

සියලු ම හිමිකම් ඇවිරිණි / All Rights Reserved

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**Provincial Department of Education - NWP**

**තෙවන වාර පරීක්ෂණය - 13 ශ්‍රේණිය - 2023**  
**Third Term Test - Grade 13 - 2023**

විභාග අංකය: ..... **Geography-I** **Time :- 3 hours**

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

**Part - I**

01. Minimum number of satellites required for the function of Global Positioning System (GPS) is ?  
 (i) 07 (ii) 14 (iii) 24  
 (iv) 31 (v) 35 (.....)
02. Select the colours which use for representing features garden, built up area and water hole in a topographic map is  
 (i) Brown ,red , blue (ii) Yellow , pink , blue (iii) Green , pink , blue  
 (iv) Blue , purple , brown (v) brown , red , white (.....)
03. Select the answer which contains special software used in Geographical Information System (GIS)  
 (i) MS Word , QGIS, IDRISI (ii) ILWIS , MS Excel , MS Word  
 (iii) ArcGIS , photoshop , SAGA GIS (iv) IDRISI , ILWIS , GRASS  
 (v) JAVA , VB , HTML (.....)
04. Which answer shows correctly the topographic features given in figures,  
 (i) A. plateau B. conical hill  
 (ii) A. conical hill B. Plateau  
 (iii) A. plateau B. Valley  
 (iv) A. Conical hill B. Spur  
 (v) A . Gap B. Conical hill
- A**

**B**
- (.....)
05. What is the minimum height at which High Orbit Satellites will be installed in Remote Sensing Technology  
 (i) 250 km (ii) 300km (iii) 700km  
 (iv) 1500km (v) 36000km (.....)
06. An advantage of secondary data is,  
 (i) High value of data (ii) time consuming to collect data  
 (iii) Resources and cost are high (iv) Time and data acquisition is low  
 (v) High accuracy of data (.....)

07. Number of centimeters that need to represent 1 km when a topographic map of 1: 50000 scale is enlarged by two fold  
 (i) 0.5 cm (ii) 1cm (iii) 2cm  
 (iv) 3cm (v) 4cm (.....)
08. The difference between the highest and lowest value in a data set is ,  
 (i) Range (ii) Inter quartile range (iii) Median  
 (iv) mode (v) deviation (.....)
09. A graphical method that can be used to represent pairwise data meaningfully.  
 (i) Multiline graph (ii) Double bar graph (iii) histogram  
 (iv) multiple bar graph (v) Scatter diagram (.....)
10. The features accurately represented by following symbols are  
 (i) Hotel, tourist bungalow, rest house  
 (ii) Rest house, trigonometrical station , hotel  
 (iii) Tourist Bangalow , trigonometrical station , rest house  
 (iv) Tourist Bangalow , trigonometrical station , hotel  
 (v) trigonometrical station , hotel , tourist Bangalow (.....)
- 
11. Number of river basins in Sri Lanka ,  
 (i) 80 (ii) 103 (iii) 105  
 (iv) 110 (v) 125 (.....)
12. Two layers of atmosphere in which temperature decreases with altitude  
 (i) Troposphere and mesosphere (ii) Troposphere and stratosphere  
 (iii) Stratosphere and mesosphere (iv) Stratosphere and thermosphere  
 (v) Mesosphere and thermosphere (.....)
13. The president of Disaster Management National Council is  
 (i) Prime-minister (ii) Leader of opposition (iii) The president  
 (iv) The speaker (v) Chief justice (.....)
14. The features seen only in hill country wet zone  
 (i) A Only (ii) B Only (iii) C Only  
 (iv) A and B (v) A and C (.....)
15. The water that has deposited between sedimentary rock layers  
 i. Meteoric water ii. Ground water iii. Magmatic water  
 iv. Connate water v. Soil water (.....)

16. The type of rock seen in fault basin in the areas Thabbowa ,Andigama ,Pallama  
 (i) Jurrassic rock (ii) Miocene rock (iii) Chanokite rock  
 (iv) Gneiss (v) Kondolite rock (.....)
17. The biome highly affected by acid rain  
 (i) tundra (ii) savanna (iii) taiga  
 (iv) Mediterranean (v) tropical rainforest (.....)
18. The answer which consists only sub field of physical geography  
 (i) Economic geography, industrial geography, settlement geography  
 (ii) Climatology, urban geography, oceanography  
 (iii) Urban geography, oceanography, industrial geography.  
 (iv) Glaciology, hydrology, climatology  
 (v) Industrial geography, hydrology, geomorphology (.....)
19. Which answer correctly name the landforms, given in the figure, formed by depositional process of the river.  
 (i) A. Bird's foot delta B. Cuspate delta  
 (ii) A. Estuarine delta B. Arcuate delta  
 (iii) A. Bird's foot delta B. Estuarine delta.  
 (iv) A. Bird's foot delta B. Arcuate delta.  
 (v) A. Arcuate delta B. Bird's foot delta (.....)
- Diagram A: A bird's foot delta, characterized by multiple distributaries that branch out and terminate in the sea, forming a shape similar to a bird's foot. A scale bar indicates 50 km.

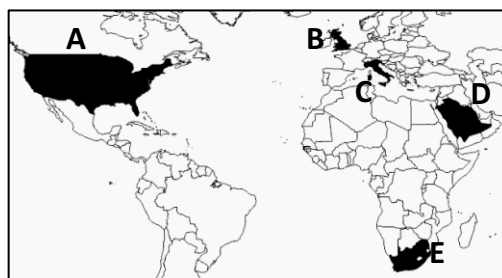
Diagram B: An arcuate delta, where the distributaries are closely spaced and curve inward, forming a smooth, arc-like shape. A scale bar indicates 20 km.
20. The international summit that held to provide instructions to the countries of the World on the control of global warming is  
 (i) Rio summit (ii) Paris summit (iii) Earth summit  
 (iv) SAARC summit (v) Cancun summit (.....)
21. Average atmospheric pressure at sea level is  
 (i) 700 mb (ii) 821 mb (iii) 913 mb  
 (iv) 1000mb (v) 1013mb (.....)
22. The landform created in the oceanic area where an oceanic plate sink under the continental plate is  
 (i) Mid-oceanic ridge  
 (ii) Fault plain  
 (iii) Trenches  
 (iv) Island arch  
 (v) Fold mountain (.....)

23. La-Nina is created in the.  
 (i) South west Pacific ocean area (ii) South East Indian ocean area.  
 (iii) North east Pacific ocean area. (iv) South Atlantic ocean area.  
 (v) East Pacific ocean area (.....)
24. The group of igneous rock which have silica content more than 65% and iron content between 20-25% is  
 (i) basic igneous rock (ii) acidic igneous rock  
 (iii) Ultra basic igneous rock (iv) para basic igneous rock  
 (v) intermediate igneous rock (.....)
25. Two special types of cyclone which occur shortly and locally  
 (i) tornado-typhoon (ii) hurricane-willy-willis  
 (iii) typhon-Bagio (iv) Willy Willis -tornado  
 (v) bagio-hurrycane (.....)
26. The reason for changing the residence district by the 1/3 of internal migrants is  
 (i) Development projects (ii) Jobs  
 (iii) Marriage (iv) Displacement  
 (v) Education (.....)
27. Select the answer that contains tourism zones in order where following cities are located.  
 A. Kandy B. Kataragama C. Rathnapura  
 (i) A. Highland B. East coast C. Southern coast  
 (ii) A. Ancient cities B. Southern coast C. Highland  
 (iii) A. Greater Colombo B. Ancient cities C. highland  
 (iv) A. Ancient cities B. Southern coast C. East coast  
 (v) A. Highland B. ancient cities C. Southern coast (.....)
28. A crop produced by gene technology  
 (i) BG 407 H paddy variety (ii) IR 8 paddy variety (iii) Norin 10 wheat variety  
 (iv) IR 36 paddy variety (v) BT corn variety (.....)

• Answer the questions number 29 -30 using the map given below.

29. Which answer correctly name the countries where 'Exxon Mobil' and 'Aramco', two major companies which control World petroleum production and trade, are located.

- (i) A and B  
 (ii) A and D  
 (iii) B and C  
 (iv) D and B  
 (v) E and A



(.....)

30. Which letter represents a founding member of the European Union ,

- (i) A (ii) B (iii) C  
 (iv) D (v) E

(.....)

31. A trend seen in graphite industry in Sri Lanka is
- (i) Use in extracting Titanium metal
  - (ii) Restrictions are imposed by the government on export
  - (iii) Low cost of production
  - (iv) 99% of production is exported
  - (v) Highest export for Ukraine and German (.....)
32. Most populated zone in the world is
- (i) Africa
  - (ii) North America
  - (iii) Europe
  - (iv) Asia
  - (v) Latin America (.....)
33. The totality of the changes made by the man on the earth's surface is called,
- (i) Environmental landscape
  - (ii) Human landscape
  - (iii) Religious landscape
  - (iv) Physical landscape
  - (v) Temporal landscape (.....)
34. A planned settlement in Sri Lanka.
- (i) fisheries villages
  - (ii) youth villages
  - (iii) Up country villages
  - (iv) wet zone villages
  - (v) estate villages (.....)
35. An advantage of globalization is.
- (i) increase in the opportunities for education and for exchanging technological knowledge
  - (ii) Increasing the income gap.
  - (iii) Deterioration of cultural identity in most countries.
  - (iv) Arising environmental problems.
  - (v) Spread of universal culture based on westernization (.....)
36. The broad based and narrow tops in a population pyramid present
- (i) Population is increasing rapidly
  - (ii) High life expectancy
  - (iii) Natural growth of population is high
  - (iv) Natural growth of population is low
  - (v) Population is stable (.....)
37. Rural settlements according to the growth of settlement hierarchy
- (i) Homestead or farm – hamlet - village
  - (ii) Hamlet – village – small town
  - (iii) Village – town – metropolitan area
  - (iv) Homestead or farm – village -town
  - (v) Town – metropolitan area - megalopolis (.....)

38. A Special Economic Centre which contributes for marketing process of agricultural products  
 (i) Gallewela (ii) Jaffna (iii) Welisara  
 (iv) Bibila (v) Katugasthota (.....)

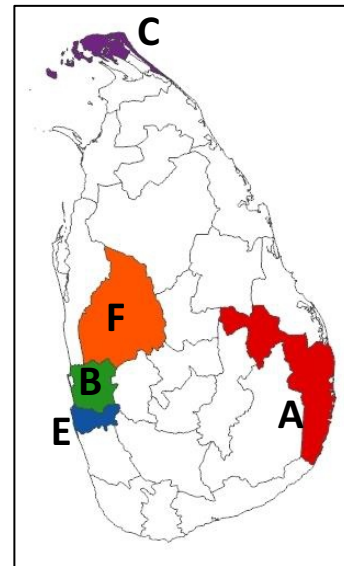
• Answer the questions 39 and 40 with the help of the map given.

39. The letter that shows the district with lowest urbanization.

- (i) A
- (ii) B
- (iii) C
- (iv) E
- (v) F

40. The letter that shows the district which has highest attraction among the internal migration in Sri Lanka.

- (i) A
- (ii) B
- (iii) C
- (iv) E
- (v) F



(.....)

(.....)

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තෙවන වාර පරීක්ෂණය - 13 ශ්‍රේණිය - 2023  
Third Term Test - Grade 13 - 2023

විභාග අංකය: .....

**Geography-I**

- In part II both questions should be answered.
- In part III answers should be provided only for 2 selected questions.

**Part - II**

- 01 . You are provided with a part of 1:50000 topographic map of Morawaka (sheet no. 87), published by the Survey Department of Sri Lanka. Write answers for following questions using the topographic map provided. Contour interval is 20 meters.
- (i) Name boundaries marked by the number 1 and 2 respectively . (2 marks)
  - (ii) Name four cultivation found in mapped area. (4 marks)
  - (iii) Name the natural vegetation and drainage feature marked in the square 3 and 4 respectively. (2 marks)
  - (iv) Name the topographic feature seen in the circle number 5. (1 marks)
  - (v) Explain the relationship between relief and cultivation (5 marks)
  - (vi) Describe with sketch diagram how relief has influenced the distribution of road pattern and settlement (6 marks)
02. Mark and name following things in the World map provided using standard colors, symbols, and letters. (10marks)
- (i) Gulf current
  - (ii) Great dividing range
  - (iii) Atacama desert
  - (iv) Lake Ladoga
  - (v) Taiwan
  - (vi) Bay of Guinea
  - (vii) Katmai volcano
  - (viii) African country that damaged by an earth quake in September 2023
  - (ix) Capital of South Korea
  - (x) The country where was Rugby world Cup held in 2023

**Part III.**

- 03
- (i) Name two main types of maps and write two examples for each (4 marks)
  - (ii) Write advantages and disadvantages of enlarging and reducing a map by scale (4 marks)
  - (iii) Explain the difference between data and information giving examples (3 marks)
  - (iv) Explain briefly two problems of using secondary data (4 marks)
- 04.
- (i) Write a description on 'Space segment' of Global Positioning System (GPS) (3 marks)
  - (ii) Describe a field where Global Positioning System (GPS) technology can be used or is being used in Sri Lanka (4 marks)
  - (iii) Name two type of data format which store data in Geographical Information System (GIS) and explain one of them with suitable diagrams. (4 marks)
  - (iv) Explain two challenges faced in using Geographical Information System by the developing countries like Sri Lanka. (4 marks)

- 05). Table number 01 presents annual rainfall data from 1993 to 2017 in a fictional city. (mm) Write answers for the following questions based on the table. (3 marks)

**Annual rainfall from 1993 to 2017 in a fictional city. (mm) 2005-2017**

year	Rainfall (mm)	year	Rainfall (mm)
1993	2024	2006	2178
1994	1862	2007	1538
1995	1640	2008	1828
1996	1445	2009	1410
1997	1445	2010	1736
1998	1884	2011	1556
1999	1250	2012	1090
2000	1460	2013	1864
2001	2186	2014	1253
2002	1642	2015	1747
2003	1527	2016	1856
2004	1532	2017	1738
2005	1804		

Source: Meteorological Department Data (assumed)

- (i) Create frequency distribution table using data above. Limit number of classes up to six. (4 marks)
- (ii) Create a histogram and frequency polygon using frequency distribution table. (7 marks)
- (iii) Comments on rainfall using calculations in i and graph in ii (4 marks)
06. Table number 02 shows the death caused by Covid according to the continents in the World. (from internet) Write answers for the following questions using the table.

**Table : 02**  
**Number of death caused by Covid according to the continents**

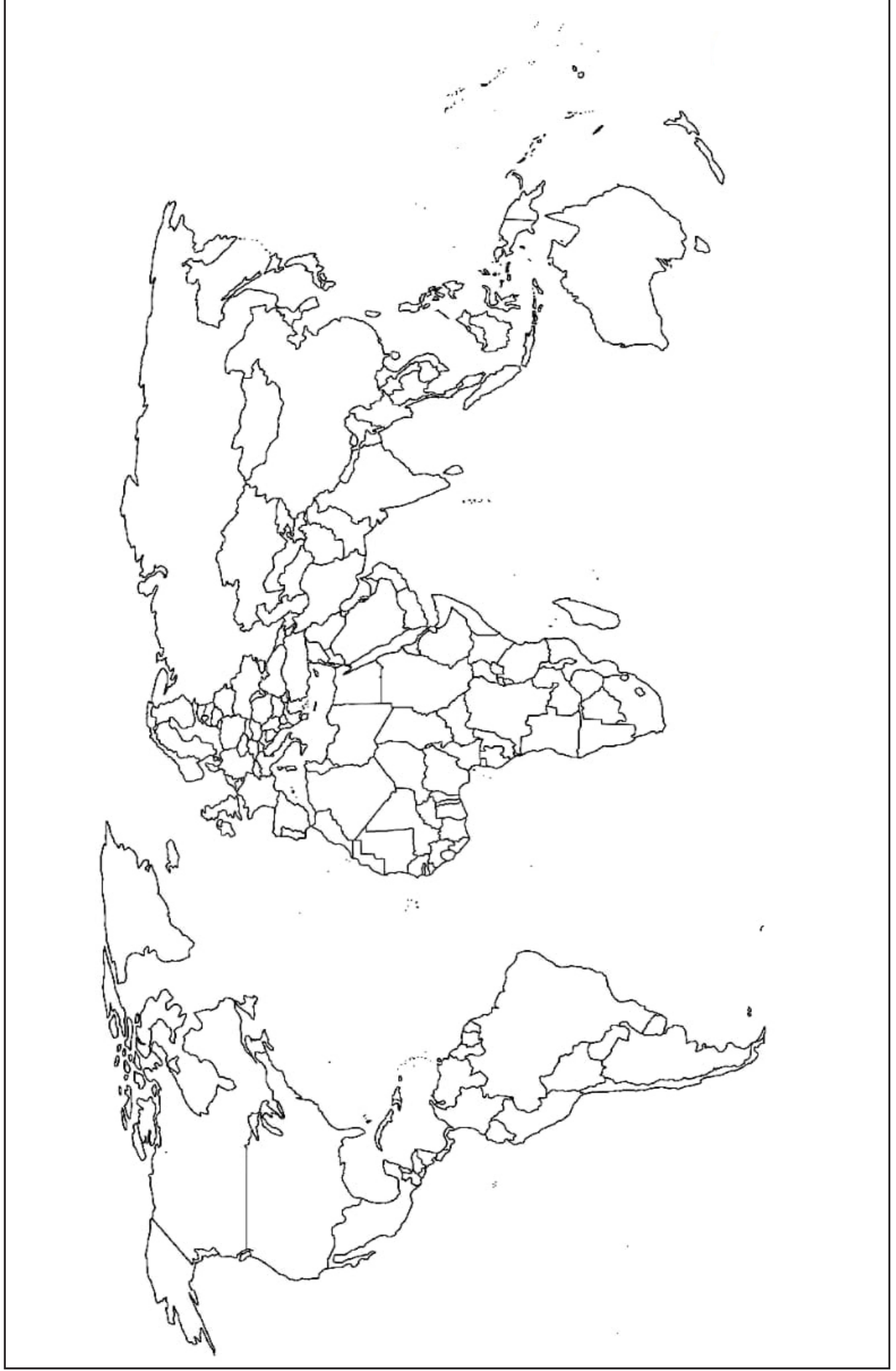
Continents	Number of deaths
Africa	95000
Asia	225000
Australia	15000
Europe	340000
North America	185000
South America	140000

Source: data from internet

- (i) Create a data table required for creating pie chart (divided circle) using the data above. (4 marks)
- (ii) Create a pie chart (divided circle) using the data above. (7 marks)
- (iii) Write 2 advantages and 2 disadvantages of using pie charts to represent data. (4 marks)



**Garde 13 - Geography**



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**Provincial Department of Education - NWP**

**තෙවන වාර පරීක්ෂණය - 13 ශ්‍රේණිය - 2023**  
**Third Term Test - Grade 13 - 2023**

විභාග අංකය: .....

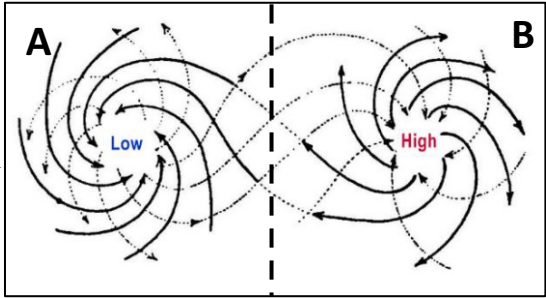
**Geography II**

**Time :- 3 hours**  
 අමතර කියවීමේ කාලය මිනිත්තු 10 යි.

• **Selecting at least two questions from each part write answers for 5 questions only.**

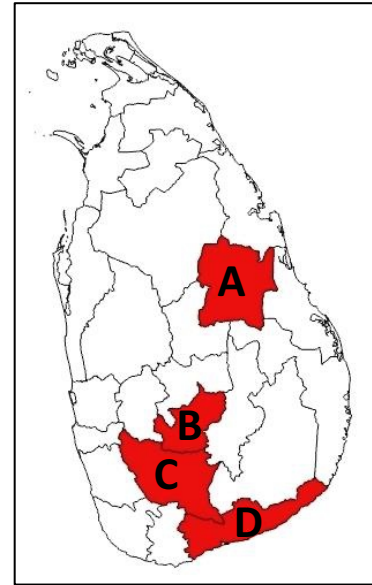
**Part – I Physical geography**

- 01) (i) A) What is a “volcano”. (2 marks)  
 B) Name each volcano located in following countries of the world.  
 • Indonesia • Mexico  
 • Philippine • Japan (2 marks)
- (ii) Explain with diagram the process of creation of three intrusive landforms. (6 marks)  
 (iii) Explain with diagram the process of creation of three extrusive landforms. (6 marks)  
 (iv) Explain with two examples the human activities associated with volcanoes (4 marks)
- 02). (i) Define the following term which used in associated with running water.  
 a. sheet wash b. estuary  
 c. prime river d. water divide. (2 marks)
- (ii) Explain briefly erosional process of a river and explain with diagram a landform formed due to vertical erosion. (6 marks)  
 (iii) Describe with diagram three erosional landforms formed by ground water. (6 marks)  
 (iv). Discuss how human activities affect for the following changes occurred in a process of a river. (6 marks)  
 a. Flooding b. desalination of river water  
 c. falling the level of river water (6 marks)
- 03). Write answers using figure which shows wind types.  
 (i) Name two types of wind shown in the figure. (2 marks)  
 (ii) Explain how these wind types are formed. (4 marks)  
 (iii) A). Write the names of those wind origin in the following areas.  
 a. Area near Japan in the North Pacific ocean  
 b. Area around Australia  
 c. Area around Caribbean sea in Atlantic ocean  
 d. Area around bay of Bengal (4 marks)



- B). Explain with three examples the effect of these wind on physical and human environment (6 marks)  
 (iv) Describe two measures that can be taken to minimize the damage caused you mention above. (4 marks)

04. (i) Name types of environmental systems distributed abundantly in the districts marked in the Sri Lankan map. (2 marks)
- (ii) Explain the characteristics of one of those environmental system under the following heading.  
 -Distribution  
 -Climatic features  
 -Natural vegetation and wild life. (6 marks)
- (iii) Describe with three facts the human effect on environmental system in Sri Lanka. (6 marks)
- (iv) Discuss measures which have taken by the government for the conservation of Environmental system in Sri Lanka (6 marks)



### Part – II Human geography

05.

#### Fertility rate (1981 and 2012)

Age group	Fertility rate per 1000 woman	
	1981	2012
15 - 19	38	36
20 - 24	177	107
25 - 29	226	147
30 - 34	204	118
35 - 39	90	58
40 - 44	28	16
45 - 49	04	02

Source: population report (2013)

- (i) State three features seen in fertility rate in Sri Lanka according to the above table (3 marks)
- (ii) Explain giving examples three reasons for decreasing the fertility rate in Sri Lanka. (6 marks)
- (iii) Discuss three challenges faced by the women in the World due to gender. (6 marks)
- (iv) Explain with two facts how Sri Lankan women contribute to the economic development (5 marks)

- 06). (i) Name three main types of settlement according to the function. (3 marks)
- (ii) Describe with examples three criteria which differentiate rural , urban and rurban settlements. (6 marks)
- (iii) Explain giving examples three globalization features seen in urban areas in developing countries in the World recently. (6 marks)
- (iv) Explain briefly two sectors that the attention should be drawn to solve problems which arise in urban settlements in Sri Lanka. (5 marks)
- 07). (i) Name one countries in each following zone where crude oil is distributed.
- a) middle east zone
- b) Europe
- c) Zone in which Petroleum is being explored (3 marks)
- (ii) Discuss giving examples the characteristics of two types of petroleum and crude oil. (5 marks)
- (iii) Name three salient features of petroleum trade in the world. (6 marks)
- (iv) Explain three problems that have arisen in utilizing petroleum in Sri Lanka recently. (6 marks)
- 08). (i) Name two areas which belong to “Highland tourist zone” in Sri Lanka. (2 marks)
- (ii) Explain briefly following types of tourism which contributes to the development of Tourism industry. (6 marks)
- a. Recreation tourism
- b. Aesthetic tourism
- c. Adventure tourism (6 marks)
- (iii) Explain giving examples 3 unfavorable cultural effects of tourism industry (6 marks)
- (iv) Describe with examples 3 recent trends in tourism industry. (6 marks)