

Time : One Hour

11. 71 % of the total area of the Earth is land and 29 % of the surface of the Earth is covered by oceans. (T/F)
12. Water which receives from precipitation deposited under ground is called surface water. (T/F)
13. The outer core of the structure of the earth consists of liquid metal and the inner core consists of a thick metal. (T/F)

14. There are no continental shelf in every continental boundary in the world. (T/F)

15. The temperature in the North pole is less than the South pole in the Globe. (T/F)

♦ **There are two parts A and B in each question. Match them and write the answer on the given space for question no 16 to 20.**

16. Side A shows the layers of the atmosphere of the Earth and side B shows the boundaries of them.

- | <b>A</b>        |        | <b>B</b>         |                |
|-----------------|--------|------------------|----------------|
| 1. Troposphere  |        | A. 50 Km - 80 Km |                |
| 2. Stratosphere |        | B. 0 - 20 Km     |                |
| 3. Mesosphere   |        | C. 21 Km - 40 Km |                |
|                 |        | D. 20 Km - 50 Km |                |
| 1. BDA          | 2. CBA | 3. DAB           | 4. CBD (.....) |

17. Side A shows the relief features and side B shows the areas that they are located.

- | <b>A</b>            |        | <b>B</b>    |                |
|---------------------|--------|-------------|----------------|
| 1. A large mountain |        | A. Superior |                |
| 2. Largest lake     |        | B. Atlas    |                |
| 3. High platue      |        | C. Andees   |                |
|                     |        | D. Pameer   |                |
| 1. CDA              | 2. BCA | 3. CAD      | 4. ACB (.....) |

18. Side A shows the tectonic plates that belong to the Lithosphere and side B shows the islands that belong to them.

- | <b>A</b>                 |        | <b>B</b>           |                |
|--------------------------|--------|--------------------|----------------|
| 1. Uresian plate         |        | A. Hawaii          |                |
| 2. Indu Australian Plate |        | B. Sri Lanka       |                |
| 3. North American plate  |        | C. Greenland       |                |
|                          |        | D. British islands |                |
| 1. ADB                   | 2. DBC | 3. BAD             | 4. CAD (.....) |

19. Side A shows the river in the world and side B shows the continents that they are belonged.

- | <b>A</b>        |        | <b>B</b>                      |                |
|-----------------|--------|-------------------------------|----------------|
| 1. Kongo river  |        | A. Continent of Europe        |                |
| 2. Indu river   |        | B. Continent of Africa        |                |
| 3. Deniub river |        | C. Continent of Asia          |                |
|                 |        | D. Continent of south America |                |
| 1. CAD          | 2. BDC | 3. ACD                        | 4. BCA (.....) |

20. Side A shows the main climatic Zones in the world. Side B shows the countries that those climates can be seen.

- | <b>A</b>             |        | <b>B</b>             |                |
|----------------------|--------|----------------------|----------------|
| 1. Tropical Climate  |        | A. Philiphine island |                |
| 2. Temperate Climate |        | B. Green island      |                |
| 3. Frigid climate    |        | C. Japanese islands  |                |
|                      |        | D. Newzeland island  |                |
| 1. ACB               | 2. BAC | 3. DCA               | 4. CDA (.....) |

**Complete the blanks using the suitable words for Question No 21 to 25**

21. The temperature decreases by 6.4 °C for every 1000m is called environmental .....

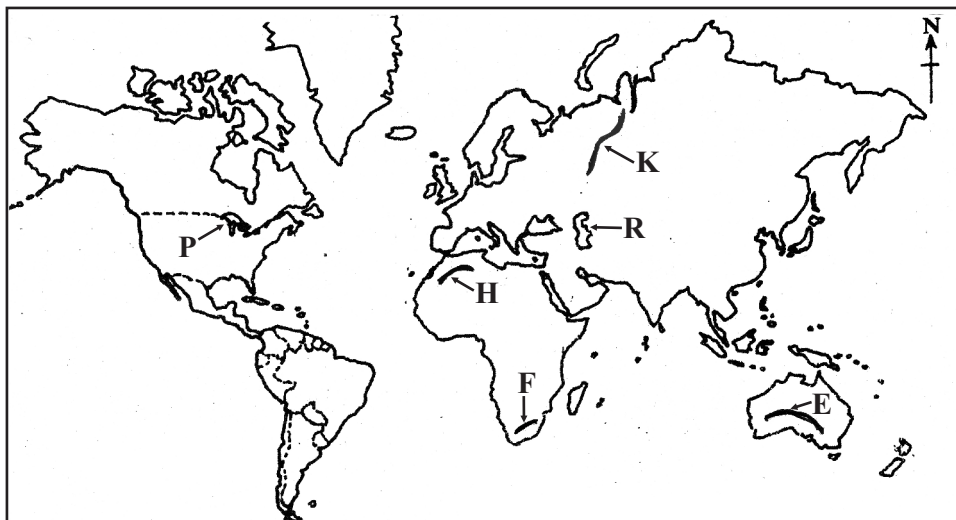
22. .... is in many forms like liquid and solid as in the lithosphere and vapour and clouds as in the atmosphere.

23. Lake Titicaca which is located in the highest place in the world is in the continent of .....

24. A hot season and a cold season with rainfall could be clearly seen in the ..... Zone.

25. Norin 10 is a type of ..... with a developed and high yield crop.

♦ Study the given map of the world and answer the questions for 26 to 28

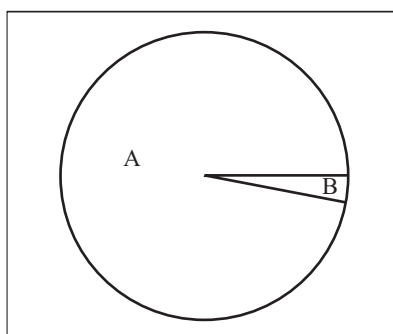


26. The great five lakes in the world is shown by letter .....

27. Ural mountain range is shown by letter .....

28. Nullabar plain is shown by letter .....

♦ Study the given graph on distribution water on the Earth for Question No 29 and 30.



29. Letter ..... shows the water with ice burgs and Glaciers on the Earth.

30. Letter ..... shows salt water on the Earth.

♦ Write the number of the most suitable answer on the given space for question No 31 to 40

31. According to the constitution of gas, the gas that has the 20.95 % in the atmosphere is,

- |             |                   |         |
|-------------|-------------------|---------|
| 1. Nitrogen | 3. Oxygen         |         |
| 2. Hydrogen | 4. Carbon dioxide | (.....) |

32. The process Potosynthesis that helps to the existance of humans is done in the

- |                |                |         |
|----------------|----------------|---------|
| 1. Lithosphere | 3. Atmosphere  |         |
| 2. Biosphere   | 4. Hydrosphere | (.....) |

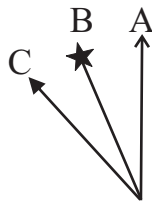
33. The ozone layer which absorbs the ultra violet rays of the sun is located in the,

- |                 |               |         |
|-----------------|---------------|---------|
| 1. Troposphere  | 3. Mesosphere |         |
| 2. Stratosphere | 4. Ionosphere | (.....) |

- 04 -

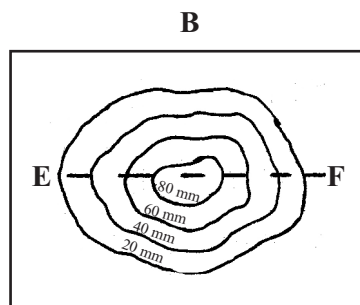
Time : Two Hour

1. How many topographical maps that are used to cover the whole country Sri Lanka according to the 1:50,000 scale ? (1 mark)
2. Select cultural and physical features from the brackets and write them.  
(Mountain range, path, coconut cultivation, river) (2 mark)
3. Name A and B in the following figure showing the directions of North. (2 mark)

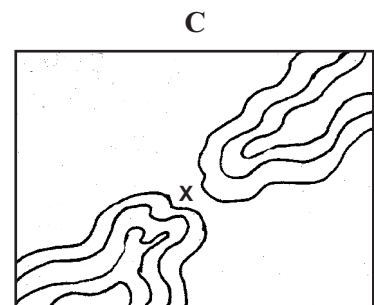


- 

A=P-Q line  
Shows a .....  
(Valley / Spur)

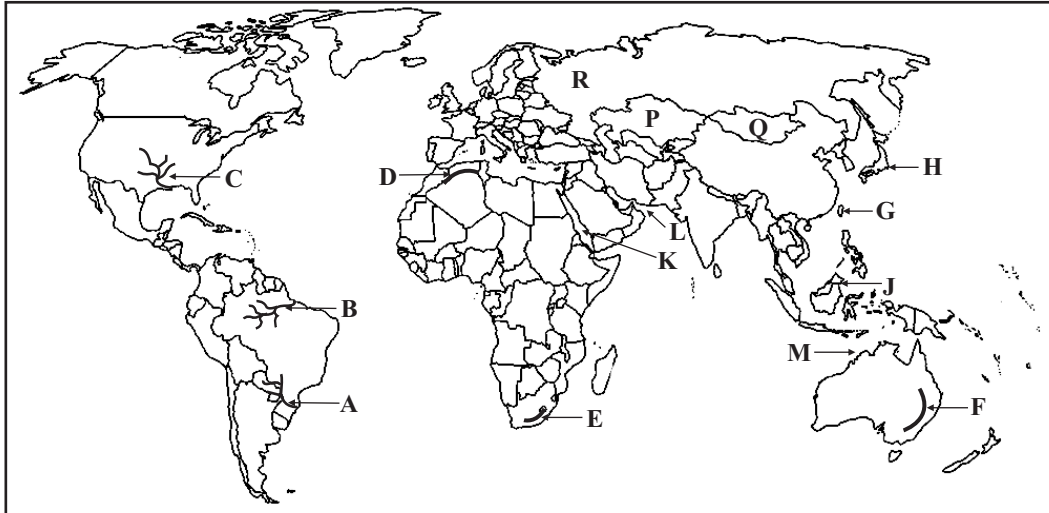


B = E - F Line  
Shows a .....  
(Escarpment/ conical hill)



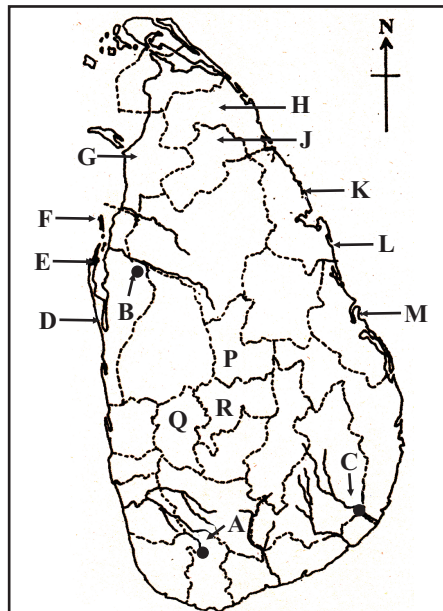
C = Letter 'A'  
Shows a .....  
(gap / Mountain)  
(3 marks)

**B) Study the following map of the world and answer the following questions.**



1. The letter shows the Amerzon river among the letter A, B, and C is, .....
2. The letter shows the great barrier range among the letters D,E and F is, .....
3. The Letter shows the Japan island among the letters G, H and J is, .....
4. The letter shows the Red sea among the letters K,L, and M is, .....
5. The letter shows the 'Russia" among the letter P, Q and R is, ..... (5 marks)

**C) Answer the following questions using the given map of Sri Lanka.**

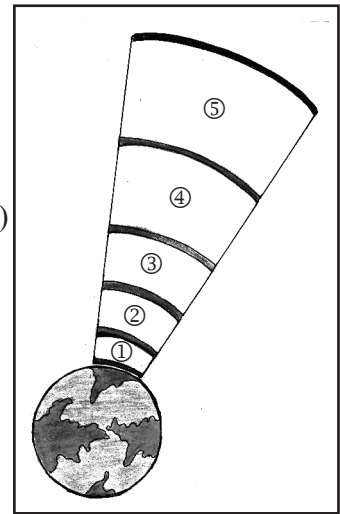


1. The letter shows the Sinharaja Forest among the letter A, B, and C is, .....
2. The letter shows Kalpitiya Penisular among the letters D,E and F is, .....
3. The letter shows Yodha wewa among the letters G, H and J is, .....
4. The letter shows the Pasikuda Beach among the letters K,L, and M is, .....
5. The letter shows the district that the Agro Research Center in Gannoruwa is located among the letters P,Q and R is, ..... (5 marks)

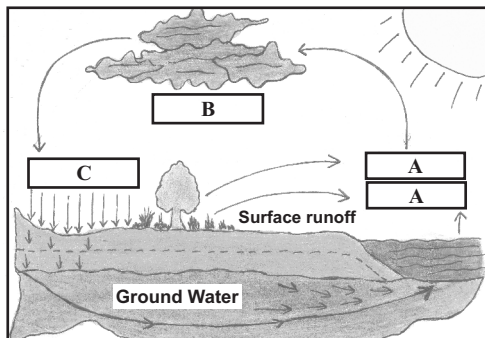
## Part II

- (2) The atmosphere which is the thin blanket of air around the Earth that consists of various gases is a special sub system of the Earth.

- (i) Name the two layers of the atmosphere shown by No. 2 and 3 respectively in this given picture. (2 marks)
- (ii) a) Name the layer shown by No. 4 which can be seen the increase of temperature with the increase in altitude. (3 marks)
- b) Write two special characteristics of the layer shown by No. 01 (3 marks)
- (iii) a) Write 2 uses of atmosphere for the humans. (5 marks)
- b) Write a human activity and a natural activity that add pollute things to the atmosphere.
- c) Explain a step that reduces the pollution of atmosphere. (5 marks)



- (3) Water is essential for the sustenance of all the bio system.



- (i) a) What is surface run off? (2 marks)
- b) What is the quantity of surface water that can be taken for the usage of man? (3 marks)
- (ii) Using the given sketch of the water cycle, Name A, B, C and explain this process briefly. (3 marks)
- (iii) a) At present, the quality of water is deteriorating due to the impact of various human activities. Explain 2 of them. (5 marks)
- b) Explain 2 solution that can be taken to minimize the problems regarding the scarcity of water in near future

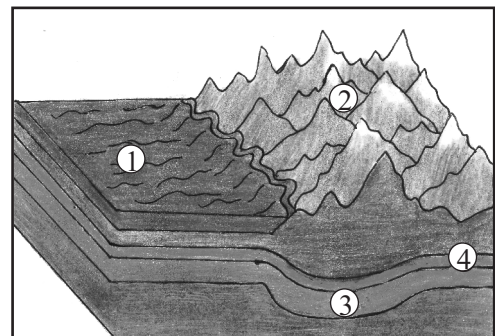
- (4) The total ecological systems integrating plant and animal life which constantly interact with the earth is termed the biosphere.

- (i) Name 2 sub systems that occur the interaction of the biosphere. (2 marks)
- (ii) Write the three boundaries of the above mentioned sub systems with the biosphere. (3 marks)
- (iii) a) Write 2 human activities that affect badly to the existence of the biosphere at present. (5 marks)
- b) Explain 2 steps to avoid above mentioned bad affects.

- (5) Lithosphere which is occurred most of the human activities is the home for living beings.

Following is the structure of the Lithosphere.

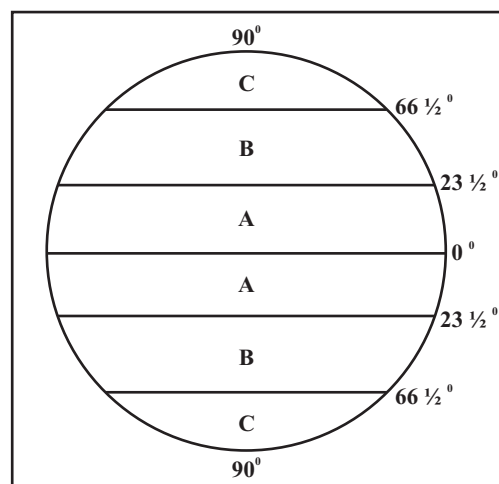
- (i) Name the parts no 1 and 2 that belong to the Lithosphere. (2 marks)
- (ii) a) Name the layer No 03 that belongs to the Lithosphere. (3 marks)
- b) Name the kinds of rocks that are used to create the parts shown by no 1 and 2 respectively. (5 marks)
- (iii) a) Name the discontinuity shown by No. 04 (5 marks)
- b) Explain the uses of layers that are located in the surface of the Lithosphere for humans using 3 facts.





(6) The world is divided into broad climatic zones due to the distribution of temperature that changes according to the latitudinal location of the world.

- (i) a) Name the climate shown in letter A in this given globe.  
b) Name the specific climatic type in above mentioned climatic zone. (2 marks)
- (ii) a) Name the two climatic zones shown by letter B and C  
b) Name the specific climatic type, that can be seen in the climatic zone "B" (3 marks)
- (iii) a) Explain 2 specific features in the climatic type shown in letter "C" briefly (5 marks)  
b) Explain 2 specific features in the climatic type shown in letter "A" briefly (5 marks)



♦ Study the given map of the world for answering the questions No. 7 and 8



(7) There are various physical feature found on the Earth.

- (i) a) Name the sea which is completely surrounded by the land shown in letter A.  
b) Name the deepest trench in the sea shown by letter B (2 Marks)
- (ii) a) Name the volcanic island shown by letter C.  
b) Write an advantage of the location of a country as an island.  
c) Write an occasion that the man uses the oceanic area. (3 marks)
- (iii) a) What is a plateau?  
b) Explain how the plain areas are favourable for human activities using 3 facts. (5 marks)

(8) People were engaged in agriculture to produce food from the ancient times.

- (i) a) Name the area that the paddy is cultivated shown by No. 1  
b) Name the country that the wheat is cultivated shown by No 2 (2 marks)
- (ii) a) Name the kinds of soil that are suitable for tea and wheat cultivation respectively.  
b) Name the country that produce the highest quantity of wheat at present in the world. (3 marks)
- (iii) a) Explain 2 specific features regarding wheat cultivation briefly.  
b) Explain 2 specific features regarding the paddy cultivation briefly. (5 marks)



**First Term Test - 2018**  
**Geography - Grade 10**  
**Answer**  
**Part I**

- |                |                       |
|----------------|-----------------------|
| 1. Mesosphere  | 21. Lapes rate        |
| 2. Climate     | 22. Water             |
| 3. Outter core | 23. South America     |
| 4. Asia        | 24. Temperate         |
| 5. Continents  | 25. Wheat             |
| 6. Nile        | 26. P                 |
| 7. Australia   | 27. K                 |
| 8. Salt        | 28. E                 |
| 9. Paddy       | 29. B                 |
| 10. Asian      | 30. A                 |
| 11. F          | 31. (3) Oxygen        |
| 12. F          | 32. (2) Biosphere     |
| 13. T          | 33. (2) Stratosphere  |
| 14. T          | 34. (1) Asian         |
| 15. F          | 35. (2) Seychelles    |
| 16. (1) BDA    | 36. (1) Austin Miller |
| 17. (3) CAD    | 37. (2) Sahara        |
| 18. (2) DBA    | 38. (4) Madagascar    |
| 19. (4) BCA    | 39. (3) Rubber        |
| 20. (1) ACB    | 40. (2)               |

(1 x 40 = 40 marks)

**Paper II**

- 01 A. (i) 92
- (2) Physical features - Mountain range , river  
 Cultural feature - path, coconut cultivation (2 marks )
- (3) A - Gride North  
 B - True North (2 marks)
- (4) Give marks for suitable answer (2 marks)
- (5) A - Valley B - Conical hill C - Gap (3 marks)
- B. 1. B C. 1. A  
 2. F 2. E  
 3. H 3. G  
 4. K 4. M  
 5. R (5 marks ) 5. R (5 marks ) (10 marks)
- 02)(i) 2 - Stratosphere  
 3 - Mesosphere (2 marks)
- (ii) a) 4 - Thermosphere  
 b) 1. Troposphere
- Important for the process of biosphere
  - atmospheric phenomena including, precipitation, temperature etc.
  - Normal aeroplanes fly (3 marks)
- (iii) a) • Supply oxygen for respiration  
 • help to potosynthesis  
 • Prevents ultra violets rays from reaching the earth  
 • Occur climatic conditions
- b) Natural - Volcanic eruption, Human - burn forests , rubbish (5 marks)
- c) Use garbage to decay not to burn (5 marks)

- (3) (i) a) Part of the water received on the surface of the earth flows as surface run off  
b) 1% (2 marks)
- (ii) A - Evaporation, Transpiration  
B - Condensation  
C - Precipitation  
Should explain the processes (3 marks)
- (iii) a) • add chemicals and fertilizers for crops  
• add waste water from factories  
• add sewage  
b) Minimize the wastage of water,  
increase the quality of water (5 marks)
- (4) (i) Hydrosphere, Lithosphere, Atmosphere (2 marks)
- (ii) Lithosphere - the layer in which the root system of plants spreads and where soil organisms live.  
Hydrosphere - The Ocean bed in which sufficient amount of sunlight penetrates for the process of photosynthesis.  
Atmosphere - The limits where birds fly (3 marks)
- (iii) a) deforestation, soil erosion, destruction of animal habitats.  
b) grow forests, protect ecological systems, protect the soil (5 marks)
- 5) (i) 1 - Oceanic crust  
2 - Continental crust (2 marks)
- (ii) a) 3 - Upper mantle  
b) 1 - Granite rocks  
2 - Basaltic rocks (3 marks)
- (iii) a) 4 - Mohorovicic  
b) including rocks, minerals, soil is in thin layer, used for agriculture (5 marks)
- (6) (i) a) A - Tropical climate  
b) Tropical monsonal climate (2 marks)
- (ii) a) B - Temperate climate  
C - Frigid climate  
b) Temperate climate (3 marks)
- (iii) a) Frigid Climate  
• less rainfall • more snow falls • temperature is low  
b) Tropical climate, high temperature and heavy rainfall through out the year, no winter season,  
Difference in vegetation according to the variation of rainfall (forests, deserts, grasslands)(5 marks)
- (7) (i) a) A - Aral sea  
b) B - Mariyana trench (2 marks)
- (ii) a) C - Iceland  
b) do not arise problems regarding boundaries, boundaries are covered from water, independent,  
protection  
c) for transport, fishing, entertainment, researches (3 marks)
- (iii) a) Plateaus are high flat lands located in a mountainous area.  
b) Various constructions, build settlements, construct roads, cultivation (5 marks)
- (8) (i) a) 1 - Sacromanto valley 2 - Australia (2 marks)
- (ii) a) Tea - Loam lateraite soil Wheat - Chernosom soil  
b) China (3 marks)
- (iii) a) Wheat  
• Grow in a large scale • Use Machinery  
• Have a spreadful market • use developed technology  
• large cultivated lands  
b) Paddy  
• grow in small plots of lands • grow as commercially in some countries  
• Use labour in Asian countries • Use gene technology  
• Use machines at present (Asia) (10 Marks)