

**AGA KHAN UNIVERSITY EXAMINATION BOARD**

**SECONDARY SCHOOL CERTIFICATE**

**CLASS IX**

**Environmental Studies Paper II**

**Time: 2 hours 15 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**

**RUBRIC**

2. There are ELEVEN questions. Answer ALL questions. Questions 9, 10 & 11 each offer TWO choices. Attempt any ONE choice from each.
3. When answering the questions:  
  
Read each question carefully.  
Use a black pointer to write your answers. DO NOT write your answers in pencil.  
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 ( ).

Q.1. (Total 4 Marks)

Aliya has opted to study Environmental Studies in Grade IX.

State any FOUR concepts that she will learn by the end of this course.

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Q.2. (Total 4 Marks)

Describe any FOUR benefits of hydrosphere for living organisms and the environment.

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Q.3.

(Total 4 Marks)

Population projections are estimates of total size or composition of populations in the future.

a. State the basis on which demographers develop population projections.

(1 Mark)

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b. Identify any THREE uses of these projections in policy making and city planning by government policy makers and city planners.

(3 Marks)

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Q.4.

(Total 4 Marks)

Widespread formal education is shaping population dynamics globally.

Justify the given statement by mentioning any FOUR positive effects of formal education on population.

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Q.5. (Total 4 Marks)

Locally as well as globally, human activities have disrupted the natural cycling of carbon, nitrogen and many other components of the ecosystem.

Mention any FOUR consequences of the disruption mentioned in the given statement.

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Q.6. (Total 3 Marks)

Mention any THREE hazardous effects caused due to poor management of landfills on the environment.

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Q.7.

(Total 3 Marks)

Suggest any THREE ways to reduce noise pollution.

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Q.8.

(Total 4 Marks)

Describe any FOUR effects that impact human health due to the exposure of high levels of radiation.

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Q.9.

(Total 5 Marks)

**EITHER**

- Understanding Environmental Studies requires an interdisciplinary approach such as the correlation of the subject with Chemistry, Ecology and Sociology.

Identify FIVE interdisciplinary concepts (at least ONE with each of the mentioned subjects) in Environmental Studies to support the given statement.

**OR**

- b. Describe any FIVE negative consequences of natural disasters on the ecosystem of a forest.

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Q.10.

(Total 5 Marks)

**EITHER**

a.

- i. Name and define any TWO symbiotic relationships. (3 Marks)
- ii. Describe ONE example of each symbiotic relationship. (2 Marks)

**OR**

- b. In an ecosystem, cycling of water takes place in two phases – entry of water to atmosphere and entry of water to land.

Describe each of these phases. (5 Marks)

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Q.11.

(Total 5 Marks)

**EITHER**

a.

- i. What is land pollution? (1 Mark)
- ii. Describe any FOUR human activities that cause land pollution. (4 Marks)

**OR**

b. Noise pollution affects both health and behaviour of human beings.

Give any FIVE reasons to justify this statement. (5 Marks)

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END OF PAPER



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