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Royal College - Colombo 07
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61	E	I

Grade 10 – Diagnostic Test – August 2022
අනාවරණ පරීක්ෂණය - 10 ශ්‍රේණිය - 2022 අගෝස්තු

කාලය : පැය 1
Time: 1 hour

Geography – I
භූගෝලය - I

Name: - ..... *class: -*..... *Index no: -* .....

Important

- **This question Paper comprises 40 questions.**
- **Answer all question on this paper itself in accordance with the instruction given for each question.**
- **Select the answer given with in brackets the answer that suis the blank in each question from number 1-10 and it on the dotted line.**

(01) The total surface area of the Earth is million Km^2.

(i) 410 (ii) 510 (iii) 610 (iv) 710

(02) The total air content of the atmosphere region that extends up to 5-6 km from the Earth's Surface rs .....

(i) 80% (ii) 70% (iii) 60% (iv) 50%

(03) The temperature decreases by .....for every 1000m, which is known as normal lapse rate.

(i) $0.64C^0$ (ii) $6.4C^0$ (iii) $3.4C^0$ (iv) $0.34C^0$

04) The Ozone layer is located in the layer of the .....

(i) Troposphere (ii) Stratosphere (iii) Mesosphere (iv) Thermosphere

05) The precipitation water that is infiltrated is stored in the earth as .....

(i) Soil water (ii) Ocean water (iii) Surface water (iv) Ground water

06) The total volume of Water on Earth is calculated at ..... million cubic kilometer.

(i) 1386 (ii) 1686 (iii) 1786 (iv) 1886

07) The Second deepest trench in the world is .....

(i) Mariana (ii) Drakensberg (iii) Mindanao (iv) Manchuria

(08) The largest lake in the world is .....

(i) Lake Superior (ii) Lake Titicaca
(ii) Lake Baikal (iv) Lake Ladoga

(09) The pair of Seas Completely Surrounded by land are

(i) Black sea and Arab Sea (ii) Caspian Sea and Arak Sea
(iii) Baltic sea and Red sea (iv) Black sea and Yellow sea

(10) The first idea about distribution of climates in the world was originally put forward by .....

(i) Thornthwaite (ii) Austin Miller
(iii) Aristotle (iv) Keppen

For question 11 to 15 draw a circle around (T) if the Statement is true or draw a circle (F) if the Statement false.

(11) Sangamankanda is the point to measure the width of Sri Lanka. (T/F)

(12) Iceland is an island were created as a result of volcanic activities. (T/F)

(13) The base point of the metric grid system of 1:50000 topographic map of Sri Lanka is located in the Indian ocean (T/F)

(14) "Pangea" was considered as the single continent in early geologic time. (T/F)

(15) Scale is an essential component to read a map. (T/F)

For question no 16 to 20 match A with B and write the correct answer on the dotted line.

(16)

A	B
Gas type	**Percentage**
1) Oxygen	A. 0.00006
2) Carbon dioxide	B. 78.09
3) Ozone	C. 0.03
	D. 20.95

(i) ACD (ii) CDA (iii) ABC (iv) DCA (.....)

(17)

A	B
River	**Origin area**
(1) River Nile	A- From Mountain spring
(2) River Themes	B- From a lake
(3) River Mahaweli	C. From a Spring
	D- Water melting from glaciers

(i) ABC (ii) BCA (iii) BCD (iv) DCB

(18)

A	B
Layers of the atmosphere	**Specific features**
(1) Stratosphere	A- Electric phenomena
(2) Mesosphere	B- Important for the existence of the biosphere Thermosphere
(3) Thermosphere	C- Most of the meteorites burn up and get destroyed.
	D- The gas volume is Very low.

(i) CAD (ii) DAC (iii) ABC (iv) BCD (.....)

(19)

A	B
River Niger	**Ocean that flows in to**
(1) River Niger	A- Arctic Ocean
(2) River Yangtze	B- Atlantic Ocean
(3) River Amur	C- Pacific Ocean
	D- Arctic Ocean

(20)

A	B
Plateaus	**Located continent**
(1) Brazilian Plateau	A- African
(2) Mexican Plateau	B- South American
(3) Bié Plateau	C- North American
	D- Australian

(i) BCA (ii) ACB (iii) BCD (iv) ABC (.....)

For question 21-30 fill in the blanks with suitable words.

(21) ..... are high flat lands located in a mountainous area.

(22) The large land masses which have risen from Oceans are called.....

(23) The whole land area of Sri Lanka which has drawn according to 1:50000 scale Printed in ..... Map sheets for the convenience of use,

(24) The lithosphere consists of ..... that move very Slowly in relation to one another.

(25) Sri Lanka is located from North Latitudes ..... to .....

(26) -7^{0}C temperature is reported in ..... zone.

(27) The Oceanic Crust consists of .....

(28) Aristotle forward the first idea about distribution of climates in the world around .....BC.

(29) The oldest map of the world belonged to ..... Civilization.

(30) According to the 1:50 000 Scale the area of 2cmx2cm square is ..... Cm^2.

- **For Question number 30 to 40 select the correct or the most appropriate answer and write its number on the dots given within brackets.**

(31) Smallest oceans in their magnitudes are

(i) Indian, Southern (ii) Southern, Arctic

(iii) Atlantic, Pacific (iv) Indian, Arctic (.....)

(32) The water interchange between atmosphere and the hydrosphere is known as

(i) Transpiration (ii) Precipitation

(iii) Water cycle (iv) Evaporation (.....)

(33) The Percentage of the Ocean water according to the distribution of water on the earth is

(i) 29% (ii) 79%

(iii) 97.5% (iv) 2.5% (.....)

(34) One of the Non-living components affect the processes in the biosphere is,

(i) decomposers (ii) Animals

(iii) Plants (iv) Soil (.....)

(35) This is not a plateaus area belongs to Sri Lanka

(i) Hatton Plateau (ii) Welimada Plateau

(iii) Bié Plateau (iv) Koslanda Plateau (.....)

(36) The correct answer that shows the inclination of the earth is

(i) $18\frac{1^0}{2}$ (ii) $23\frac{1^0}{2}$

(iii) $25\frac{1^0}{2}$ (iv) $33\frac{1^0}{2}$ (.....)

(37) The length of Sri Lanka is

(i) 224 Km (ii) 432Km

(ii) 448 Km (iv) 332 Km (.....)

(38) The route that connects Europe Countries with Asia and Australia is

(i) Panama route (ii) Suez Canal route

(iii) Inter pacific route (iv) North Atlantic route (.....)

(39) The largest saltwater lake in the world is s

(i) Caspian Sea (ii) Victoria Lake

(iii) Aral Sea (iv) Five great Lake (.....)

(40) A wider opening of the sea protruding towards the land filled with Saline water is known as

(i) Sea cliff (ii) Bay

(iii) Delta (iv) Lagoon (.....)

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Past Papers Wiki

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61 | E | II

Grade 10 - Diagnostic Test – August 2022
අනාවරණ පරීක්ෂණය - 10 ශ්‍රේණිය - 2022 අගෝස්තු

කාලය : පැය 2
Time: 2 hours

Geography – II
භූගෝලය - II

Name: - ..... class: -..... Index no: - .....

- This paper consist of two parts I and II
- The question in part I (question no 1) is Compulsory All two parts of it namely A and B should be answered,
- Four questions in part II should be answered.

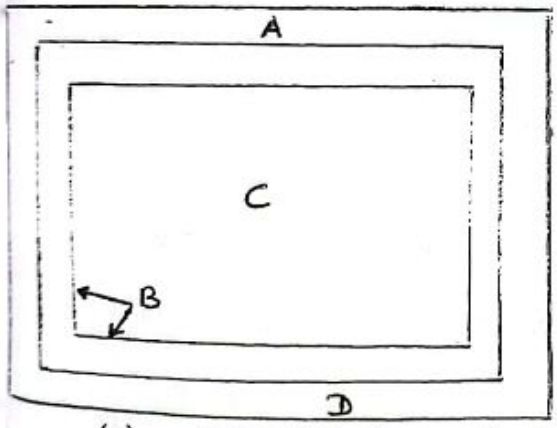
(01) Answer the following question by using following 1:50 000 topographic map.

(A) (i) What is meant by map? (1 mark)

(ii) Write an example for thematic map (1 mark)

(iii) Write following value by using conventional symbols.
* Eight degrees and thirty-two minutes (1 mark)

(iv) Write the name sheets no for 59 and 73 (1 mark)



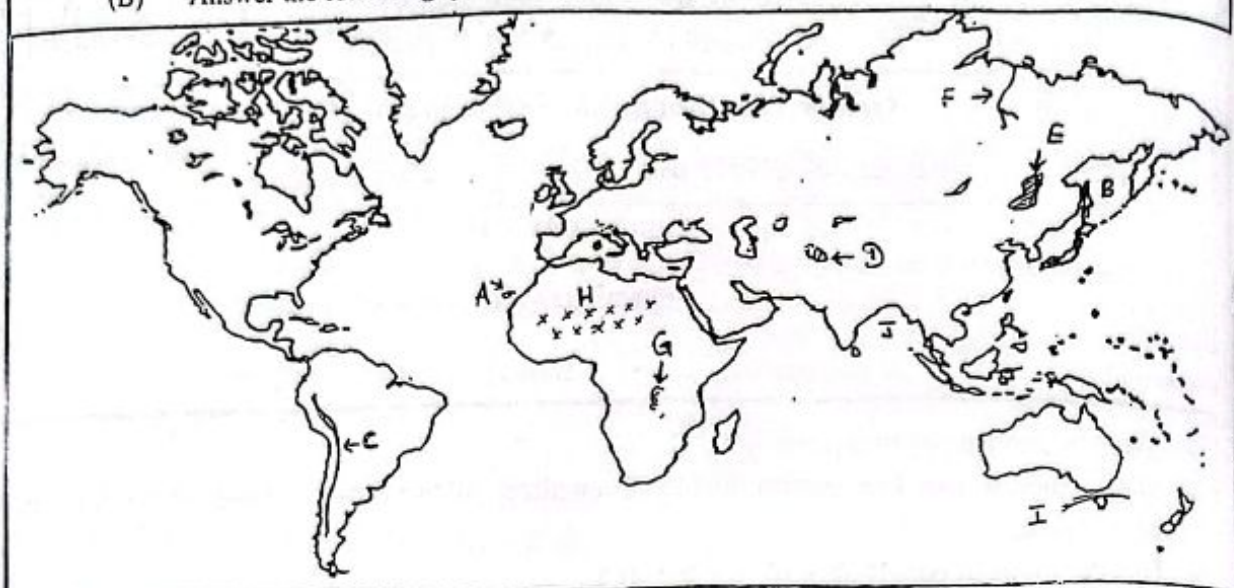


(v) Answer following question by studying following 1:50 000 topographic map.
1) What is the information denoted by letter A in the upper margin of the outer border?
2) What is denoted by letter B?
3) Which letter does denote Physical and cultural features? (3 marks)

(vi) Write length and width of Sri Lanka according to the 1:50 000 Scale. (2 marks)

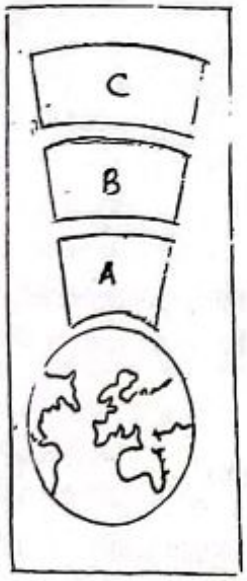
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(B) Answer the following question by referring following world map.



(i) The island is denoted by letter A
(ii) The sea is denoted by letter B
(iii) The mountain range is denoted by letter C
(iv) The plateau is denoted by letter D
(v) The plain is denoted by letter E
(vi) The river is denoted by letter F
(vii) The lake is denoted by letter G
(viii) The desert is denoted by letter H
(ix) The Strait is denoted by letter I
(x) The Bay is denoted by letter J (1x10 =10)

(02) Following picture shows the layers of the atmosphere.



(i) What is meant by the atmosphere? (1 mark)
(ii) a) Name 2 atmospheric phenomena occur in A layer. (2 marks)
b) What is the boundary that separate B and C layers (1 mark)
(iii) a) Write the boundary of the biosphere in the atmosphere (1 mark)
b) "The equilibrium of the biosphere has been disturbed due to the human activities" Explain above statement with two examples. (1 mark)

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(03) (i) Name two parts of the lithosphere (2 marks)

(ii) (a) Write the percentage of the solid water and (b) the percentage of the ground water in the Lithosphere. (2 marks)

(iii) Write 2 uses of lithosphere to the man (2 marks)

(iv) Explain briefly how does the quality of water is deteriorating due to the impact of various human activities. (4 marks)

(04) The following picture shows the distribution of the earth's tectonic plates.



(i) Name A and B plates. (2 marks)

(ii) Who was introduced the theory of tectonic plates? (1 mark)

(iii) Name tectonic plates which belong following Countries.

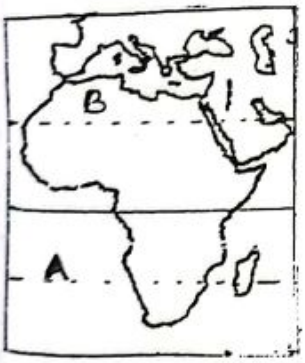
a) Greenland

b) Indonesia

(iv) a) Name two types of movements of tectonic plates.

b) Briefly explain about the theory of continental drift by Alfred Wagner

(05) The following map shows climatic Zones of African Continent.



(i) a) Name latitude denoted by letter "A"

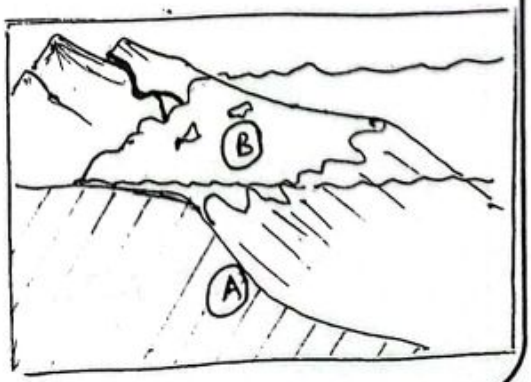
b) Name Climatic zone denoted by letter "B"

(ii) a) Name the season seen in the B zone and write its specific feature. (1 mark)

b) Name the specific feature of climatic type prevalence in the "B" zone. (2 marks)

(iii) Explain how climate affects the human activities in tropical zone. (5 marks)

(06) Following picture shows the Coastal features.



(i) (a) Name A and B (2 marks)

(b) Explain briefly above A and B (2 marks)

(ii) Name 2 island located in Mexican Bay (2 marks)

Explain separately about the advantages of economically and climatically that a country being as an island. (4 marks)