



Provincial Department of Education - NWP

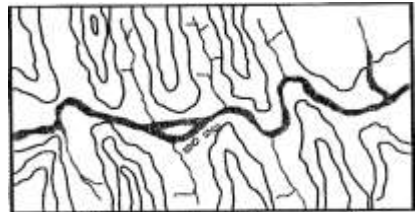
Third Term Test - Grade 12 - 2018

Index No. **Geography I** **Two Hours**

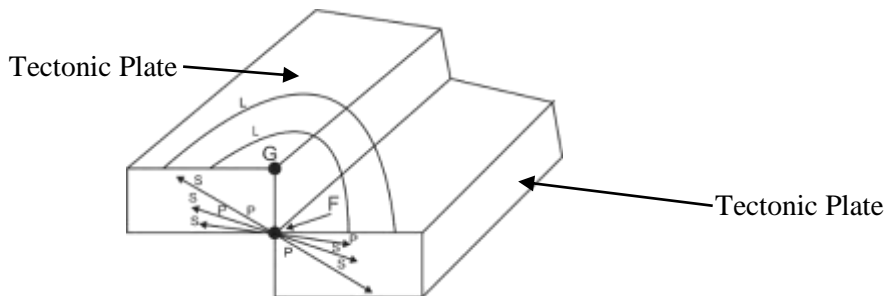
- Answer all the questions.
- Write the correct number of the correct choice in the bracket

Part - I

- Select the answer that contain a main heading mentioned in the legend in topographical map of 1:50000 scale.
 - tea cultivation
 - Shrubs
 - vegetation
 - Mangroves
 - Forest
 (.....)
- When a part of topographical map of 1:50000 scale is contracted by 2 fold, its length and breadth are 3cm x 4 cm respectively. Select the answer that contain its actual length and breadth.
 - 48 km²
 - 24 km²
 - 12 km²
 - 6 km²
 - 56 km²
 (.....)
- The technique used to show sea floor relief in topographical map of 1:50000 Scale is,
 - bathymetrical lines
 - spot height
 - contour line
 - gap
 - oceanic mountain ranges
 (.....)
- Select the answer that contain the headings of following cultural features of topographical map
 dam, embankment, ferry
 - drainage, rail roads, roads
 - drainage, rail roads, land utilization
 - rail roads, roads, drainage
 - roads, irrigation, rail road
 - town limit, drainage, roads
 (.....)
- The answer that contain only main fields to which a great attention must be paid in topographical map of 1:50000 is,
 - relief features, drainage features, cultural features, coastal features
 - relief features, drainage features, coastal features, natural vegetation
 - Main roads and minor roads, natural vegetation, drainage features, tank and reservoirs.
 - Crop cultivation, grassland, coastal features, drainage features.
 - relief features, common service facilities, coastal features, natural vegetation.
 (.....)
- Select the answer that contain the drainage pattern shown in following diagram.
 - dendritic drainage pattern
 - trellis drainage pattern
 - annular drainage pattern
 - radial drainage pattern
 - intermittent drainage pattern
 (.....)



7. In the process of remote sensing, reflected or emitted energy by an object is captured and measured. What is the main function done by RS for geography?
- identifying the direction required for map making
 - relief maps are created instantly
 - Making climatic maps
 - Provision of data and information required for map making
 - Identifying the location of a certain objects on the earth. (.....)
8. Select the answer that contains only non - spatial data in GIS
- administrative unit and main road
 - .distribution of rivers and location of town.
 - size of the number and length of roads
 - reservoirs and cropland.
 - houses and built up areas. (.....)
9. What is the main duty done by additional 7 satellites which have pixed for the process of GPS.
- Identifying the exact location of a certain object
 - manipulating and receiving information about main satellites.
 - Checking the path of the orbit of satellites.
 - Substituting to an inactive satellite
 - Finding out exact coordinate in any location. (.....)
10. In which of the following fields, the RS technology are used abundantly.
- in the field of surveying
 - in fishing
 - in transportation
 - in natural disasters
 - in military operations (.....)
11. Select the answer that contain two factors which influence the occurrence of volcanoes.
- gravity and time
 - pores (fissures) and pressure
 - stratification and geysers
 - flow of lava and pressure
 - hot spring and temperature (.....)
12. Where is the 'Qattara" a depression formed by the deflation of wind located?
- Egypt
 - California
 - Turkistan
 - Sahara
 - Arab (.....)
13. Following diagram shows how an earthquake takes place. The letters F and G represent,



- Focus and epicenter
 - Crust and mantle
 - Asthenosphere and upper mantle
 - Focus and asthenosphere
 - Lower mantle and upper mantle (.....)
14. The soil structure refers to
- the nature of sand and gravels in soil
 - the nature of soil particles which are formed by gathering of various sizes of soil specks
 - size of various specks of Soil
 - the robustness that exist between sand and clay in soil
 - sizes of sand particles (.....)

23. According to the United Nation population report in 2015, which of the following group of countries had higher percentage of natural population growth.
- i. Qatar, South Africa, Lebanon, Jordan
 - ii. Lebanon, Zimbabwe, Jordan, Qatar
 - iii. China, India, Lebanon, Zimbabwe
 - iv. China, Austria, Jordan, Ukraine
 - v. India, Lebanon, South Africa, Ukraine
- (.....)
24. What is an advantage to a country of origin in migration
- i. Create problems in family units
 - ii. Labour drain
 - iii. brain drain
 - iv. a solution for high population
 - v. increasing crime and anti - social activities
- (.....)
25. Which is belong to both linear and planned settlement
- i. fishing villege
 - ii. traditional villages in highland
 - iii. Mahaweli village
 - iv. govi janapada
 - v. plantation settlement
- (.....)
26. According to the level of world urbanization in the year 2014, the countries that have less than 25% urban level are,
- i. Sri Lanka, Nepal, Cambodia
 - ii. Nepal, China, Hongkong
 - iii. Nepal, Belgium, Kuwait
 - iv. Qatar, Malawi, Nepal
 - v. Molta, Sri Lanka, Malavi
- (.....)
27. A main problem that have been arisen due to agriculture is land degradation and desertification. The reason is,
- i. distribution of forest cultivation
 - ii. monoculture
 - iii. maintenance of upper mountain area as forest
 - iv. Supplying water with the aim of minimizing salt in soil
 - v. alleviate pest biologically
- (.....)
28. What is the correct statement regarding farming on which a great attention is paid recently
- i. production cost of organic fertilizer is high
 - ii. A support for the production of favorable food
 - iii. organic agriculture is not environmental friendly
 - iv. Soil become salty due to organic agriculture
 - v. There is no demand from consumers for the productions associated with organic fertilizer
- (.....)
29. Select the answer that contain main aspect of green revolution
- i. applying fertilizer
 - ii. tissue culture and use of new breeding methods.
 - iii. use of gene technology and agro mechanization.
 - iv. breeding new plants and use of modern agricultural technique
 - v. use of gene technology and tissue culture.
- (.....)
30. Food security refers to,
- i. Consumption of food without wasting
 - ii. lowering prices of market after storing food
 - iii. the right to consume stored food at any time
 - iv. keeping food stock
 - v. Consuming storage food little by little.
- (.....)



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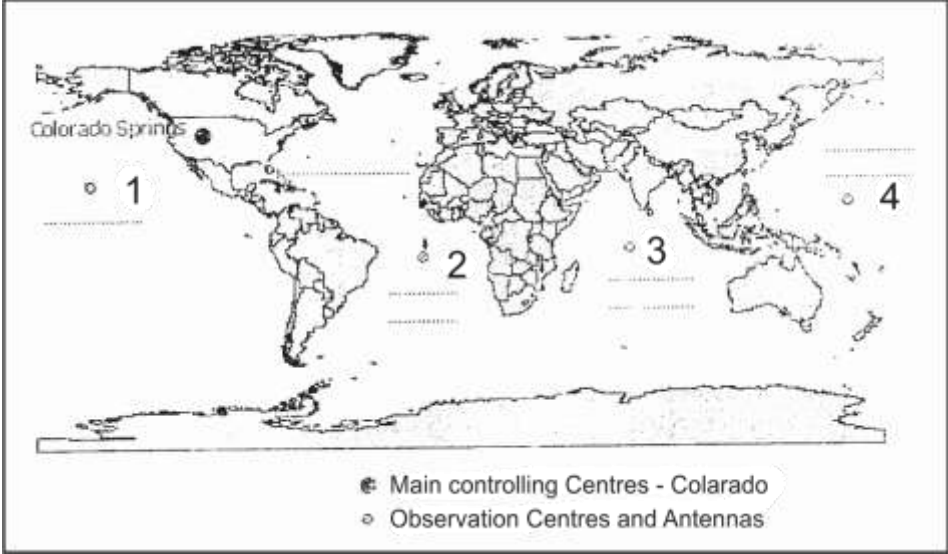
Index No. Geography I

Part - II

• Answer two questions only. Selecting No. 01 and one question from questions 2 and 3

- 01. Using the part of topographic map of 1:50000 scale provided, answer the following questions
 - i. Name in order the features marked by the numbers 1 - 6 in the map (3 marks)
 - ii. Calculate the distance of AB44 main road in km that extent from northern border (1 marks)
 - iii. Name the feature marked by " X " (1 mark)
 - iv. Name 2 service stations seen in the square marked as " L " (2 marks)
 - v. Name two crops which have distributed in square " K " (2 marks)
 - vi. Calculate the area of Ulhitiya oya reservoir. (3 marks)
 - vii. Write to which direction the slope of the main river is? (1 mark)
 - viii. Explain briefly 2 physical factors that have influenced on paddy cultivation in mapped area. (3 marks)
 - ix. Find and write the maximum and minimum height of the mapped area (2 marks)
 - x. Present 2 facts about distribution of settlement? (2 marks)

02).

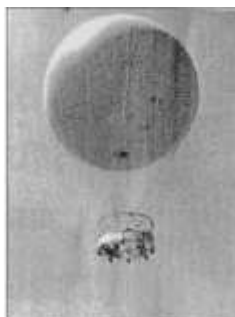


- i. The map above shows the controlling centers which are used in a modern cartographical technique. Name 1 2 3 4 centers in order. (4 marks)
- ii. Identify and define the cartographical technique that provide precise location according to co - ordinates. (4 marks)
- iii. Briefly explain about three basic devices that contain in cartographical technique you mentioned above. (6 marks)
- iv. Above modern cartographical technique is used in field. Explain how that technique is used in following field.
 - 01. in transportation
 - 02. in war and security
 - 03. in concluding land boundaries (6 marks)

03. Three remote sensing platforms are shown below.



A



B



C

- i. Name in order the remote sensing platform which are shown in above diagram (3 marks)
- ii. Explain briefly the process of Remote sensing platform you mentioned above (6 marks)
- iii. Describe briefly 2 differences that can be seen in an aerial photograph and a satellite image (5 marks)
- iv. Explain 3 problems that have to be faced in using Remote sensing technology. (6 marks)

02) Few landforms which are formed by exogenic factors on the earth surface are shown below.

Inselburg	braided river	Nunatak
gorge	crag - and - tail	gavur
till	ventifact	interlocking spurs

- i. Categorize above landforms according to the agent of erosion (4 marks)
- ii. Explain the erosional process of agents you mentioned above (4 marks)
- iii. Selecting three landforms from above list explain their formation process (6 marks)
- iv. Explain with examples, the human activities associated with the landscape created by one of processes which responsible for the formation of 3rd order of landforms. (6 marks)

- 03.
- i. Explain the process of mass movement? (4 marks)
 - ii. Write four symptoms of mass movement. (4 marks)
 - iii. Explain 02 physical and 02 human factors which influence for the occurrence of mass movement. (6marks)
 - iv. Explain giving examples with reference to 03 facts the influence of earth water cycle to change the landscape long term. (6 marks)

- 04.
- i. Name four elements of weather (4 marks)
 - ii. Name 2 ways of distribution of temperature on the earth and explain about one of them briefly (4 marks)
 - iii. Describe briefly 3 factors that control climate (6 marks)
 - iv. Write two adverse effect of climatic changes on physical environment and two effect on human environment and describe about various measures taken by Sri Lanka to protect the atmosphere. (6 marks)

Part - II Human Geography

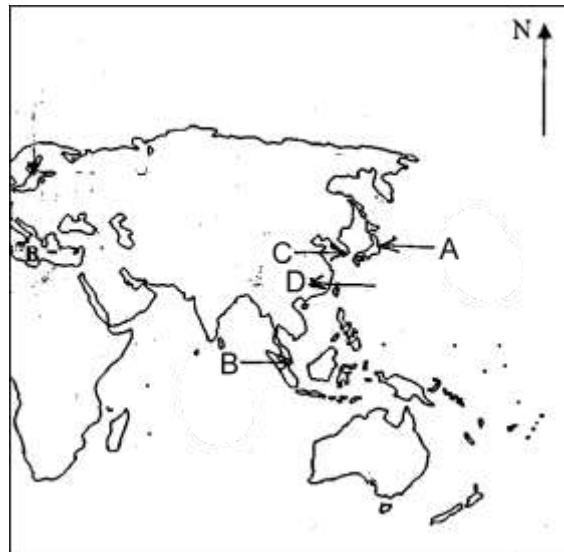
05. Grude Death rate according to the districts of Sri Lanka - 2013

- i. Write two districts that have lowest death rate and two districts that have highest death rate according to the table above (4 marks)
- ii. Explain briefly 3 reasons that influence for increasing death rate (6 marks)
- iii. Name two phenomena that contribute for quantitative changes in population in Sri Lanka and explain with examples how those phenomena influence on dynamism of population (6 marks)
- iv. Explain two political and socio - economic factors that have influenced on internal migration of Sri Lanka. (4 marks)

	District	crude death rate
1	Colombo	7.0
2	Gampaha	6.0
3	Kaluthata	6.6
4	Kandy	7.1
5	Matale	6.0
6	Nuwara Eliya	6.6
7	Galle	7.2
8	Matara	6.2
9	Hambantota	5.5
10	Jaffna	7.2
11	Killinochchi	3.4
12	Mannar	3.8
13	Vavuniya	4.9
14	Mulativu	6.0
15	Batticaloa	4.8
16	Ampara	4.6
17	Trincomalee	4.1
18	Kurunegala	6.6
19	Putlam	5.5
20	Anuradhapura	5.4
21	Polonnaruwa	5.3
22	Badulla	6.1
23	Monaragala	4.7
24	Rathnapura	6.2
25	Kegalle	6.9

Source:- Department of population and statistics

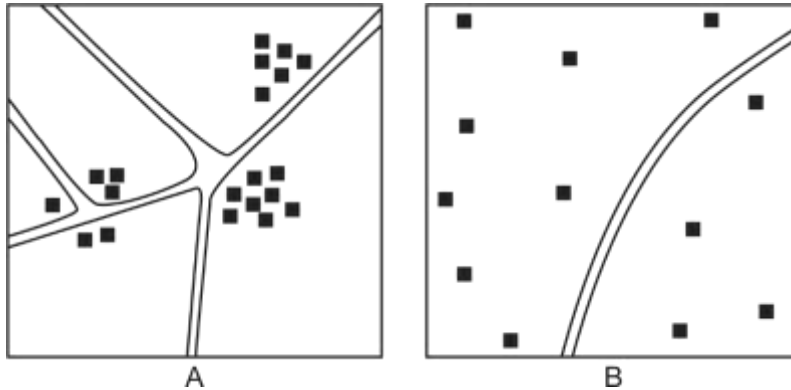
06. Few countries that show highest urbanization related to world urbanization is given in following map



- i. Name the countries marked as A B C D in the map which have highest percentage of urbanization in the world (4 marks)

- ii. Starting from urban area, development is expanded over every fields. Explain three such fields. (6 marks)
- iii. Describe with examples, 3 problems associated with urbanization in developing countries (6 marks)
- iv. Explain briefly 3 steps taken to solve socio - economic problems associated with urbanization in Sri Lanka. (4 marks)

07. Two main settlement patterns seen in Sri Lanka is shown below.



- i. Name settlement types seen in the diagrams marked as A and B (4 marks)
- ii. Explain 3 factors influence the birth of settlement patterns seen in the diagram " A " (6 marks)
- iii. Explain 2 problems associated with settlement seen in the diagram " B " . (4 marks)
- iv. Discusses 03 measures that have taken for the development of areas where settlement patterns seen in the diagram B is found. (6 marks)

08. In order to satisfy the demand for food and other commodities that occurred due to the rapid increase in world population, an expansion in the use of advanced technologies in agricultural activities took place.

- i. Define what is meant by " green revolution " (4 marks)
- ii. Explain with examples 3 prominent sectors in agricultural technology associated with green revolution (6 marks)
- iii. Explain with reference to 2 facts, the Socio - economic effects of green revolution (4 marks)
- iv. At present organic farming method is practiced in Sri Lanka. Explain with reference to 3 facts the suitability of that farming technique (6 marks)