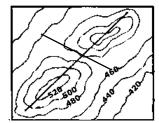
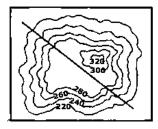
සියලු හිමිකම් ඇවිරිණි / All Rights reserved වයඹ පළාත් අධ්යාපන දෙපාර්තමේන්තුව Provincial Department of Education NWP වයඹ පළාත් අධ්යාපන දෙපාර්තමේන්තුව Provincial Department of Education - NWP වයඹ පළාත් අධනපත දෙපාර්තමේන්තු (Groving in bly septement of Education Department of Education Departme වයඹ පළාත් අධ්නපන දෙපාර්තමේන්තුව Provincial Department of Education NWP වයඹ පළාත් අධ්නපන දෙපාර්තමේන්තුව Provincial Depar වයම පළාත් අධා වා දෙපාර්තම්ප්රව ව අතු in the Department of Education NVP යා East අධාපය ජාර්තම්ප්රව ව Novincia Department of the Education NVP යා East අධ්ය ජාර්තම්ප්රව Novincia Department අධ්ය සහ අධ්ය ජාර්තම්ප්රව Novincia Department අධ්ය සහ අධ්ය ජාර්තම්ප්රව Novincia Department අධ්ය සහ අධ්ය ජාර්තම්ප්රව විශ්ය සහ අධ්ය සහ වයඹ පළාත් අධ්නාපන දෙපාර්තමේන්තුව Provincial Department of Education NWP වයඹ පළාත් අධනාපන දෙපාර්තමේන්තුව Provincial Department of Education NWP වයඹ පළාත් අධනාපන දෙපාර්තමේන්තුව Provincial Department of Education NWP වයඹ පළාත් අධනාපන දෙපාර්තමේන්තුව Provincial Department of Education - NWP වයඹ පළාත් අධ්නාපන දෙපාර්තමේන්තුව Provincial Department of Education NWP වයඹ පළාත් අධ්නාපන දෙපාර්තමේන්තුව Provincial Department of Education - NWP Second Term Test - Grade 12 - 2020 Geography I Three Hours Index No. This paper consists of three parts Part I consists of 40 Questions and write answers them in this paper Answer both questions in part II. Part III consists of four questions and write answers only for two questions. A part of metric map of Sri Lanka and a world map are provided. Part - I Write the correct number of correct choice in the brackets 01). Type of the map in which both physical and cultural features are shown in the same map is, i. Land utilization map Topographical map iii. Thematic map ii. Isoplepth map Choropleth map iv. 02). How many times do the satellites in GPS revolve around the earth on an allotted orbit a day at a speed around 11,000 Km per hour. i. Once a day Thrice a day iii. Five times a day Twice a day Four times a day iv. (.....) 03). The Location of 500,000 mN and 500,000 mE coordinate in national grid network in new topographic map of 1:50000 scale of Sri Lanka is, i. Piduruthalagala iii. Point Pedro ii. Samanala Mountain iv. Point Dondra v. Kandawala (.....) 04). The answer that shows basic symbols respectively which are used to represent geographical features such as a river, cultivated land, a building in a Geographical Information system (GTS) i. Polygon, Line, Point ii. Polygon, Point, Line iii. Line, Polygon, Polygon iv. Point, Line, Polygon v. Line, Polygon, Point (.....) 05). Capturing, Processing and analyzing of energy emitted or reflected by an object is done in, i. Geographical Information System (GIS) ii. Active Sensing iii. Passive Sensing iv. Remote Sensing

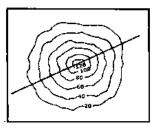
(.....)

v. Global Positioning System (GPS)

06). Which answer shows the correct order of following topographical features.







gap, depression, conical hill

valley, plateau, conical hill iii.

mountaion range, plateau, conical hill

gap, plateau, conical hill ii.

iv. Spur, plateau, residual hill

07). The number of additional satellites which have been placed in the orbit to be utilized in an emergency situation in GPS is,

i. 24

ii. 5

iii. 31

iv. 10

v. 7

08). Select the answer that contains only specific Geographical Information Systems software,

i. ArcGIS, QGIS, Photoshop

ii. MapInfo, Excel, JetAudio

iii. ArcGIS, MapInfo, ILWIS

iv. Chrome, ArcGIS, ILWIS

v. ILWIS, Arcview, ERDAS

09). What is represented by horizontal and vertical blue colour grid lines (grid network) in a topographical map of 1:50000 scale?

i. grid network which belong to national co - ordinates.

Longitude lines ii.

iii. latitude lines

longitude and latitude lines iv.

Lines which shows time zone

(.....)

10). The answer that name correctly the following space platform that used for Remote Sensing is,







Aeroplanes, Apace Centres, Satellite

Space Crafts, Satellites, Space Centers iii.

Space Crafts, space Centres, Satellite

ii. Rocket, Aeroplanes, Space Crafts

iv. Satellite, Space craft, Rockets

11). Of world earth quakes, more than 70% epicenters are located in,

i. Mediterranean zone

ii. Peri - Pacific ocean zones

iii. East African rift valley zones

iv. Himalaya mountain range

Mid Atlantic oceanic zones

(.....)

(.....)

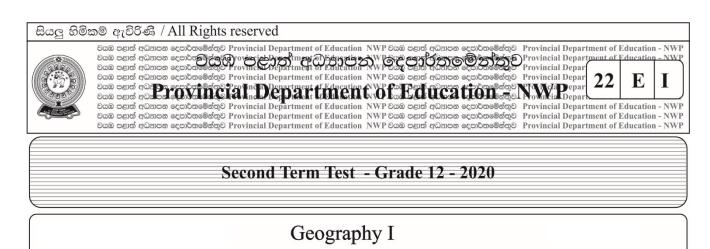
•	l peaks, cirque s, Arete, cirque s, Cirque, Arete oups for paddy caltivati	()		dry zones in Sri Alluvial soil	Lanka.
iv. Grumusols soil	v.	Red yellow podzol	soil		()
14). Large percentage of fi. Ice and glaciersiv. in plant and huma	ii.	river water	iii. wa	ter vapour	()
15). The main physical fai. Timeiv. relief	ii.	sical features like co Climate water and drainage		in soil Parent rocks	()
 Landforms formed by Fault and fold moil. fold mountain and v. fault and mid oce 	ountain d Intrusive volcanoes	ii. Ocean ba	ement) are sin and fold mo and extrusive v		
17). Main factors that affi. pressure ii. '18). Select the correct ans	Temperature iii. fissi	ures and joints iv	Time	v. above all	()
On lin gra Sa	riginal rock ne stone anite ndstone C. D.	netamorphosed roc quartzite Shale gneiss Marble	<u>.</u>		
i. A B C19). The answer that name				BCD	()
					4 C-11
iii. Isoclinal fold, syr	ymmetrical fold, thrust nmetrical fold, thrust fo	old iv. monocli asymme	l fold, Asymme inal fold, symm etrical fold		
v. Isoclinal fold, mo	noclinal fold, thrust fol	ld			()

12). What are the landforms shown no 1,2 and 3 in adjacent

B - Sand and dust particles are	each other and turn into small particarrying away from the ground rge depressions on earth's surface in desert area are known as	cles
i. Solution	ii. abrasion	iii. depostion
iv. deflation	v. corrosion	()
21). To which geological period, the pallama areas belong,	rocks more than 70 million years ol	d found in Tabbowa, Andigama and
i. Miocene period	ii. Jurassic period	iii. Pre Cambrian period
iv. Quartionary period	v. Helocene period	()
22). Select the answer when World countries (Column II)	major volcanoes (Column I) is c	orrectly matched with their lacated
I. Valcano	II. Loc	cated country
 Fujiyama 	A. Unied State	es of America
 Hecla 	B. Japan	
 Krakatoa 	C. Indonesia	
• St. Helena	D. Italy	
· PECA	E. Iceland	DED 4
i. B, E, C, A	ii. A, B, C, E	iii. B, E, D, A
iv. E, C, A, D	v. B, E, C, A	()
 23). Select the answer that contain on i. Symmetrical fold, assymetri ii. thrust fault, rift valley, norm iii. rift valley, horst, monoclinal iv. normal fault, symmetrical for v. Synclinorium, normal fault, 	cal fold, isoclinal fold al fault l fold. old, rift valley	()
v. Synemorum, normar raur,	Step fault	(
 24). of the plates by which the lithosp that contatin only continental plating i. Indo - Australian plate, Iranii. Eurasian plate, Indo - Australii. Nazca plate, Cocos plate, Paiv. Cocos Plate, Pacific plate, A 	plate, Pacific plate alian Plate, South American plate acific Plate	othesis of plate tectonics the answer
v. Pacific plate, Phillippine pla		()
25). Select the answer that shows into B, C, in the following diagram.	rusive volcanic land forms respecti	vely which marked by the letters A,
	ii. Batholith, iii. Batholith, iv. Batholith,	Laccolith, Sill Laccolith, Phacolith Lopolith, Sill Lacolith, Dyke Laccolith, Sill ()

· .	•	st population ar	nd housing census c	•		Lanka?
. i.			ii. 2012		iii. 2001	(
1V.	1981		v. 1891			()
27). Th	e continent in wh	nich a large num	ber of poor countrie	es in the world are	distributed?	
i.	Continent of A	sia	ii. Continent of		iii. continent of A	ustralia
iv.	Continent of Afr	ica	v. Continent of	South America		()
28). Se i. ii. iii. iv. v.	development g Climatology, e development g geomorpholog	eography, econo conomic geogra eography, econo y, economic geo	sub branches of hur omic geography, url ophy, urban geograp omic geography, co ography, archaeolog nental geography, u	oan geography hy astal geography y	()
			o 29, 30,31 with the rmation of Sri Lan		p that prepared a	according to
29). Le	tters F and D sho	w respectively			1	
i.	Two districts w	ith lowest and h	ighest population d	ensity.	o A	
ii.	Two districts with highest population and highest birth rate.					
iii.	Two districts with highest and lowest population density					
iv.	\longrightarrow					
v.			lowest birth rate	()		- Andrew
		C				by Jack
30). Ki	llinochchi distric	t shown by the l	etter "A" is a		I E	Carlos of
i.	district with lo	west crude birth	rate		The sand	
ii.	district with highest crude death rate			75		
iii.	District with highest population growth rate			For the state of t		
iv.	district with lowest crude internal migration				(1)	
v.	district with hi	ghest crude birtl	n rate	()		
					40	Khurefore
			o districts with he	avy migration rel	ated to	
	evelopment projec		D 1D	. E 1D		,
1.	A and C	ii.B and C	iii. B and D	iv. E and B	v. F and E	()
32). N	legative value of	rate of natural in	ncrease in a country	shows,		
i.	number of dea	ths increase exce	eeding the number of	of births		
ii.			ding the number of			
iii.			he number of births			
iv.			number of deaths.			,
V.			eding the migration		th within wary char	()
-	nen considering t ace	ne growni or wo	rld population, rapi	a popuration grow	ui wiuiiii very shoi	i periou took
	after 1800 AD		ii. after 1850 AD		iii. before 1750 A	ΔD
	after 1900 AD		v. after 1750 AI			()

34). The name given commarket or palaces.	monly for the typ	pe of settlement bu	ilt by the ma	n Clustering a	round a tank, church,
i. Linear settlemen	t i	i. Scattered settler	nent	iii. Nucle	ated settlement
iv. dispersed settlem		v. junction settlem		111. 1 (4010	()
iv. dispersed settlen	CIII	v. junction settlem	CIIt		()
35). Which answer contains rate,	n the letter that	shows Nigeria, the	country wit	h highest worl	d population growth
	i. A	iii. D	iv. B	v. C	
1. 1	л. д	III. D	IV. D	٧. ٥	
*			E	D	
36). Which answer contains the same by "D" which			•	•	South Asian country
shown by "D" which	belong to most p	-			1 1 1 101
i. Mexico and Iran		ii. Brazil and In		111. Ba	ngladesh and Cuba
iv. Brazil and Pakista	n	v. Pakistan and	Brazil		()
37). Which letter shows th countries due to its in	•	-	nich emigrati	ion occurs to E	Curopean and African
i. E ii	. В	iii. A	iv.	D v. C	C ()
38). An Asian country wh increasing elderly popi. Indonesia ii.39). According to the dat women's death in the	pulation is seen. Phillippines a published by	iii. Japan the World Health	iv. Malo Organization	dives v. T	Thailand () for the occurance of
i. Violence	age group 13 - 2	ii. Pregnancy	cancer, ma		
				III. COIIIII	niting suidide
iv. abortion		v. parturition			()
40). Factors affecting the dynamism in World population is given in following equation.					
	Population	n = Birth - death	<u>⊦</u> net migrat	ion	
here net migration is	s calculated.				
i. immigration - bit iv. immigration - em	rth	ii. emigration - i v. death - emigra	_	iii. immig	gration + emigration ()



Part - II

• Answer all the questions

- 01) Answer the following questions based on the metric map of 1:50 000 scale provided Contour interval is 20 m.
 - i. Name the feature shown by the line A B in the map

(1 marks)

ii. To which direction does the slope of the map extend?

- (1 marks)
- iii. Name the type of vegetation shown by the letter "C" and the feature shown by the letter "D" (2 marks)
- iv. Name main commercial crop seen in the square "E"

(1 marks)

v. Calculate the distance of main road x - y in kilometers.

(2 marks)

vi. Name six cultural features found in the square. "H"

(3 marks) (2 marks)

vii. Calculate the area of the real land represented by the map. viii. Comments on transportation system of the mapped area.

(2 marks)

vin. Comments on transportation system of the mapped area.

(4 marks)

ix. Describe the relationship between relief and land utilization.

- (4 marks)
- 02) Mark and name following things in the outline map of World supplied. Use standard colours and symbols. (10 marks)
 - i. Andes mountain range
- ii. Zambezi river
- iii. Ukatan perninsular

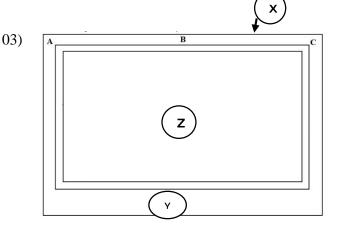
iv. Barents sea

- v. Capentarian bay
- vi. Mongolia

- vii Aleutian trench
- viii Brundi state with lowest level of urbanization in Africa
- ix. World largest fresh water lake
- x. The country which held a referendum to leave European Union

Part III

Answer only for two questions.



A model of 1:50 000 topographic map is given below.

- Name the areas marked as X, Y, Z (3 marks)
- ii. Name information shown at the locations A, B, C in the area "X" (3 marks)
- iii. a. Write in centimeters the length and width of the area shown by Z in a map of 1:50 000

(2 marks)

b. State in square kilometers the above area

(2 marks)

Name 4 type of information shown in the area "Y" iv.

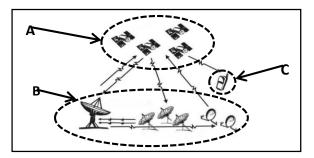
(4 marks)

a. Name information shown in inner margin v.

- (3 marks)
- b. Name the place which was selected as the base point to prepare the National Grid system and describe how false origin has been located. (3 marks)
- 04). i. Define the term Global Positioning System (GPS)

(2 marks)

- Name the segments of Global Positioning ii. System shown in the following diagram as A, B, and C and explain them briefly (6 marks)
- iii. Describe three factors that affect for the accuracy of data related to Global Positioning System (6 marks)
- iv. Explain with reference to various fields 3 advantages of using of Global Positioning System (6 marks)



i. What is meant by Remote Sensing

(2 marks)

ii. a). Name the platforms that the following sensing instruments which used to collect data in remote sensing belong? (3 marks)







- b). Name two types of satellite which are identified according to the nature of their location and orbital path (3 marks)
- iii. Describe briefly arial photographic technology that use in Remote sensing. (6 marks)
- iv. Name four fields in which Remote Sensing Technology is used and describe with examples the usage of one field. (6 marks)
- 06). i. Define "Geographic Information System"

(3 marks)

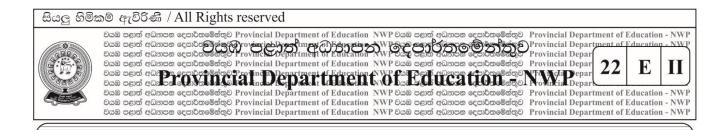
ii. Name two main types of data used in Geographic Information System and describe one of them.

(5 marks)

iii. In a Geographic Information System, geographical features are represented by following symbols (topology) Name them and Write one example for each. (6 marks)



iv. Describe with diagram above topologies are represented by vector data model or Raster data Model (6 marks)



Second Term Test - Grade 12 - 2020

Index No.

Geography II

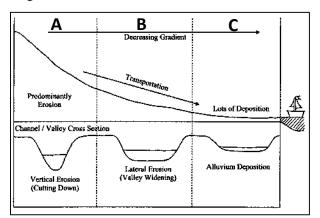
Selecting at least 2 questions from each parts write answers for 5 questions only.

Part - I physical geography

- 01). The transparent and odorless air cover that envelops the earth's surface owing to the gravitational power of the earth is known as atmosphere.
 - i. In this diagram which shows stratification of atmosphere,
 - a). Write letters and name two layers in which temperature increase with altitude. (2 marks)
 - b). Name three layer with lowest temperature. (1 marks)
 - ii. Describe briefly three effect of atmospheric pollution (6 marks)
 - iii. Name 3 harmful effect of human activities done on earth crust and describe one of them (5 marks)
 - iv. Explain with reference to 3 facts how destruction of forest influence on the existence and processes of biosphere. (6 marks)



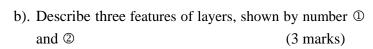
- 02). Forces that originate on the earth's surface are called exogenic forces.
 - i. A long profile and a cross section of a river from the origin to the destination are shown in the diagram. Name the stages shown in the diagram, Name the stages shown by the letters A, B and C (3 marks)
 - ii. Explain briefly the processes in each stages of the river. (6 marks)
 - iii. Explain with diagrams the methods of transportation of the river load. (5 marks)
 - iv. Describe with diagrams three landforms formed by the deposition of river load. (6 marks)

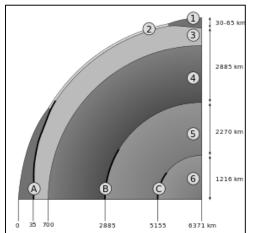


- 03). The earth which is believed that it had its origin about 4600 million years ago, consists of several layers.
 - In this diagram that shows the structure of the earth's interior.
 Name correctly
 - a). the layers shown by the number ④ and ⑥
 - b). two discontinuities shown by the letters B and C

(4 marks)

ii. a). What is the common name given for the layers shown by ①, ② and ③ when they are taken together. (3 marks)





iii. Fill in the blanks using information given in the brackets related to Sedimentary rock classification according to the origin. (6 marks)

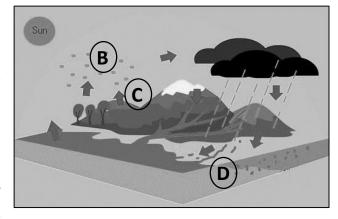
Disintegrated sedimentary	A	pebbles, Boulder cla Breccia		
	A renaceous	В		
emically deposited	С	Salt, Salt rocks		
Sedimentary rocks.	gypsum	D		
E	Carbonaceous	F		

(Hematite, Gypsum, coal, chloride, clay, Rudaceous, organic sedimentary, sand stone.)

- iv. a). Name 2 fuel minerals with one distribution areas seen in Sri Lanka.
- (2 marks)
- b). Name 4 non metal minerals found in Sri Lanka and explain economical value of one of them.

(4 marks)

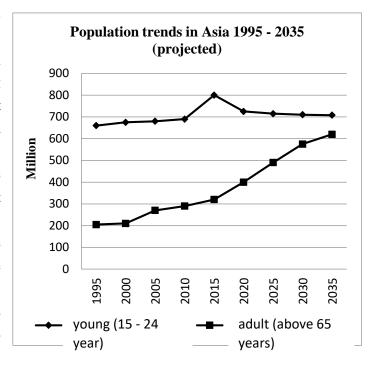
- 04). Water is needed to sustain life.
 - i. Define "hydrosphere" (2 marks)
 - ii. Name and explain briefly the processes shown by the letter A B C and D in this diagram which shows the processes of water cycle (6 marks)
 - iii. Describe with examples 2 ways how the processes of hydrological cycle affects the environmental phenomena. (6 marks)
 - iv. Name 3 human activities which affect for water pollution or changing the quality of water and describe one of them. (6 marks)



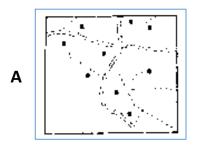
Part II - Human Geography

- 05). The most important resource of a countrye is its population.
 - i. According to this graph, write two main salient features when comparing young population in the age group 15 24 and adult population in age group above 65 years from 1995 2035 (2 marks)
 - Discuss three main problems that should be considered in compiling development strategies for age group 15 24 (6 marks)
 - iii. Explain two reasons which affect for the growth of adult population in most of the countries in present World (6 marks)
 - iv. describe 4 Problems that should be considered for the adult population in socioeconomic development in Asian countries.

(6 marks)



- 06). " A habitat made by man on the earth's surface" Dickinson
 - i. Two main settlement patterns that can be identified in the Word is shown in the following diagram Name them correctly.





(2 marks)

- ii. Describe 3 measures which have been taken for the development of settlement seen in the "A" in Sri Lanka. (6 marks)
- iii. a). Name 3 main types of settlement seen in Sri Lanka.

(3 marks)

b). Explain Features seen in one of above settlement

(3 marks)

iv. Name 3 physical and human factors that affect for the origin of settlement and describe one of them.

(6 marks)

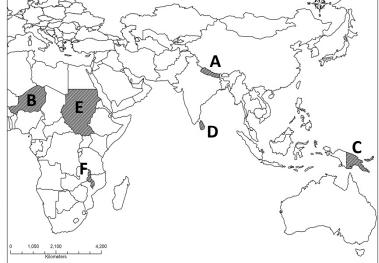
07). The Urbanization which grew in parallel with the industrial revolution is a phenomenon that has been

responsible for many socio - economic changes World over.

i. Following map shows few countries which recorded minimum level of World urbanization in 2014. Name countries A,B, C and D correctly.

(2 marks)

ii. What are the name given for the New urban zone which have distributed by crossing the countries at present and name distribution areas of those zones. (6 marks)



iii. Explain three sectors which spread to other areas originating form the urban centers.

(6 marks)

- iv. Describe 3 measures that have been taken by the government in order to solve problems associated with urbanization in Sri Lanka. (6 marks)
- 08). "The movement of people that takes place between geographical units resulting in a change in the usual residence is migration" United Nation.
 - i. Write four main features of international migration (4 marks)
 - ii. Discuss 2 problems which has to be faced by developed countries due to migration (4 marks)
 - iii. Describe factors which induce international migration. (6 marks)
 - iv. Explain 3 main features that are seen in migration in Sri Lanka. (6 marks)