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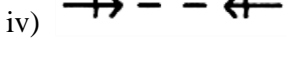
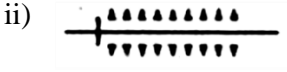
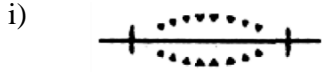
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Index No. Geography I Three Hours

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

Part - I

1. Select the correct symbols of the tunnel a feature related to the railways in topographic map.



(.....)

2. The master control centre of global positioning system (GPS) is located in,
i. Ascension Island ii. Kwajalein Island iii. Diego Garcia
iv. Hawaii Island v. Colorado springs (.....)

3. Select the answer that contain geographical features that can be represented as point, line and polygon which are used in storing data in GIS.
i. Well, river, reservoir ii. a town, a well, a cultivation area
iii. a river, a reservoir, a well iv. a reservoir, a province, a city
v. a reservoir, a well, a river (.....)

4. In remote sensing, according to the nature of their location and orbital path there are two types of satellites. Select the answer that shows those satellite correctly.
i. polar orbit / communication ii. geostationary / climate
iii. Geostationary / polar orbit iv. geosynchronous / space
v. communication / geostationary (.....)

5. Grid North (GN) True North (TN) and Magnetic North (MN) which are showing the direction in topographical map are respectively depicted by,



(.....)

6. Select the answer contain input devices, output divides and storage devices in Geographical Information system (GIS) respectively.

- i. Monitor, digitizer, Magnetic disk
- ii. Magnetic disk, printer, key board
- iii. Magnetic disk, printer, keyboard
- iv. Printer, keyboard, monitor
- v. Printer, keyboard, digitizer

(.....)

7. A cultivation of 8 Km² on land is represented in 1:50,000 topographic map by,

- | | | |
|-----------------------|------------------------|-------------------------|
| i. 2 cm ² | ii. 12 cm ² | iii. 16 cm ² |
| iv. 8 cm ² | v. 32 cm ² | |

(.....)

8. Three types of remote sensing platforms are shown below. Select the answer that name them respectively.



- | | | |
|--------------------------------|---------------------------|---------------------------|
| i. A – space borne platform | B - ground based platform | C - air borne platform |
| ii. A– air borne platform | B - ground based platform | C – space borne platform |
| iii. A - ground based platform | B - air borne platform | C – space borne platform |
| iv. A - air borne platform | B – space borne platform | C - ground based platform |
| v. A - ground based platform | B – space borne platform | C - air borne platform |

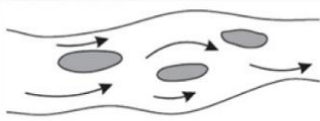
(.....)

9. Number of satellites system launched in to the earth's orbit is?.

- | | | | | |
|-------|--------|---------|--------|-------|
| i. 21 | ii. 07 | iii. 24 | iv. 31 | v. 17 |
|-------|--------|---------|--------|-------|

(.....)

10. Select the answer that contain correct order of following drainage features.



- A braided river
- B dendritic drainage pattern
- C delta
- D river meander
- E radial drainage pattern

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

11. Original form of rocks are totally changed during the metamorphism process. Select the answer that contain metamorphosed rocks when following rock types are subjected to metamorphism process

- A Granite
- B Sand stone
- C lime stone

- i. marble, shale, gneiss
 - ii. gneiss, shale, marble
 - iii. shale, marble, gneiss
 - iv. gneiss, quartzite, marble
 - v. quartzite, marble, gneiss
- (.....)

12. " The study of areal differentiation of the earth surface is the geography"

- i. Carl Ritter
 - ii. Alfred Vegner
 - iii. Richard Hartshone
 - iv. Arthur Holmes
 - v. Von Humbolt
- (.....)

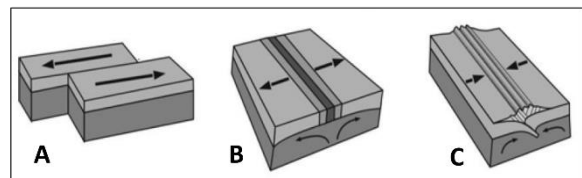
13. Select the soil types found in both dry and wet zone.

- i. reddish brown and red yellow podzol soil.
 - ii. reddish brown latosols and red yellow latosols soil.
 - iii. Alkaline and saline soils and swamp and semi swamp soil.
 - iv. reddish brown and grumusols.
 - v. Alluvial soils and regozols.
- (.....)

14. Boundary between earth mantle and core is,

- i. Sial layer
 - ii. Gutenberg discontinuity
 - iii. Sima layer
 - iv. Leihman discontinuity.
 - v. Mohorovicic discontinuity
- (.....)

15. Three types of plate movement which take place along plate margin are shown in following diagram as A, B and C. Select the answer that shows them respectively.



- i. A - transform movement
- ii. A - convergent movement
- iii. A - divergent movement
- iv. A - transform movement
- v. A - divergent movement
- B - convergent movement
- B - divergent movement
- B - convergent movement
- B - divergent movement
- B - transform movement
- C - divergent movement
- C - transform movement
- C - transform movement
- C - convergent movement
- C - convergent movement

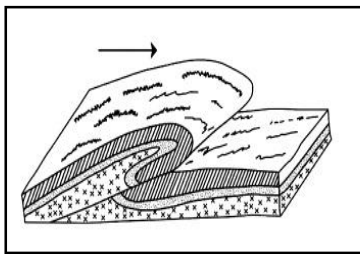
(.....)

16. Few major volcanos in the world are given below. Select the order of countries where they are located.
 A - Etna B - Fujiyama C - Hekla D - Mauna Loa
- Italy, Japan, Sicily, Iceland
 - Italy, China. Japan, Indonesia
 - Japan , Italy, USA, Sicily
 - Italy, Philippines, Iceland, Sicily
 - Sicily, Japan, Iceland, Hawaii Island (.....)

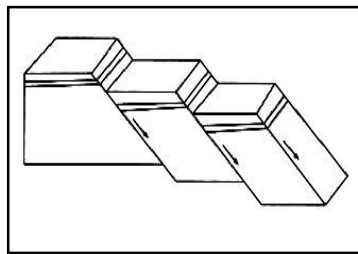
17. A - Extent up to about 80 km.
 B - The layer with the lowest temperature in the atmosphere.
 C - Water, Vapour, Clouds, Dust, cannot be seen.
 These characteristics are seen in,
- Mesosphere
 - Troposphere
 - Ionosphere
 - Stratosphere
 - Thermophore (.....)

18. In 1935 scientific scale in measuring the intensity of an earthquake is presented by,
- Arthur Holmes.
 - John Snow
 - Charls F Richter
 - Carl Richter
 - Athor Picket. (.....)

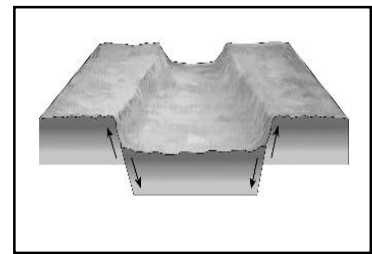
19. Landforms formed by compressional and tensional movements are shown by A, B, C in following diagram. Select the answer which shows the correct order of them.



A



B

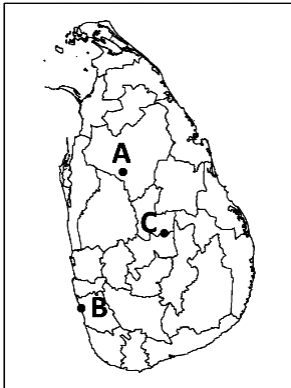


C

- Step fault, Thrust fold, rift valley
 - Thrust fold , Step fault , rift valley
 - rift valley , Normal Fault, Thrust fold
 - Thrust fold , rift valley, Step fault
 - symmetrical fold, Normal Fault , Step fault (.....)
20. Which type of rock is found in the fault basins of Tabbowa, Andigama and in Pallama areas of Sri Lanka.
- Intrusive igneous rocks.
 - Siliceous rocks
 - Miocene rocks
 - Jurassic rocks
 - Arenaceous rocks (.....)
21. About 70 percent of the active volcanoes in the world are located around.
- Indian Ocean
 - Pacific Ocean
 - Antarctic Ocean
 - Atlantic Ocean
 - Artic Ocean (.....)

22. Instrument used to measure elements of weather temperature, air pressure, humidity are respectively shown in,
- thermometer, barometer , rain gauge
 - thermometer , hygrometer , barometer
 - barometer , thermometer , rain gauge
 - thermometer , barometer , hygrometer
 - hygrometer , thermometer, barometer (.....)

23. Distribution areas of A – Apatite, B – Keolin , C – graphite is shown in the adjacent map. Select the answer that shows the areas.



- A - Anuradhapura B - Humbagamuwa C - Polkotuwa
- A - Thalawa B - Meetiya goda C - Kaikawala
- A - Andigama B - Dediya wala C - Pulmuddai
- A - Vauniya B - Boralessamuwa C - Marawila
- A - Eppawala B - Waskaduwa C - Kahatagaha (.....)

24. In which of the following system exchange of energy and matter takes place only within the system?
- Isolated system
 - Atmospheric system.
 - Biospheric system
 - Closed system
 - Open system (.....)

25. By which of the following agents the rock disintegration is highly done through the process such as oxidation, carbonation and hydration.
- Sea waves
 - running water
 - ground water
 - wind
 - glacial (.....)

26. Lowest and highest level of urbanization is recorded in the districts of,
- Puttlam and Kaluthara
 - Jaffna and Colombo
 - Ampara and Gampaha
 - Nuwara Eliya and Kandy
 - Kurunegala and Colombo (.....)

27. In which of the stages of world populations growth, the slow growth over a long period was taken place,
- time to 1750 AD
 - From 1650 to 1750
 - From 1750 AD to date
 - From 1850 AD to date
 - From 0 – 1750 AD (.....)

28. Total world population by June of 2017 was,
- 7.5 million
 - 75 billion
 - 7.5 trillion
 - 7.5 billion
 - 75 billion (.....)

29. A - a planned settlement
 B - common facilities and settlements are built in a line
 C - Found in abundance in Mathale, Badulla and Nuwara Eliya, Kandy

Above features are seen in,

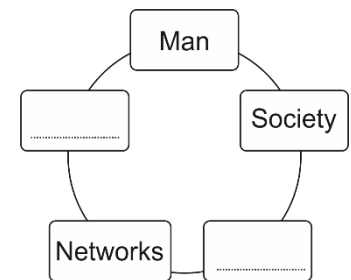
- i. Plantation Settlement
- ii. Mahaweli Settlement
- iii. Youth Settlements
- iv. Fisheries settlements
- v. Traditional up country villages (.....)

30. According to trends in birth and death rates four types of age pyramids can be identified? A characteristics of the pyramid that has high birth and death rate is,

- i. Upper part is wide
- ii. Upper and middle parts are wide.
- iii. Upper part is narrow,
- iv. Upper, middle and lower parts are equally wide (.....)
- v. Lower part is narrow.

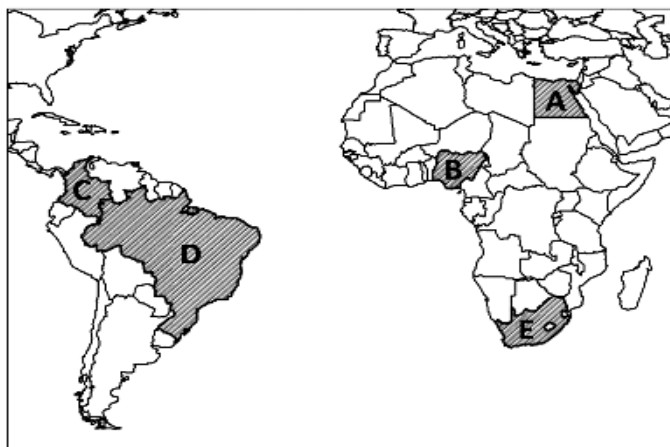
31. Few elements in a settlement is shown in the following figure. Which of the following is contained suitable answers for the blanks.

- i. economy, security
- ii. natural environment, shelter
- iii. capital, natural environment
- iv. natural environment, climate
- v. shelter, communication



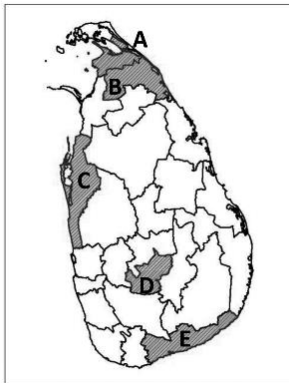
(.....)

32. Select the letters that stand for African country and South American country respectively which belong to top 10 most populated countries in the world currently.



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

33. Crude birth rate is accurately calculated by,
- Crude birth rate = rate of birth – rate of death
 - Crude birth rate = $\frac{\text{number of death}}{\text{mid-year population}} \times 1000$
 - Crude birth rate = number of birth - number of death
 - Crude birth rate = $\frac{\text{Number of live births in a year}}{\text{mid-year population}} \times 1000$
 - Crude birth rate = number of birth - number of deaths \pm migration (.....)
34. Which of the following is measured by the number of persons aged 60 years and above as a percentage of the number of persons below 15 years of age.
- rate of death
 - rate of birth
 - Human development index
 - life expectancy index
 - ageing index (.....)
35. Highest percentage of population distribution by continent is found in,
- African continent .
 - North American continents
 - Asian continents
 - Europe continents
 - South American continents (.....)
36. Highest and lowest crude birth rate in Sri Lanka reported respectively from.

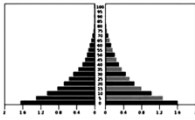


- A and B
- B and C
- C and D
- D and E
- B and D (.....)

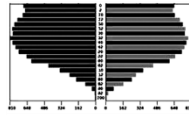
37. Which of the following statement were factors by which the spread of settlements were accelerated in the world.
- | | |
|------------------|---------------------------|
| A - Exploration | B - Epidemic |
| C - Colonization | D - Industrial revolution |
- A, B and C
 - A and D
 - B, C and D
 - A,C and D
 - B and D (.....)

38. What is the most prominent feature of population in Vavunia.
- Recorded as a district with highest positive net migration.
 - Recorded as a district with the highest negative net migration.
 - District with highest labour force.
 - one person for every 4 persons is a migrant.
 - recording highest death rate. (.....)

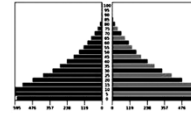
39. According to trends in world population, which answer correctly shows the expansive population pyramid.



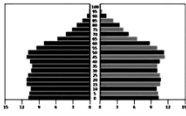
i.



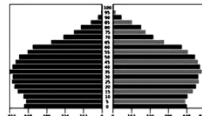
ii.



iii



iv.



v.

(.....)

40. Which group of countries have population over 300 million by 2050 according the world projected population data.

i. China, Bangladesh, Ithiyopia

ii. Rusia, Bangladesh, China

iii. Brazil, India, Republic of Congo

iv. China, India, Brazil

v. USA, Nigeria, Indonesia

(.....)



වයඹ පළාත් අධ්‍යාපන දෙපාර්තමේන්තුව Provincial Department of Education - NWP වයඹ පළාත් අධ්‍යාපන දෙපාර්තමේන්තුව Provincial Department of Education - NWP
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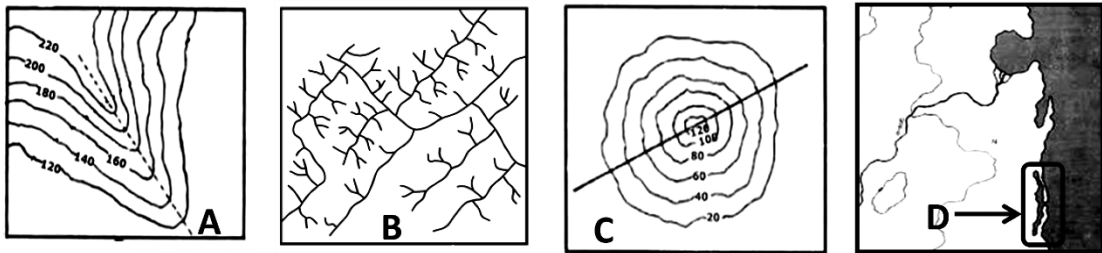
- Answer all the questions in part II and write answers for two questions from part III.

Part - II

- 01). Answer the following question based on the topographical map of 1:50000 scale published by survey department of Sri Lanka. Contour interval is 20m.
- i. Name physical features marked in squares A, B,C, D. (02 marks)
 - ii. To which direction does the slope of map extent ? (01 mark)
 - iii. Draw square for 1:25000 scale in order to depict an area of 1km² of the map. (02 marks)
 - iv. Name 6 types of land utilization types found in the mapped area. (03 marks)
 - v. Draw correctly the linear scale for the map. (04 marks)
 - vi. Describe one physical and one human factors which have influenced for the abundance of settlement in western half relatively to the eastern half of the mapped area. (04 marks)
 - vii. Describe main factors that influenced for the distribution of settlement and land utilization pattern. (04 marks)
- 02). Mark and name following things in an outline map of the world provided. (Map A) Use standard colours and symbols. (10 marks)
- i. Lake Chad
 - ii. River Leena
 - iii. York point
 - iv. Deccan plateau
 - v. Capital of Philippines
 - vi. Kamchatca peninsula
 - vii. Most urbanized countries in south America.
 - viii. Most populated country in the world.
 - ix. Tropic of cancer.
 - x. Main fold mountain range of South America.

Part - III

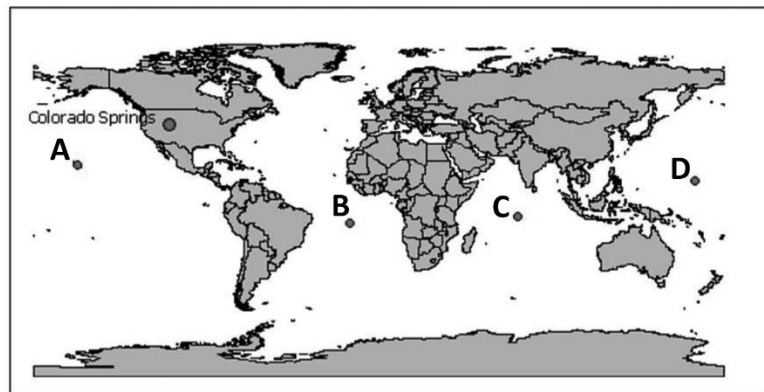
- 03). I. a). Name the projection that used in creating 1:50000 topographic map of Sri Lanka. (01 mark)
- b). From which directions and at what distance the false origin from base point, Pidurutalagala is located in order to prepare national coordinate of Sri Lanka. (02 marks)
- II. State 2 uses of each topographic map and thematic maps. (04 marks)
- III. Main heading in the legend of 1:50000 topographic map of Sri Lanka are shown blow.
- a). Roads b). Boundary c). Drainage d). relief
- Using standard colours and symbols draw 2 cultural or 2 physical features depicted by each heading. (08 features) (04 marks)
- IV. Name and briefly explain following relief features marked as A, B, C, D. (02 marks)



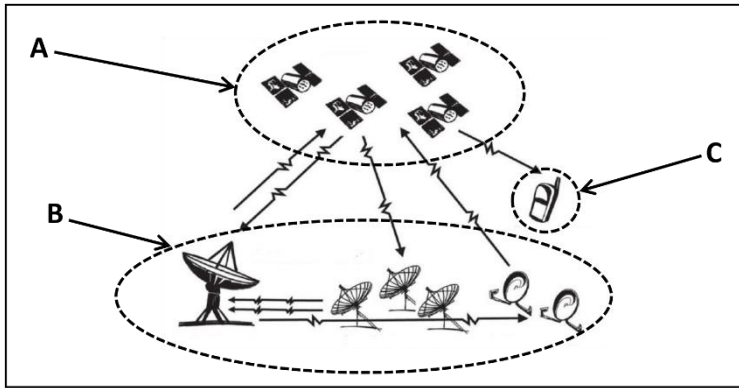
- 04). I. Name two types of map which can be identified according to the technology. (03 marks)
- II. Name modern technological method used in cartography. (03 marks)
- III. State 4 common characteristics of modern cartographic techniques. (02 marks)
(C.04)
- IV. Name 3 uses of modern technological method used for mapping and describe one of them. (05 marks)

- 05). I. What is meant by Global Positioning System. (02 marks)
- II. Name correctly 04 monitoring stations of GPS marked as A, B, C and D in the following map. (C.02)

- A -
- B -
- C -
- D -



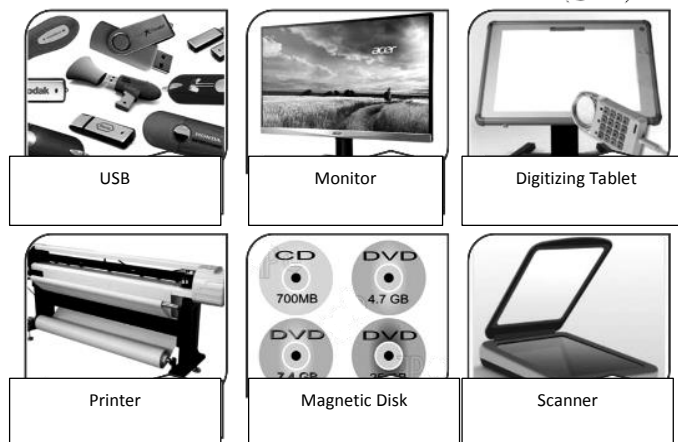
- III. a). Name segments of GPS shown in following figure as A,B,C. (03 marks)
 b). Describe one of segments. (02 marks)



- IV. a). Name 4 field in which GPS is used. (02 marks)
 b). Describe with examples the practical importance of GPS. (04 marks)
- 06). I. What is meant by Geographical Information System. (GIS) (02 marks)
 II. Name basic component in GIS. (05 marks)

- III. Few hardwares in GIS are shown below. Categorized them correctly in to following sub groups. (03 marks)

- a). Input Devices
 b). Output Devices
 c). Storage Devices



- IV. Name 3 uses of GIS and describe one of them. (05 marks)



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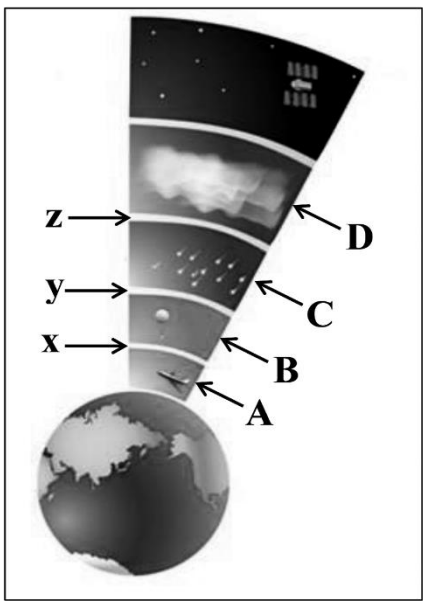
Second Term Test - Grade 12 - 2019

Index No. **Geography II** **Three Hours**

- This paper consists of two parts.
- Selecting at least 2 questions from each part write answers for 5 questions only

Part - I Physical geography

- 01). I. The transparent and odorless air cover that envelops the earth's surface owing to the gravitational power of the earth is known as atmosphere.
- a permanent gas
 - variable gas
 - an inert gas
 - a pollutant
- II. Main layers of atmosphere is shown by the letters A, B, C and limits between layers are shown by the letters x, y, z.



- Name layers depicted by the letters B and C and name limits shown by the letters x and z. (2 marks)
 - Name the layer 'A' and describe its characteristics. (4 marks)
- III. a) Name 4 natural and human activities which influenced for the changes of atmospheric conditions. (6 marks)

b) Describe giving examples 2 unfavourable impact of reasons you mentioned above. (6 marks)

02). Soil is formed by the long term accumulation of debris resulting from weathering of rocks and organic matter.

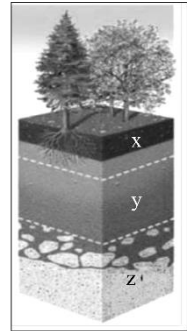
- Name two soil scientists who presented the studies and classification of soil of Sri Lanka. (2 marks)
- Categorized following soil groups in to climatic zones where they are abundantly seen. (alluvial soil, red yellow latosols, swamp and semi swamp soil, regozols soil, red yellow podzols soil.) (3 marks)

limited to the dry zone	limited to wet zone	found in both dry and wet zone
A – non alkaline brown earth.	reddish brown latosols A –	F – - Humic soils with poor drainage
B – - grumusols - alkaline and saline soil.	D –	F –

II. Name four factors influence for the formation of soil. (2 marks)

III. Explain how factors named in (II) above contribute for the formation of soil. (6 marks)

IV. Name x,y,z horizons marked in soil profile shown here and describe characteristic of one horizon. (7 marks)



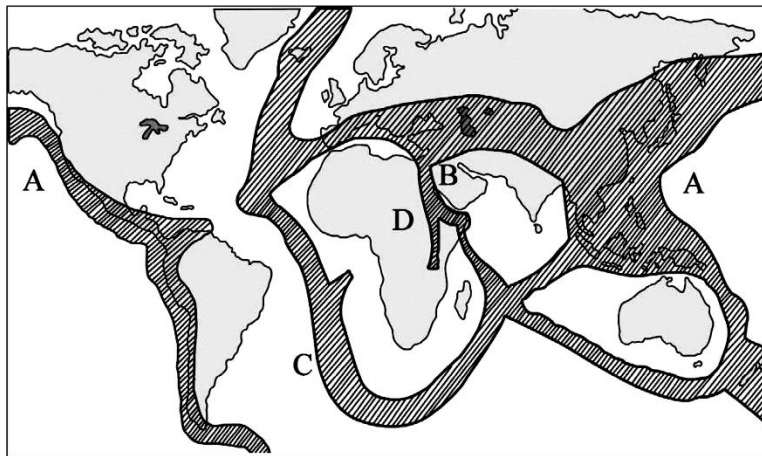
03). The forces operating the earths interior is called endogenic forces.

I. Write the difference between earth movement and earthquake. (2 marks)

II. Main earthquake zones of the world are marked as A,B, C and D in the following map.

a) Name A and D zones. (2 marks)

b) Describe the impact of earthquake on physical and human environment. (4 marks)



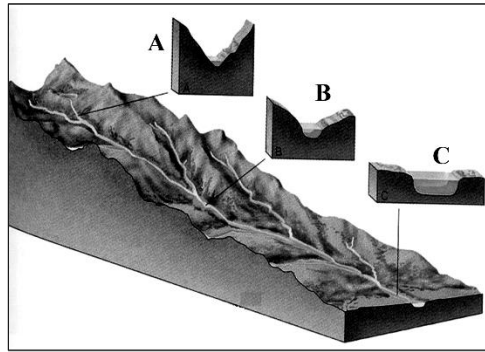
III. a) What are compressional movements. (4 marks)

b) Describe with the diagrams 2 landforms formed by compressional movements. (2 marks)

IV. a) Write what are tensional movements. (4 marks)

b) Describe with diagrams, 2 landforms formed by tensional movements. (2 marks)

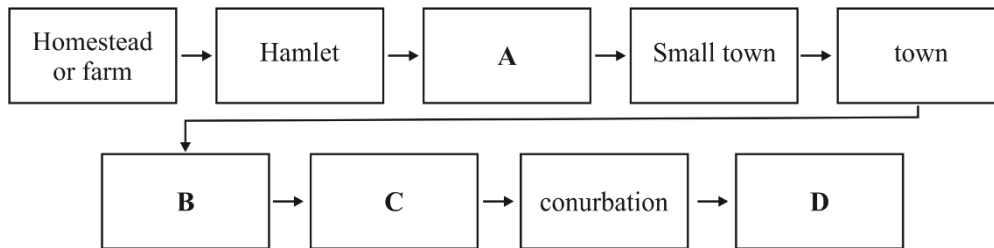
- 04). The forces that originate on the earth's is called exogamic forces.
 I. The cross section of a river from the origin to the destination could be divided in to three parts as follows.



- a) Name its A, B, C parts respectively. (3 marks)
 b) Name 2 landforms formed at each stages A and B. (2 marks)
 II. Describe 4 characteristics seen in a river of the stage 'B' (6 marks)
 III. a) Name 3 ways in which erosion occur in a river. (3 marks)
 b) Describe with diagrams 3 landforms associated with river deposition. (6 marks)

Part - II - Human Geography

- 05). "A habitat made by man on the earth's surface is a settlement" - Dickinson.
 I. a) The hierarchy that shows the growth of settlement is given below. Write correct stages for the blanks shown by A, B, C and D. (2 marks)



- b) Name districts where following settlements are abundantly seen. (2 marks)
 A – Dry zone tank villages B – Fisheries villages
 C - Estate settlement D - Urban settlement
- II. Name 3 physical and human factors affecting the establishment of a settlement and describe one of them. (4 marks)
 III. State the difference between rural and urban settlement. (6 marks)
 IV. Describe 3 socio economic problems related to urbanization in Sri Lanka. (6 marks)

06). The continuous changes taking place in a population could be termed as dynamism in population.

Crude Death Rate (per thousand) 2014

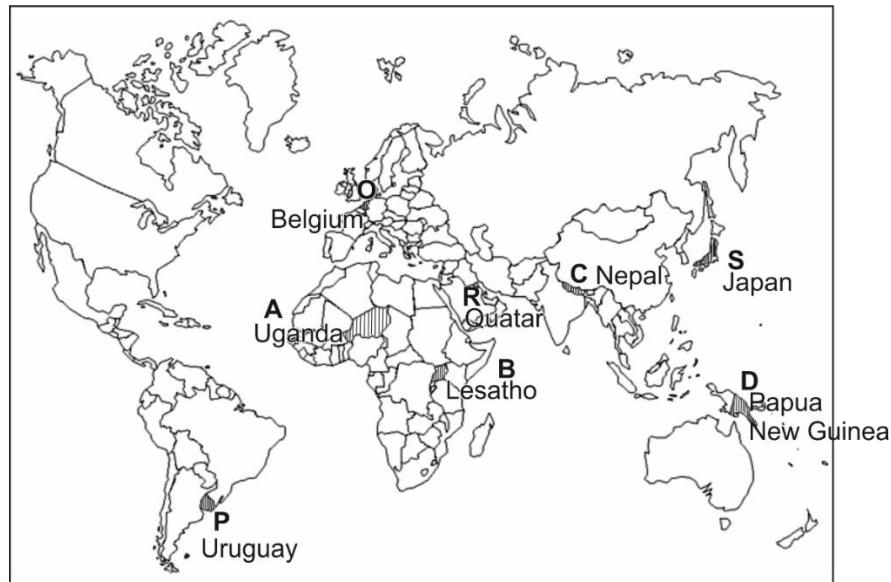
South Africa	17.49	Ireland	6.0
Ukraine	15.72	Qatar	1.53
Lesotho	14.91	Kuwait	2.16
Somalia	13.91	SriLanka	6.06
China	7.4	Malayasia	5.0
USA	8.15	New Zealand	7.3
Denmark	9.0	India	7.35
France	8.0		

Source: UN's census report 2015

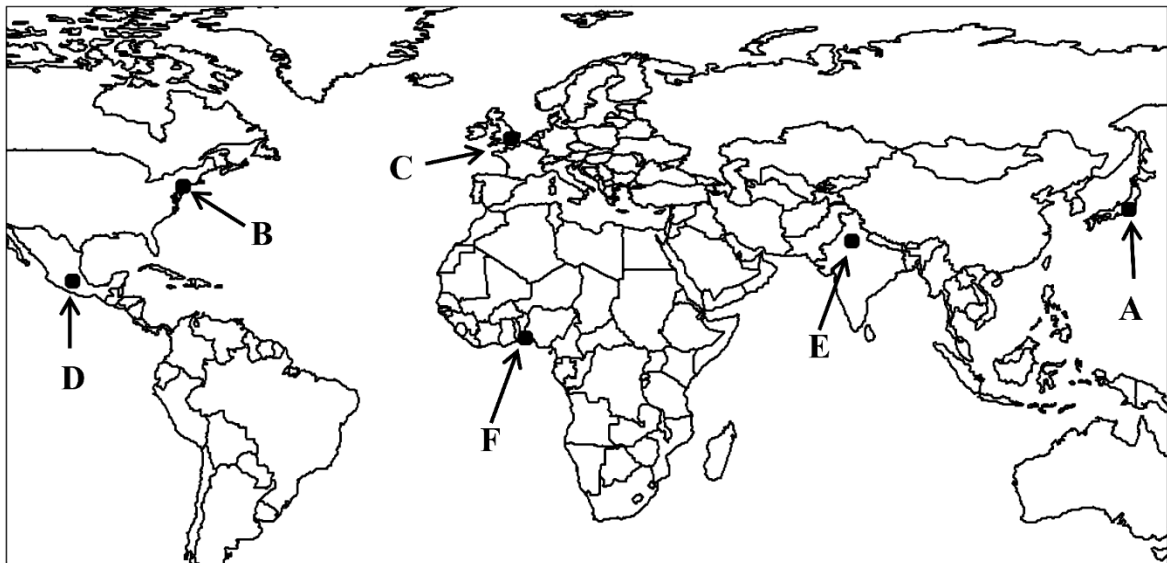
- I. a) According to the above table name countries which shows highest death rate, belongs to following continents.
 A - An Asian country B - An African Country C - An European Country
 (3 marks)
- b) Name factors affecting for population dynamism. (3 marks)
- II. Explain the reasons which affect for the differences seen in crude death rate European and African Countries. (4 marks)
- III. Describe facts responsible for the low CDR in Sri Lanka relatively to the developed countries. (4 marks)
- IV. Describe giving examples 4 positive effects of migrations on countries of destination. (6 marks)

07). Cities act as the centres of development of a country. Development process is spread centrifugally from the cities.

- I. In the following map,
 1 east urbanized countries are shown by the letters A, B,C,D and highly urbanized countries are shown by P,Q, R,S.



- a) Name two least urbanized countries.
 - b) Name two highly urbanized countries. (2 marks)
 - II. Describe 3 salient features of urbanization in developed countries. (6 marks)
 - III. Explain 3 rapid urbanization related socio – economic problem in developing countries. (6 marks)
 - IV. Examine the factors have been responsible for Sri Lanka's low level of urbanization relatively to the other countries in the world. (6 marks)
- 08). 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. Name most populated cities marked as A-F in the following map. (3 marks)



- II. a) Name 3 densely populated regions and 3 sparsely populated region which can be identified according to population distribution. (3 marks)
- b) Name 4 megalopolis found in the world. (2 marks)
- III. Name 3 criteria's used for differentiating urban settlement in the world and name 2 countries for each criteria's. (6 marks)
- IV. a) State four stages of growth of world urban settlements. (2 marks)
- b) Explain the characteristics in urban settlements. (4 marks)