Part I**

1. Select the answer that shows square centimeter required to represent a forest land of 4km x 2 km (length and width respectively.) in a topographical map of 1:50000 scale.

- i. 32 cm<sup>2</sup>      ii. 8 cm<sup>2</sup>      iii. 16 cm<sup>2</sup>      iv. 2 cm<sup>2</sup>      v. 4 cm<sup>2</sup>      (.....)

2. What is the physical feature shown in the adjacent figure.

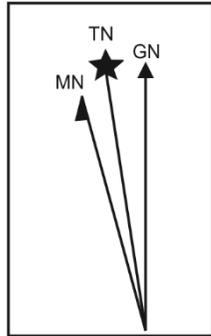
- i. Escarpment  
 ii. Convex slope  
 iii. Concave slope.  
 iv. gap  
 v. pass



(.....)

3. The following figure shows the diagram showing the direction in 1:50000 map. Accordingly in which of the following map, does this consist?

- i. Kurunegala.  
 ii. chilaw  
 iii. Trincomale  
 iv. Galgamuwa  
 v. Ambalangoda



(.....)

4. Select the answer that contain two methods of absolute location in a 1:50000 map.

- i. According to co-ordinate and administrative boundaries.  
 ii. National coordinate and global co-ordinate.  
 iii. Administrative boundaries and adjacent maps.  
 iv. Adjacent map and scale.  
 v. Destination and adjacent map.

(.....)

5. Which answer contains an advantage of oblique aerial photographs in taking aerial photograph as a method of Remote sensing.
- i. Ability to take even at night.
  - ii. Ability to take whole hemisphere at once.
  - iii. Scale is correct everywhere.
  - iv. Optical axis is perpendicular to the earth's surface.
  - v. Features could be clearly seen three- dimensionally. (.....)

6. The diagram shows a user segment of Global Positioning System. (GPS) It is,
- i. a hand receiver
  - ii. Remote controller
  - iii. *GPS* receiver
  - iv. Tab Computer
  - v. a calculator. (.....)



7. Select the answer that contain only advantages of Geographical Information System. (GIS)
- i. Wide knowledge is not required for the usage, low cost, no technical problems.
  - ii. No technical problems, update is easy, usage is easy.
  - iii. Low cost, easy to handle, Knowledge is not required.
  - iv. Ability to study map layers separately, ability to create map three - dimensionally, ability to analyze non spatial data.
  - v. Remote Sensing can be used, higher knowledge is not required, higher storage capacity is needed. (.....)

8.  $Mdn = \frac{n+1}{2}$  formula is used,
- i. To calculate median in an ungrouped data distribution.
  - ii. To calculate median in a grouped data distribution.
  - iii. To calculate the mode in an ungrouped data distribution.
  - iv. To calculate mode in an a grouped data distribution.
  - v. To calculate mean in a grouped data distribution. (.....)

9. What is the most suitable graph for the representation of population composition in a country.
- i. Compound bar graph.
  - ii. line graph
  - iii. Comparative bar graph.
  - iv. line and bar graph
  - v. Simple divided circle. (.....)

10. The answer contain only measures of central tendency.
- i. Standard deviation, mean , range
  - ii. Mode, median, mean
  - iii. Quatile, range, mode
  - iv. Range, quartile, standard deviation.
  - v. Standard deviation, median, mean (.....)

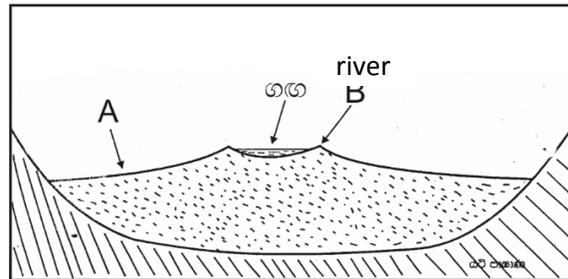
11. The answer that define physical weathering.
- i. disintegration of rocks due to expansion and contraction.
  - ii. disintegration taking place by the reaction with water.
  - iii. weathering taking place by the reaction with water.
  - iv. disintegration of rocks due to human activities.
  - v. washing away the soil by rain water. (.....)

12. Peat, an energy mineral distributed in Sri Lanka except Muthurajuawela is,
- i. Mannar area
  - ii. Thabbowa area
  - iii. Diyathalawa area
  - iv. Puttlam area
  - v. Mullativu area (.....)

13. Select the two processes that support for the erosion and deposition associated with ground water. (Karst)
- i. Abrasion and sweeping.
  - ii. Solution and transportation.
  - iii. Plucking and abrasion.
  - iv. Solution and evaporation.
  - v. Solution and sedimentation.
- (.....)

14. Select the answer that contain climbers in a forest eco-system.
- i. Duuna
  - ii. weniwel
  - iii. Kithul
  - iv. Waldel
  - v. Karanda
- (.....)

15. The letters A and B in the adjacent diagram show two depositional landforms formed at the old stage of a river. They are respectively.



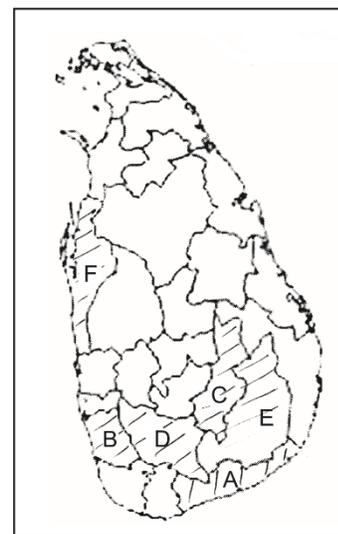
- i. flood plain and river meander
  - ii. River levees and river terraces
  - iii. Flood plain and river cliffs
  - iv. River terraces and river levees
  - v. Flood plain and river levees
- (.....)

16. Which statement is correct regarding 21 June in seasonal changes which occur relatively to the earth's revolution.
- i. Sun rays fall perpendicularly to every latitudes.
  - ii. Sun rays fall perpendicularly to tropic of cancer.
  - iii. Sun rays fall perpendicularly to equator.
  - iv. Sun rays fall perpendicularly to tropic of Capricorn.
  - v. Sun rays fall perpendicularly to Southern hemisphere.
- (.....)

• **Write answers for (17), (18) and (19) questions based on following Sri Lankan map.**

17. The letter that shows the district with low precipitation and located eastern slope of the central highland.
- i. D
  - ii. A
  - iii. E
  - iv. B
  - v. F
- (.....)

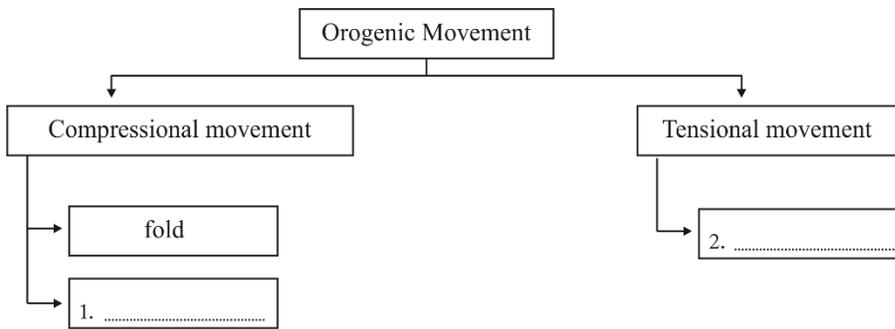
18. The letters that show two districts respectively which are subjected to frequent flooding and landslide natural disasters.
- i. D and B
  - ii. C and A
  - iii. A and F
  - iv. A and B
  - v. A and E
- (.....)



19. The letters that show two districts respectively which belong to semi-arid climatic zone and low country dry zone.
- i. A and C
  - ii. A and F
  - iii. A and D
  - iv. E and B
  - v. B and D
- (.....)

20. The process in which scraping and polishing the earth's surface by the rock and sand particles carried away by the wind in arid areas is known as,
- i. Plucking
  - ii. abrasion
  - iii. attrition
  - iv. Sweeping
  - v. Corrosion
- (.....)

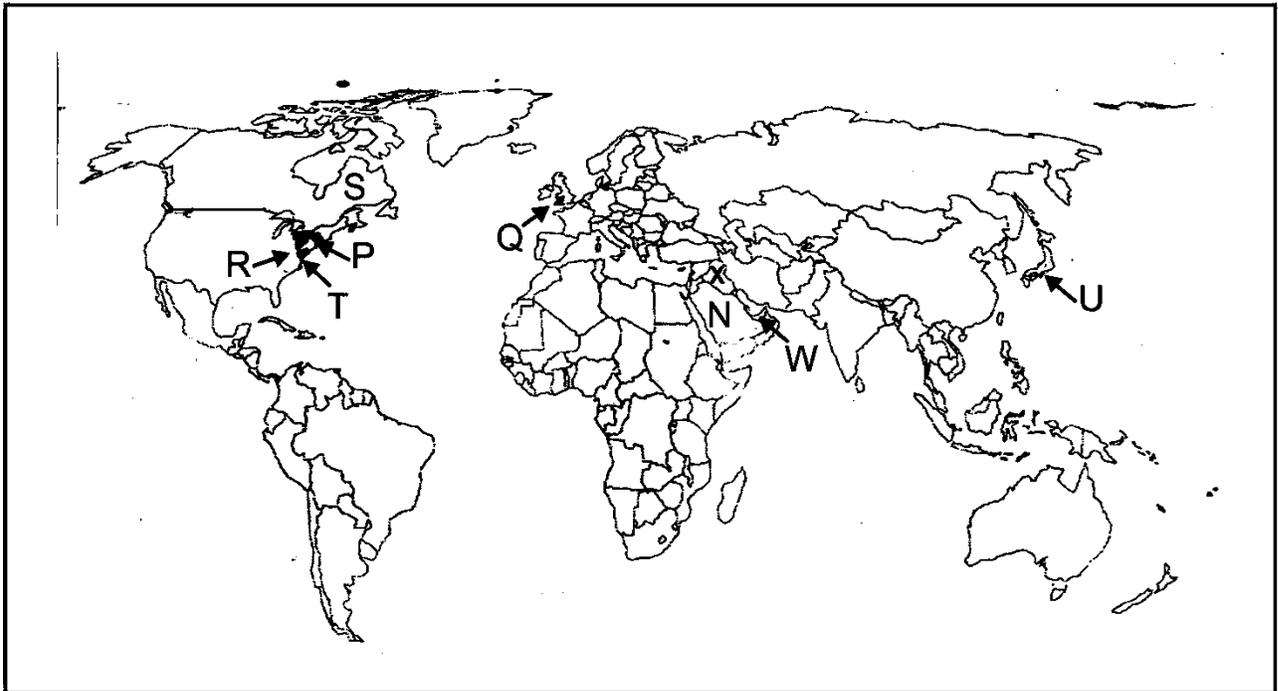
21. Which of the following wetland sites in Sri Lanka included in to Ramsar convention first.  
 i. Muthurajawela Marshy land      ii. Anavillundawa wet land      iii. Bundala Lagoon  
 iv. Madu river      v. Kalametiya lagoon      (.....)
22. What is the reason for blowing wind with a deflection to the right in the Northern hemisphere and deflection to the left in the southern hemisphere in primary and secondary wind circulation?  
 i. Effect of equatorial low pressure.      ii. Pressure gradient  
 iii. Activation of monsoon      iv. Effect of equatorial doldrum.  
 v. Coriolis force.      (.....)
23. Human factor that contributes by 19% emitting greenhouse gases is.  
 i. deforestation      ii. animal husbandry      iii. transportation  
 iv. Industrialization      v. Collecting solid waste      (.....)
24. Select answers for blanks No. 1 and 2 in the chart that shows orogenic movements.



- i. fold and subsidence      ii. ripples and fold.  
 iii. ripples and fault      iv. creeping and fault  
 v. fold and fall      (.....)
25. Select the influence of location of Sri Lanka in proximity to the Bay of Bengal.  
 i. Influence of low pressure belt.      ii. Inward winds without water vapour.  
 iii. Effect of warm and dry wind.      iv. Changes in rainfall pattern.  
 v. Long drought occurs.      (.....)
26. Which organization was the pioneer of Green revolution that originated in 1943 in Mexico.  
 i. Asian Development Bank.      ii. Asian technical institute.  
 iii. International Monetary fund.      iv. Rockefeller foundation.  
 v. Asia Pacific economic commission.      (.....)
27. Select the answer the contain two countries with in the South American region with highest and lowest level of urbanization.  
 i. Uruguay and Tobago      ii. Tobago and Uruguay.      iii. Bolivia and Uruguay.  
 iv. Venezuela and Bolivia      v. Peru and Venezuela.      (.....)
28. Select the answer that contain a sector which is a basic field in globalization as shown by International Monetary Fund.  
 i. Economic Globalization.      ii. Cultural Globalization.  
 iii. Capital and Investment.      iv. Technology  
 v. Political Globalization.      (.....)

29. An area that provides adventurous experiences for the tourists is,  
 i. Pinnawala elephant orphanage      ii Kithulgala area      iii. Sinharaja area  
 iv. Arugambe coastal belt.      v. Sigiriya      (.....)
30. Among the world manufacturing industries, the industry in which skills labour has become an important factor is?  
 i. Cement Industry      ii Iron and steel industry  
 iii. Motor vehicle industry      iv. high-tech industry  
 v. Air craft manufacturing industry      (.....)
31. Descending order of world major iron are exporting countries are,  
 i. Australia, Brazil, South Africa, Canada      ii India, USA, Russia, China  
 iii. Canada, Ukraine, Sweden, Netherland.      iv. Chile, India, Brazil, Australia.  
 v. Brazil, South Africa, Sweden, Iran      (.....)
32. In which of the following Mahaweli Zones, the townships Thambuththegama and Dehiatthakandiya that belong to Mahaweli Development project are located?  
 i. H and L      ii C and G      iii. H and G      iv. H and C      v. H and L      (.....)
33. Which countries have taken the responsibility of the subject areas of formulation of laws and tourism industry in South Asia Co-operative Environmental Programme. (SSACEP) which was started in 1982?  
 i. Sri Lanka and Nepal      ii. Pakistan and Sri Lanka      iii. India and Nepal  
 iv. Iran and India      v. Bangladesh and Iran      (.....)
34. The country which has the highest level of urbanization among the South - East Asian countries is?  
 i. Malaysia      ii Singapore      iii. Indonesia      iv. Vietnam      v. Laos      (.....)
35. Which is calculated dividing number of live birth in a specific year by mid year population and multiply by 1000.  
 i. Crude death rate      ii fertility rate      iii. Crude birth rate  
 iv. sex ratio      v. natural growth rate      (.....)
36. Which is considered as a negative effect of migration faced by the countries of origin.  
 i. A solution to the problem of over - population.      ii A way of earning foreign exchange.  
 iii. Helps diffusing attitudes and skills.      iv. brain drain.  
 v. A solution to unemployment.      (.....)
37. Both birth and death rates are high. Life expectancy is high, population is quantitatively decreasing. These characteristics are found in,  
 i. USA  
 ii Italy  
 iii. China  
 iv. Argentina  
 v. Japan      (.....)

38. The letters that show chipitts megalopolis in the following map are,  
 i. S and T      ii. S and Q      iii. P and T      iv. R and T      v. P and R      (.....)
39. Which letter shows the mother country of Unilever and Merck.  
 i. U      ii. P      iii. T      iv. Q      v. X      (.....)
40. The letter that shows United Arab Emirates among main petroleum exporting countries in the world.  
 i. W      ii. X      iii. Z      iv. Q      v. U      (.....)





- 04) i. Explain briefly the modern cartographical technique that facilities to identify the absolute location and elevation of an object or a feature on the earth. (2 marks)
- ii. Two methods that employed to collect data in remote sensing are given below. Briefly explain speciality of each methods. (3 marks)



- iii. Explain briefly the relationship that exists among three modern cartographic techniques. (6 marks)
- iv. Name two fields where modern cartographic techniques are used and explain them briefly. (4 marks)
- 05) i. Name three central tendency measurement and 3 measures of dispersion. (3 marks)
- ii. Calculate interquartile range using the data in the given table and prepare a list of districts which located first, second, third and above. (4 marks)
- iii. Create a dispersion diagram using data given in the following table. (4 marks)
- iv. Point out two characteristics related to population density that can be identified from dispersion diagram you created. (4 marks)

Population density in few districts - 2013

District	Population density
Colombo	3425
Campaha	1715
Kaluthara	774
Kandy	717
Matale	248
Nuwara Eliya	416
Galle	456
Matara	639

District	Population density
Hambantota	240
Batticaloa	202
Trincomale	349
Kurunegala	265
Badulla	288
Rathnapura	336
Kegalle	498

Source - dep. of Registor General

- 6) i. Graphs are more useful than data table in presenting statistical information. Prove this statement with two facts. (2 marks)
- ii. Create a comparative bar graph using the data given in the following table. (6 marks)
- iii. Write four prominent features about the land area used under plant cultivation from the graph you created. (4 marks)
- iv. Explain with sketch diagram about any other graphical method that is suitable for the presentation of these data except comparative bar graph. (3 marks)

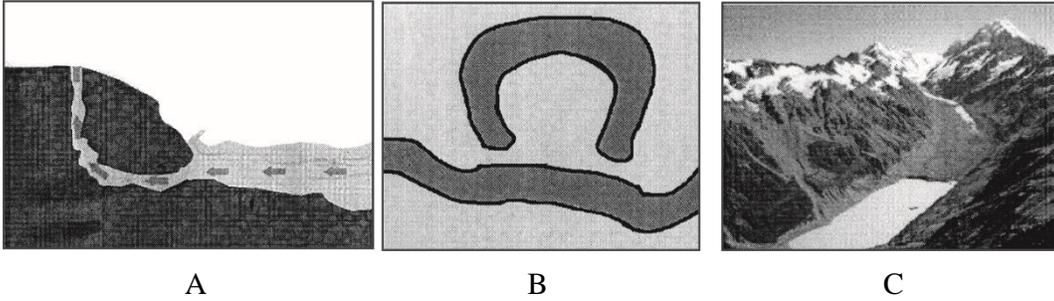
Land areas used for the cultivation of 4 types of plants by department of forest conservation during 2012 - 2015 in Sri Lanka (by hectares)

Plant type	2012	2013	2014	2015
Teak	91	111	138	186
Satinwood	8	8	5	9
Jak	11	14	17	26
Eucalyptus	52	42	33	42

Source: Dep. of forest conservation



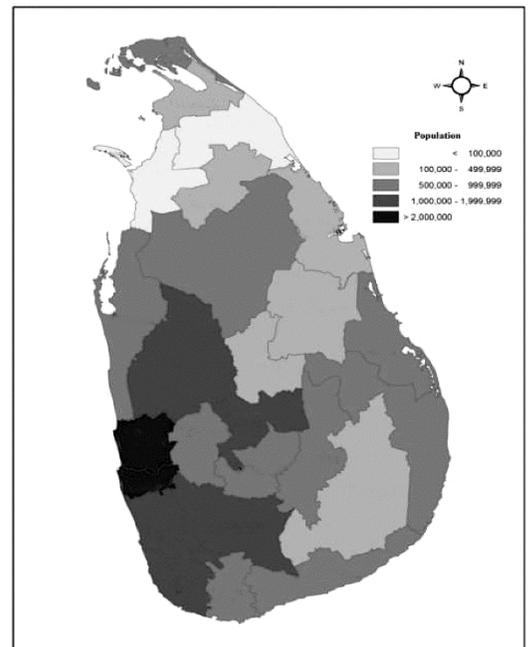
- 03) i. Name exogenic landforms shown as A, B, C and write relevant agent of erosion in front of them. (6 marks)
- ii. Explain erosional process of two agents you mentioned above. (4 marks)
- iii. Explain formation process of landforms you mentioned above. (6 marks)
- iv. Point out the economical value of those two landforms. (4 marks)



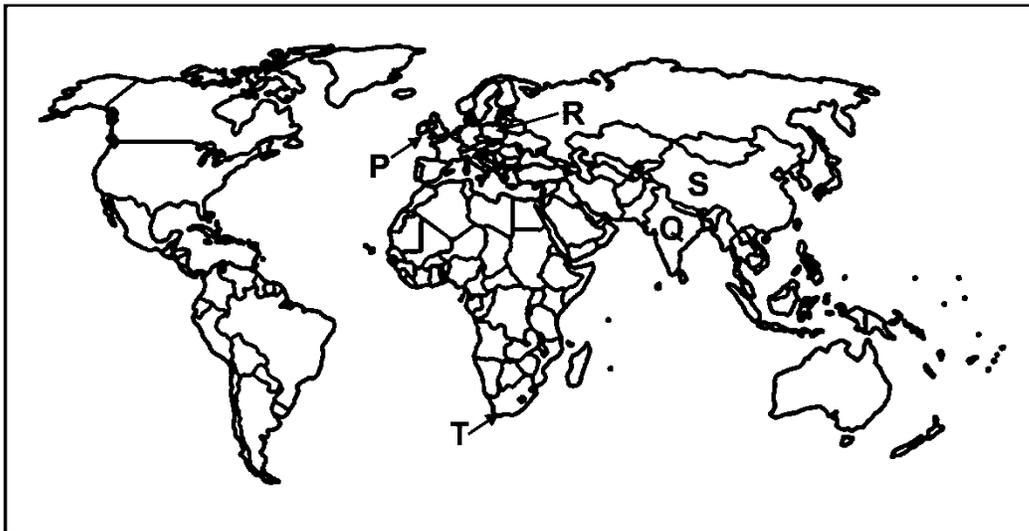
- 04) i. Explain the difference between natural hazards and disaster. (4 marks)
- ii. Including following natural hazards, prepare a natural hazards classification. (4 marks)  
(cyclone , earthquake , tornado , tsunami , wildfire , drought , avalanches , floods , landside , volcanoes)
- iii. Identify natural hazards which intensify the occurrences due to human activities and explain the reasons responsible for that situation. (6 marks)
- iv. Explain with examples the programs functioning in Sri Lanka in order to minimize the intensity of disasters. (6 marks)

## Part – II (Human Geography)

- 05) i. Name 02 districts with highest populated and 02 districts with least populated using following map. (4 marks)
- ii. South west wet zone is densely populated. Explain 03 reasons responsible for that. (4 marks)
- iii. Explain with reference to countries of origin and destination the problem which have to be faced due to internal migration. (6 marks)
- iv. Describe how government has tried to solve problems in urban area. (6 marks)



- 06) i. Name 3 modern technological methods in world agriculture. (3 marks)
- ii. Briefly explain one technological method you mentioned above. (4 marks)
- iii. Point out benefits of modern agricultural technology. (5 marks)
- iv. Modern agricultural technology has been a reason for creating number of social, environmental and health problems. Explain this statement with 4 examples. (8 marks)
- 07) i. Five main tourists arrival countries in 2014 are marked in the following map. Name those countries with letters in order. (5 marks)
- ii. Write two human and two physical factors which attract tourists to Sri Lanka. (4 marks)
- iii. Suggest 04 remedies to revive the tourism industry in this current situation in the country. (6 marks)
- iv. Name 05 tourism zones and write an important factor which affected to attract tourists to each zones separately. (5 marks)



- 08) i. Explain what 'Globalization' is. (3 marks)
- ii. Name 04 main sectors in globalization and explain briefly about one sector. (5 marks)
- iii. Explain with examples contribution of communication technology to globalization. (6 marks)
- iv. Explain the effect of globalization on Sri Lanka under the following topics. (6 marks)
- Economic Globalizations
  - Social and cultural Globalizations
  - Knowledge and technology based Globalizations