

පැරණි නිර්දේශය/பழைய பாடத்திட்டம்/Old Syllabus

ශ්‍රී ලංකා විභාග දෙපාර්තමේන්තුව ශ්‍රී ලංකා විභාග දෙපාර්තමේන්තුව ශ්‍රී ලංකා විභාග දෙපාර්තමේන්තුව ශ්‍රී ලංකා විභාග දෙපාර්තමේන්තුව ශ්‍රී ලංකා විභාග දෙපාර්තමේන්තුව
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 Department of Examinations, Sri Lanka

OLD

අධ්‍යයන පොදු සහතික පත්‍ර (උසස් පෙළ) විභාගය, 2020
 கல்விப் பொதுத் தராதரப் பத்திர (உயர் தர)ப் பரீட்சை, 2020
 General Certificate of Education (Adv. Level) Examination, 2020

භූගෝල විද්‍යාව I
 புவியியல் I
 Geography I

22 E I

පැය දෙකයි
 இரண்டு மணித்தியாலம்
 Two hours

Index No. :

Instructions:

- * This paper consists of two parts.
- * Part I consists of 30 multiple choice questions. Answers to Part I should be written on this paper itself.
- * Answer scripts of both Part I and Part II, should be attached together and handed over.

For Examiner's use only.

	Question No.	Marks		Signature	Code Number
Part I	1 - 30		1 st Examiner		
Part II	1		2 nd Examiner		
	2		Additional Chief Examiner		
	3		Chief Examiner		
Total			EMF		

Part I

- Select the option that contains the correct answer for each question and write its number on the dotted line.
- Who has defined 'Geography' as the "study of areal differentiation of the Earth"?
 (1) Richard Hartshorne (2) Alexander von Humboldt
 (3) Carl Ritter (4) Immanuel Kant
 (5) David Harvey (.....)
 - Which of the following shows the correct symbol that indicates the Grama Niladari Division Boundary on the 1:50,000 topographic map of Sri Lanka (in red colour)?
 (1) +--+--+--+--+ (2) ++++--+--+ (3) (4) - - - - - (5) (.....)
 - The graphical method which can be used to depict the continuous change in a data array over a specific period of time is,
 (1) Simple bar graph. (2) Multiple bar graph.
 (3) Pie chart. (4) Line graph.
 (5) Flow chart. (.....)
 - On a map drawn at the scale of 1:50,000 the actual length of 1cm is,
 (1) 10 metres. (2) 50 metres. (3) 100 metres.
 (4) 500 metres. (5) 1,000 metres. (.....)

[see page two]

5. Which is the correct option that shows the three spatial data groups used in Geographic Information Systems?
- (1) Administrative units, roads, cultivated land extent
 - (2) Administrative units, roads, cities
 - (3) Roads, reservoirs, population in a region
 - (4) Cultivated land extent, population density, roads
 - (5) Administrative units, cities, cultivated land extent (.....)
6. The measure that could be used to identify the dispersion of a data distribution is
- (1) Mean.
 - (2) Standard deviation.
 - (3) Mode.
 - (4) Frequency.
 - (5) Percentile. (.....)
7. The data collected from a field survey are,
- (1) Continuous data.
 - (2) Discrete data.
 - (3) Grouped data.
 - (4) Primary data.
 - (5) Secondary data. (.....)
8. Which of the following is an open source software used in Geographic Information Systems?
- (1) QGIS.
 - (2) MapInfo
 - (3) ArcView GIS.
 - (4) ArcGIS
 - (5) Global Mapper. (.....)
9. Data array means a set of data,
- (1) collected with a specific objective.
 - (2) presented in its original form.
 - (3) presented in columns or rows in an order.
 - (4) in which fluctuations can be easily observed.
 - (5) which cannot be subjected to statistical analysis. (.....)
10. What is the new scale when a 1:50,000 scale map is reduced by four times?
- (1) 1:12,500
 - (2) 1:25,000
 - (3) 1:200,000
 - (4) 1:400,000
 - (5) 1:500,000 (.....)
11. The amount of water vapour in a given unit of air as a percentage of the maximum possible water vapour that could be held by that unit is known as,
- (1) Absolute humidity.
 - (2) Relative humidity.
 - (3) Specific humidity.
 - (4) Adiabatic cooling.
 - (5) Adiabatic heating. (.....)
12. The option that correctly indicates two human activities contributing to climate change is,
- (1) Clearing of forests and combustion of fossil fuels.
 - (2) Bacterial activity and use of pesticides.
 - (3) Increase in the number of factories and sun spots.
 - (4) Emission of CFC gases and El Nino activity.
 - (5) Use of refrigerators and La Nina activity. (.....)
13. The answer that correctly shows three landforms created by erosion in arid areas is,
- (1) Inselberg, Ventifact, Yardang.
 - (2) Ventifact, Playa lake, Barchan.
 - (3) Yardang, Inselberg, Barchan.
 - (4) Zeugen, Inselberg, Barchan.
 - (5) Playa lake, Yardang, Longitudinal sand dunes. (.....)
14. A landform created by the sea wave action is,
- (1) Wadi.
 - (2) Gorge.
 - (3) Stack.
 - (4) Yardang.
 - (5) Hamada. (.....)

15. A main geological incident which took place involving Sri Lanka during the Miocene period was,
 (1) deposition between Sri Lanka and India.
 (2) separation of Sri Lanka from India.
 (3) formation of Tabbowa deposits.
 (4) disintegration of the Gondwanaland.
 (5) formation of Ratnapura deposits. (.....)
16. The answer that correctly shows the location of Dry Patana grasslands in Sri Lanka is,
 (1) Welimada. (2) Horton plains.
 (3) Agarapatana. (4) Gal Oya.
 (5) Maduru Oya. (.....)
17. In Sri Lanka, the climatic zone that spreads over the largest extent of land is,
 (1) low country wet zone. (2) low country dry zone.
 (3) hill country wet zone. (4) hill country dry zone.
 (5) semi arid zone. (.....)
18. An impact of the increase in global temperature is,
 (1) decrease in the area under wetlands.
 (2) desalinization of ground water.
 (3) rise in the sea level.
 (4) decrease in temperature of the oceans' surface.
 (5) increase in the composition of carbon dioxide in the atmosphere. (.....)
19. A landform created by compressional movements is,
 (1) rift valley. (2) block fault.
 (3) normal fault. (4) step fault.
 (5) isoclinal fold. (.....)
20. Which one is a National Park in Sri Lanka?
 (1) Sinharaja (2) Wilpattu (3) Bundala (4) Victoria (5) Ritigala (.....)
21. Two member states of the European Union are,
 (1) Switzerland and Georgia. (2) Norway and Sweden.
 (3) Finland and Belgium. (4) Ukraine and Luxembourg.
 (5) Portugal and Iceland. (.....)
22. Which of the following options includes two major dairy producing countries in the world?
 (1) United States of America and Spain
 (2) New Zealand and Portugal
 (3) Italy and New Zealand
 (4) Russia and Australia
 (5) Denmark and Netherlands (.....)
23. A recent trend associated with the tribal and indigenous communities of the world is,
 (1) inclusion of outsiders into their community.
 (2) no resistance to environmental conservation rules and laws.
 (3) abandoning the existing territory and moving into the jungle further.
 (4) abandoning the interrelationships with other tribal groups.
 (5) the gradual disappearance of their cultural identity with globalization. (.....)
24. A main feature of a constrictive population pyramid is,
 (1) majority of the population is below the age of 15 years.
 (2) bottom of the pyramid is expanding.
 (3) birth rate and death rate show low values.
 (4) very low percentage of the population is over 65 years.
 (5) all age groups of the population are similar in size. (.....)

25. To which major functional type the city of Kandy belongs?
(1) Administrative (2) Residential
(3) Commercial (4) Industrial
(5) Cultural (.....)
26. Of the following crops in Sri Lanka which one is the lowest in terms of area under cultivation?
(1) Paddy (2) Coconut
(3) Tea (4) Rubber
(5) Mixed crops (.....)
27. What is the most prevalent manufacturing industry in the 'Silicon Valley' of the United States of America?
(1) High-tech industry
(2) Motor vehicle industry
(3) Ship building industry
(4) Chemical industry
(5) Food canning industry (.....)
28. Migration from Sri Lanka to Middle East countries is,
(1) a good example for brain drain.
(2) an illegal migration.
(3) limited to a particular ethnic group.
(4) a permanent migration.
(5) a source of earning foreign exchange. (.....)
29. The regional organization with the highest number of member countries in the world is
(1) Association of South-East Asian Nations. (ASEAN)
(2) European Union. (EU)
(3) South Asian Association for Regional Cooperation. (SAARC)
(4) United Nations Economic Commission for Africa. (UNECA)
(5) North American Free Trade Agreement. (NAFTA) (.....)
30. 'e-Sri Lanka' is
(1) a facilitating system to improve money transactions in banking services.
(2) a method implemented to develop transactions among farmers.
(3) a system employed to improve software packages.
(4) a web site containing encyclopedias and dictionaries.
(5) a policy framework formulated to implement information technology. (.....)

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 Department of Examinations, Sri Lanka Department of Examinations, Sri Lanka Department of Examinations, Sri Lanka Department of Examinations, Sri Lanka Department of Examinations, Sri Lanka

අධ්‍යයන පොදු සහතික පත්‍ර (උසස් පෙළ) විභාගය, 2020
 கல்விப் பொதுத் தராதரப் பத்திர (உயர் தர)ப் பரீட்சை, 2020
 General Certificate of Education (Adv. Level) Examination, 2020

භූගෝල විද්‍යාව I
 புவிப்பியல் I
 Geography I

22 E I

Part II

Instructions:

- * Answer **two** questions only, selecting question 1 and one question from questions 2 and 3.
- * A part of 1 : 50,000 topographic map of Rathnapura is provided to you. A graph paper is provided, if needed.

1. You are provided with a part of the 1:50,000 topographic map of Rathnapura, published by the Survey Department of Sri Lanka. The contours are shown at 20 metre interval. Answer the following questions based on the map.

N.B.

- * You should clearly state the relevant **question number** and number of its **subsection** in the answer script.
- * **Answers should not be written on the map.**
- * Do **not** attach the provided map to your answer script.

- (i) Name a Divisional Secretariat Division shown in the map. (01 marks)
 - (ii) Name the **two** drainage features shown within squares A and B. (02 marks)
 - (iii) Name the **two** types of valleys marked by lines C - D and E - F. (02 marks)
 - (iv) Name the **four** landform features marked by lines G - H, J - K, L - M and N - O respectively. (02 marks)
 - (v) Name **six** agricultural land use types found within the quadrilateral P. (03 marks)
 - (vi) Name the salient drainage pattern found in the map area and explain with **two** facts the relationship with the drainage pattern and the relief. (04 marks)
 - (vii) Comparatively describe the agriculture, settlements and road network in the Eastern and Western parts of the map area. (06 marks)
2. (i) What is meant by a 'map'? (02 marks)
- (ii) State **six** factors that have contributed to make widespread use of modern cartography. (06 marks)
 - (iii) Describe in brief **two** uses of each of the **three** technological methods of modern cartography. (06 marks)
 - (iv) Select one of the technological methods explained in No. (iii) above and explain **three** limitations emerged in its use. (06 marks)

3. Table 1 shows the districts in Sri Lanka where over 2,000 Dengue patients were reported in 2019.

Table 1: Number of Dengue patients in selected Districts of Sri Lanka - 2019

District	Number of Dengue patients
Hambantota	2 049
Puttalam	2 257
Matale	2 445
Kegalle	2 716
Batticaloa	2 848
Trincomalee	2 969
Kurunegala	3 218
Matara	4 054
Ratnapura	4 086
Galle	7 378
Jaffna	8 261
Kalutara	8 359
Kandy	8 940
Gampaha	16 573
Colombo	20 718

Source : Epidemiology Unit, Ministry of Health, Sri Lanka, 2020

- (i) Draw a simple bar graph to present data provided in **Table 1**. (Ask for a graph paper for this drawing). (06 marks)
- (ii) Based on the graph you have drawn, describe **three** salient features of the distribution of Dengue patients in selected districts. (06 marks)
- (iii) State **two** advantages and **two** disadvantages in representing data by a simple bar graph. (04 marks)
- (iv) Explain steps in drawing of another suitable graphical method that can be used to present the data provided in **Table 1**. (04 marks)

* * *



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