AGA KHAN UNIVERSITY EXAMINATION BOARD

SECONDARY SCHOOL CERTIFICATE

CLASS IX EXAMINATION

MAY 2015

Environmental Studies Paper II

Time: 2 hours 20 minutes Marks: 45

INSTRUCTIONS

Please read the following instructions carefully.

1. Check your name and school information. Sign if it is accurate.

I agree that this is my name and school. Candidate's signature

- 2. RUBRIC. There are SEVEN questions. Answer ALL questions. Questions 5, 6 & 7 each offer TWO choices. Attempt any ONE choice from each.
- 3. When answering the questions:

Read each question carefully.

Use a black pencil for diagrams. DO NOT use coloured pencils.

DO NOT use staples, paper clips, glue, correcting fluid or ink erasers.

Complete your answer in the allocated space only. DO NOT write outside the answer box.

4. The marks for the questions are shown in brackets ().

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Q.1.	(Total 7 Marks)
a.	A number of international agencies and organizations are working for the conservation of biodiversity and protection of our environment. Acronyms of THREE of these organizations are given below. Write their full forms. (3 Marks)
	i. UNESCO
	ii. SDC
	iii. WHO
b.	The atmosphere is a layer of gases surrounding the planet Earth which is divided into five layers. Troposphere and stratosphere are two of these layers. Describe TWO characteristics of each of these layers. (4 Marks)
	Troposphere:
i	
ii	
	Stratosphere:
i	
 ii	

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Q.2	2.						(Total 8 Marks)
a.	Construct a components		le to show the o	circulation	of carbon bet	ween biotic	and abiotic (4 Marks)
b.			to construct a f			ntleast THR	EE food (4 Marks)
	bats be	snakes	maize plant	eagles frogs	squirrels berries	humans hawks	rabbits grasshopper
			ASE TURN O				

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Q.3.	(Total 8 Marks)
a.	As per the Population Census Organization at Islamabad (1998), in the past few years, there has been a drastic increase in human population in Pakistan. Give FOUR possible reasons for this rise in population. (4 Marks)
b.	Write any FOUR effects that a rapid increase in population can have on the economic growth of a developing country. (4 Marks)

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Q.4. (Total 7 Mark	ks)			
 Smoking is not only harmful for smokers but also for the non-smokers who are in close proximity to the smoker. Mention any THREE effects to show passive smoking is injurious to health. 	ks)			
b. Noise, whether of a community or produced by an occupation, has become a serious health hazard in recent years. Suggest any FOUR ways to control noise pollution. (4 Mark	ks)			
PLEASE TURN OVER THE PAGE				

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Q.5.								(Total 5 Marks)
				EITHE	R			
a.	What TWO	constitutes the en ways in which it	vironment of an is interlinked wi	organisn th enviro	n? For nmenta	each of the fol	llowing disci	plines, state
	i.	Chemistry			ii.	Ecology		
	••	Chemistry		OR	11.	201057		
b.	tempe	human intervention frature are graduate on the environm	lly becoming evi	is becom				

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Q.6.						
	EITHER					
a.	Explain how human activities have disturbed the nitrogen cycle. Also state any THREE consequences of this disturbance.					
	OR					
b.	What is an ecosystem? For each of the following, give TWO reasons why it is important for human beings.					
	i. Sunlight ii. Water					
	PLEASE TURN OVER THE PAGE					

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Q.7.	(Total 5 Marks)				
	EITHER				
a.	Describe the FIVE stages by which sewage is processed in a water treatment plant.				
	OR				
b.	We are surrounded by different appliances and electronic devices that are continuously emitting harmful radiations. Suggest any FIVE precautionary measures one should take to avoid unnecessary exposure to cell phone radiations.				
	END OF PAPER				