	D	Λ		 2	lΡ		D
u	N	н	ГІ	- 14	12	ᆮ	п



GEOGRAAFIA RIIGIEKSAM

3. JUUNI 2013

REMINDER

- 1. Make sure that your exam paper is a complete set of 26 tasks on 16 pages. If the paper is defective, turn to the examination board for replacement.
- 2. Read the instructions carefully, think about your answer before you write it down. The written answer should be short and unambiguous. Use black or blue pen or ink to write your examination paper. Answers in pencils are not accepted.
- 3. To change the answer already written, cross the wrong one out and write the correct answer next to or above it. You are not allowed to overwrite an answer or use the correction pen.
- 4. There are extra pages for draft at the end of the examination paper.
- 5. Boxes next to questions are for the grader.

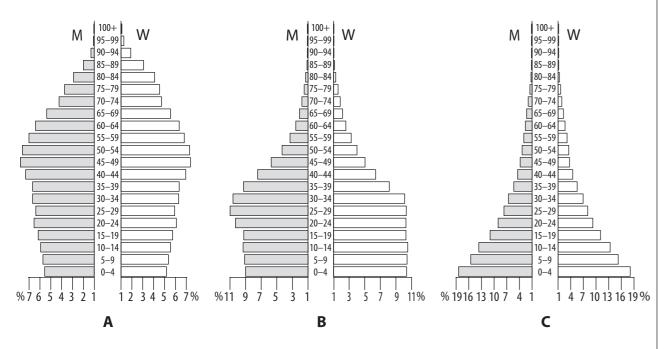
SA INNOVE

- 6. If national examination grading board discovers the use of outside help or cheating by the examinee, the exam is automatically considered as a failure and 0 point score is written on the national examination report card.
- 7. Take your time, don't hurry, you have 3 hours (180 minutes) to write the paper.

Good luck! Examination board

um	Birth rate/mortality rate	De	emograph		ons
6%	tality	1. 	2.	3.	
6%	m 30-				
8%	-02 rate/		\		
)‰	ir 10-		•	, <u>-</u>	S
‰					

Population indicators Saudi-Mali Belgiu in 2011 **Arabia** 47% Age group 0–14 years 29% 16 Age group 15–65 years 50% 68% 66 Age group over 65 years 3% 3% 18 Birth rate 45‰ 19‰ 109 Mortality rate 14%3‰ 119



Name countries that each of the population pyramids depict. Write letters ${\bf A}, {\bf B}$ or ${\bf C}$ in corresponding box.

Saudi-Arabia _______ 1

Which demographic stage of transition is Mali in? Mark the right answer with \boldsymbol{X} .

What was natural increase in Saudi Arabia in 2011? _____ ‰ 5

In what way was the total number of population in Belgium influenced by natural increase in 2011?

1 p 6

1 p

1 p

Täidab hindaja

4.

RIIGIEKSAM GEOGRAAFIA 2013

SA INNOVE

DRAFT PAPER

25. Haiti is a North American insular country in the Caribbean Sea. Haiti is the poorest country in the Western Hemisphere. Its history is full of political violence and dictatorships. Most of the country is unproductive. The country is overpopulated: 10 million people live on 27 748 square kilometres.	Täidab hindaja
On Jan 12, 2010 at 16.53 local time an earthquake of magnitude 7 took place in Haiti. Its epicentre was about 25 km from Port-au-Prince, the capital; 13 km underground. Capital of Haiti was turned into ruins and 200 000 people perished.	
A m e Haiti Port-Au-Prince Dominican Republic C a r i b b e a n	
border between → direction of plate plates • movement epicentre	
What is an earthquake? Explain.	1 p 76
Why can so strong earthquakes take place in Haiti? Explain in several sentences	
	1 p 77
What caused so huge human loss in Port-au-Prince?	
1)	
2)	
3)	2 p ₇₈
4)	
Give 2 examples to explain what possible changes could earthquakes create in natural environment.	
1)	
2)	2 p
26. Explain plate movement theory using the following facts.	
Coal is found in Antarctica.	
	1 p
There are active volcanoes on the Hawaiian Islands, situated in the middle of the Pacific Plate.	80]
	1 p 81

2. What is demographic explosion? Explain	Täidab hindaja
Give reasons for demographic explosion?	1 p 7
What possible problems could demographic explosion cause in a country? Bring an example!	. [8]
	1 p9
3. Why do the cities in less developed countries grow faster than in advanced countries? 1)	
2)	2p 10
4. Figures depict occupation of population among working age population in Germany, Saudi Arabia, Turkey and Bangladesh. Figure A 12% ///25% // 63% Figure B 63% /11% 26% // industry Figure C 36% // 22% 42% service Figure D 68% What characterises occupation structure in Germany? Mark the correct answer with X in	
Corresponding box. A	1 p
Which figure characterises occupation structure in Bangladesh? Mark the correct answer with X in corresponding box. A	1 p
How does the occupation characterises development level of the country? Explain!	
	1 p 13

RIIGIEKSAM GEOGRAAFIA 2013

5. How many people live on the Earth now? Mark he most exact figuure with X .			Täidab hindaja			23. Compare weathering in alpine regi	ons and in deserts.				
	A. 6,1 th. mill	ion				Alp	ine regions		Des	ert	
	B. 7,1 th. mill	ion									
	C. 14 8,1 th. mill		1 p								
	D. 74 9,1 th. mill					Explain the influence					
	E. 10,1 th. mi					of dominant weathering factor.					
	14 10,1 (11. 1111					weathering factor.					
6. Which abbreviation answer with X .	depicts Organization of Petroleum	Exporting Countries? Mark the correct									
	A. WTO					What kind of					
	B. ASEAN					weathering dominates?					
	C. NAFTA		1 p								
	D. OPEC										
	E. 15 APEC					24. Sahel is a region on the borde	rline between the	Sahara Des	ert and	0	√ ~
						savannas. The desert moves ~a con	uple of kms south e	very year. M	ore and		
7. Compare foreign trace	des of Japan and Bangladesh in 20				2013	more productive agricultural land t Sudan and Ethiopia.	turns into deserts in	Mali, Nigeria	, Chad,		
	Japan	Bangladesh			FIA 2	essuar and Essay to				-	371
Population	128 million	153 million		Щ	AAF	Factors of desertificati	on			7	
Total value of exports	801 thousand million USD	24 thousand million USD		VOV	OGR						
Total value of imports	795 thousand million USD	32 thousand million USD		SA INNOVE	GE			D 1	. 0.1	1 .	(1)
Main export	Vehicles, machines, equipment, electrotechnical and electronic	Jute fibre* and products, clothes,		₹S	SAM			Populatio	n in Sah		(mln)
commodities	goods, chemicals.	leather, fish, tea, tobacco.			RIIGIEKSAM GEOGRAA	Destruction of plant-life		Country		Year	
Main imports	Fuels, metal ores, machines,	Oil products, grains, means of trans-			RII	Increasing soil salinization			1950	1995	2005
	chemicals, food and textiles. natural fibre in the world after cotton.	portation, equipment, steel, chemicals.				mercusing son summation	•	Ethiopia	20	52	67
•	, , , , , , , , , , , , , , , , , , ,					Exhaustion and d	estruction of soils	Sudan	9	30	35
			1 p					Chad	3	6	9
	do										
_						Bring four examples how human activit	ies have favoured de	esertification	in Sahel	region.	
			1 p 17			1)					
						,					
			1 p 18			2)					
What problems could suc	ch a balance and structure of foreign	n trade cause for economy of Bangladesh?				2)					
1)						3)					
2)			2 p 19			4)					

4

Täidab hindaja

21. Prove the following statements	S.	Täidab hindaja				Täidab hindaja
Ocean water on latitudes of tropics	is saltier than on the Equator because	1 p 66			Area: 699,4 km ² Number of population: 4,6 million Density of population: 6653 in/km ² GDP per capita: 53143 USD (2009. a)	aaja
Water seeps through gravel soils mo	ore quickly than through clay soils because	1 p 67			• Essential roles in economy of Singapore have marine transport, air transport, transit trade, casino business, tourism and these branches of industry that use imported raw materials, first of all production of electronics and pharmaceuticals	
In karst regions, e.g. on <i>Pandivere</i> U	Upland in Estonia can ground waters get easily polluted because	1 p 68			 Singapore exports 2/3 of its industrial production. 37% of total production of industry is covered by electronics in that country. Port of Singapore is among the biggest in the world. 130 000 commercial ships pass the port every year. Its ship registry lists 3000 commercial vessels. 	
Leetmuld Organic layer	ch eluvial horizon can be formed in soils and how. Conditions:				 Singapore Chang Aiport is connected to 200 cities in 60 different countries. 5100 regular flights are serviced weekly. About 9 million tourists visit Singapore every year. About one million of them are cruise tourists. Singapore is the fourth biggest financial centre in the world. It has an international stock market as well as commodities and currency market. Many international financial and insurance companies are located in Singapore. 800 000 foreign workers and their family members live in Singapore. 	
Eluvial layer	How:	1 p 69	щ	AAFIA 2013	Singapore is among the most globalised countries in the world. Using the given info explain what is globalisation. Give 2 examples.	
Bedrock		1 p	SA INNOVE	IGIEKSAM GEOGR		? p
Which natural zone are podsols typ	pical of? Mark the correct answer with X .			R	What has favoured development of Singapore into one of the biggest transit centres of the world?	p 21
	A. Desert B. 71 Temperate grasslands	1			Explain the role of port in Singapore's economy. 1)	
	C. 71 Temperate coniferous forests D. 71 Tundra E. 71 Mediterranean scrub regions	1 p			2)	3 p 22
In which place marked on the map	are podsols typical of? Mark the correct answer with X .					p 23
B C D	A. 72 B. 72 C. 72	1 p			9. What is high-tech industry?	1 p 24
12	D. 72 E. 72				Give 2 examples of high-tech products.	7 p 25 5

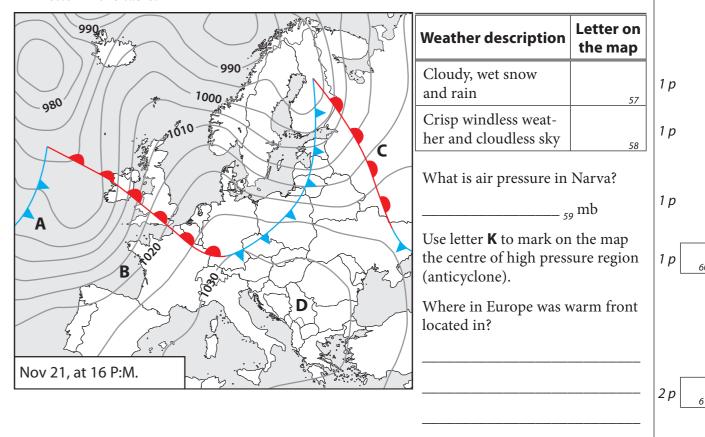
10. Use info from the map of Lake Pikkjärve area to answer the following questions. Täidab hindaja Nava **b**uildings forest 200 600 800 m swamp fields Which directions has the photo of Lake Pikkjärve been taken? Mark the most correct answer with a X. 1 p



Arne Ader http://www.loodusemees.ee/index.html

A.	26	north
В.	26	northeast
C.	26	east
D.	26	southeast
E.	26	south
F.	26	southwest
G.	26	west
Н.	26	northwest

18. Places A, B, C and D are marked on weather map of Europe. Weather is described for two of these places. Decide which two have weather like the given description and write the correct letter in the table.



19. What is warm current? Explain.

RIIGIEKSAM GEOGRAAFIA 2013

SA INNOVE

Explain the role of warm currents in warmth exchange in different regions of the Earth.	
	-

20. Explain thoroughly how such landforms like in the photo have been formed on the coast.



Why do some areas on the coast erode more easily than the others?

-		
	1 p	6.0

hindaja

15. Add the number on the map to a corresponding country.	Täidab hindaja	What is the distance from <i>Pärtli</i> Farm to <i>Tartu-Jõgeva</i> Highway along the road? Mark the most correct answer with a X .	Täidab hindaja
The Netherlands	0,5 p	A. A. A. B. 27 0,5 km 0,8 km C. 27 1,2 km D. 27 2,2 km How high above the sea level does the <i>Johanson</i> Farm lie? What is the relative altitude from Lake <i>Pikkjärve</i> to <i>Koiduvälja</i> Farm? Using the map and photo characterise landscape in Lake <i>Pikkjärve</i> area. Pay attention to the following aspects: relief, landforms, their shape and direction; connection between water bodies and flora with landforms.	1 p
 A circumnavigation voyage is marked on the map. Which winds dominate in place marked with 1? Mark the most correct answer with an X. A. State lies B. State lies C. State lies D. State lies NE Trades Westerlies NE Trades Which winds dominate in place marked with 2 Mark the most correct answer with an X. 	d L SA INNOVE SA INNOVE	Oil from their fruit is used to produce fuel for motor vehichles. Forests from extensive areas are burnt down to get plantations big enough for agricultural machinery to work with. About 75% of forests in Indonesia are destroyed or damaged. From all known plants, animals and birds of the world 10-15% live in Indonesia. Indonesia ranks 3rd in the world for emission of CO ₂ after China and USA. 20% of emission	
A Easterlies B Westerlies C Trade winds D Monsoons	1 p	of greenhouse gases in Indonesia is the result of destruction of forests. What kind of forests grow in Indonesia? Why has the share of Indonesia in increase of CO ₂ in atmosphere increased together with diminishing forest area in this country? 1)	1 p
 When is the Sun at its zenith on the Equator? Mark the most correct answer with an X. A.	1 p		2 p 3 p

12. Compare possible environmental problems caused by production of electricity in China and Iceland. Prove occurrences of these problems. **ICELAND CHINA** Geothermal energy - Hydro energy – Thermal energy 91% Bring reasons for great role of thermal power plants in electricity production in China. Explain the connection between the use of geothermal energy and geological construction of Iceland. border zone of plates or. rift area ▲ volcano **13.** Give two arguments pro and two contra the statement that it would be rational to increase the use of wind energy in Estonia.

14. Use information given about Austria and Macedonia to answer the following questions.

	Austria	Macedonia
Share of rural population	32%	40%
Share of forests in total land area	47%	39%
Share of cultivated land in total land area	17%	18%
Occupation in agriculture	3%	20%
Share of agriculture in GDP	1,5%	12%
GDP per capita	41700 USD	10400 USD
Total value of GDP	351th mill USD	21th mill USD
Yields of wheat	50 ts/ha	30 ts/ha
Milk production per cow	6101 kg	2788 kg

Altitude

RIIGIEKSAM GEOGRAAFIA

> 1000 m 500–1000 m < 500 m	
Land use forest pasture arable land unused lands orests are comparatively well preserved in Austria and Macedonia. What natural factor has ontributed to this? xplain distribution of pastures and arable land in Austria and Macedonia. astures:	1 p 39
arable land:	1 p 40
Why is wheat productivity and production of milk per cow bigger in Austria than in Macedonia?	71
Compare importance of agriculture in economies of Austria and Macedonia.	1 p 42

Täidab

hindaja